

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

D_RC

C Number: C20314
Lock Date: Not Entered.
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.3.0
PWG Approval Date: NONE

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 Lab: NCTR

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 555

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord, Cervical
* Spinal Cord, Lumbar Tongue	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Mild
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Schwannoma Malignant	
* Liver		Nephropathy	Mild
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-3]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Minimal
	[Hyperplasia TGLs = 1-10+10A]		
	[Infiltration Cellular TGLs = 1-10+10A]		
* Lymph Node, Mesenteric	Sinus	Dilatation	Mild
* Mammary GI			

* PROTOCOL REQUIRED TISSUE

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Lab: NCTR

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 555

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800011

ORGAN AND ACCOUNTABLE SITE STATUS

Note: RC attempted

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 5-9A]			
* Preputial Gland		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLs = 2-7B]			
* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLs = 7-2A]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 3-9]			
* Testes	Seminif Tub	Degeneration	Minimal
		Mesothelioma Malignant	
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Adenoma	
Tongue			

Note: TGL 6 - NCL

PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Carcinoma

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 Lab: NCTR

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 614

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
		Schwannoma Malignant	
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Parathyroid Gland		Hyperplasia	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		[Hyperplasia TGLs = 6-9A]	
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Fibroma	
		[Fibroma TGLs = 1-2A]	
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

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First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 614

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800012

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
	[Hematopoietic Cell Proliferation TGLs = 4-9]		
* Testes		Bilateral, Interstit Cell	Adenoma
	[Adenoma TGLs = 2,3-7+7B]		
* Thymus		Atrophy	Mild
* Thyroid Gland		Follicular Cel	Adenoma
	[Adenoma TGLs = 5-6]		Multiple

PRIMARY CAUSE OF DEATH - Thyroid Gland Follicular Cel Adenoma

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 Lab: NCTR

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 610

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Vacuolization Cytoplasmic	Mild
* Adrenal Medulla	Pheochromocytoma Benign	
* Bone Marrow	Leukemia Mononuclear	
* Brain, Cerebellum	Leukemia Mononuclear	
* Epididymis	Mesothelioma Malignant	
* Heart	Cardiomyopathy	Mild
	Leukemia Mononuclear	
	Schwannoma Malignant	
* Kidney	Leukemia Mononuclear	
	Nephropathy	Mild
* Liver	Angiectasis	Marked
	Degeneration	Cystic, Marked
	Hepatocellular Adenoma	
	Bile Duct	Marked
	Hyperplasia	
	Leukemia Mononuclear	
	[Angiectasis TGLs = 2-3A]	
	[Degeneration TGLs = 2-3A]	
	[Hepatocellular Adenoma TGLs = 6-3B]	
	[Leukemia Mononuclear TGLs = 3-3]	
* Lung	Leukemia Mononuclear	
* Lymph Node, Mandibular	Leukemia Mononuclear	
* Lymph Node, Mesenteric	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

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 Lab: NCTR

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 610

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800021

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Degeneration	Mild
* Preputial Gland		Inflammation	Suppurative, Moderate
* Skin	Sebaceous GI	Hyperplasia	Moderate
		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 4-2A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Axon	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hyperplasia	Stromal, Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-9]		
* Testes	Seminif Tub	Degeneration	Mild
	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Carcinoma	
	[Carcinoma TGLs = 5-6]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

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 Lab: NCTR

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0.70 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|-----------------------------|---------------------------|-----------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mesenteric | * Nose |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|----------------------|--|----------------------------|----------------|
| * Adrenal Cortex | | Atrophy | Marked |
| | | Thrombosis | Marked |
| | [Atrophy TGLs = 11-9A] | | |
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| | | Pheochromocytoma Malignant | |
| | [Pheochromocytoma Benign TGLs = 11-9A] | | |
| | [Pheochromocytoma Malignant TGLs = 10-9] | | |
| * Brain, Brain Stem | | Compression | Moderate |
| | [Compression TGLs = 15-1A] | | |
| * Epididymis | Epithelium | Degeneration | Marked |
| | | Hypospermia | Marked |
| * Heart | | Cardiomyopathy | Moderate |
| | | Metaplasia | Osseous, Mild |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Marked |
| | [Nephropathy TGLs = 9-8] | | |
| * Liver | | Basophilic Focus | Multiple |
| | | Degeneration | Cystic, Marked |
| | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Marked |
| | [Degeneration TGLs = 18-3A] | | |
| | [Leukemia Mononuclear TGLs = 12-3] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANATOMY PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
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 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0.70 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800022

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular Pigmentation	Histiocyte, Moderate Moderate
Note: TGL 13 also located on slide 4 with the routine Lung section			
	[Infiltration Cellular	TGLs = 13-4A+4]	
	[Pigmentation	TGLs = 13-4A+4]	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Galactoceles Hyperplasia	Marked Marked
	Alveolus		
	[Galactoceles	TGLs = 2,3-2A+2B]	
	[Hyperplasia	TGLs = 2,3-2A+2B]	
* Pancreas	Acinus	Degeneration	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma	TGLs = 14-9A]	
* Preputial Gland	Acinus Duct	Degeneration Ectasia Hyperkeratosis	Moderate Marked Marked
	[Degeneration	TGLs = 1-7]	
	[Ectasia	TGLs = 1-7]	
	[Hyperkeratosis	TGLs = 1-7]	
* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle		Atrophy	Marked
	[Atrophy	TGLs = 7-7A]	
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear	TGLs = 8-9]	
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
	[Hyperplasia	TGLs = 16-12A]	
* Stomach, Glandular		Necrosis	Moderate
	[Necrosis	TGLs = 17-12A]	

* PROTOCOL REQUIRED TISSUE

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ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0.70 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800022

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
	[Adenoma TGLs = 5,6-7+7B] [Degeneration TGLs = 4-7]		
* Thymus		Atrophy	Marked
	Note: Also located on slide 10A		
* Thyroid Gland	Follicular Cel C Cell	Adenoma Hyperplasia	Mild

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 Lab: NCTR

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 534

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Mild
* Epididymis	Epithelium	Degeneration	Mild
		Hypospermia	Moderate
		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
* Pancreas	Acinus	Degeneration	Mild
* Preputial Gland		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLs = 2-7B]		
* Prostate		Inflammation	Chronic Active, Mild
* Skeletal Muscle		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLs = 3-17]		
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLs = 1-2A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Seminif Tub	Degeneration	Moderate

* PROTOCOL REQUIRED TISSUE

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Lab: NCTR

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 534

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800031

ORGAN AND ACCOUNTABLE SITE STATUS

Interstit Cell

Hyperplasia

Mild

Mesothelioma Malignant

Atrophy

Moderate

* Thymus

PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Carcinoma

Animal Note: TGL 3 - Noted grossly as Cavity, abdominal was Skeletal muscle

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 Lab: NCTR

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 667

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Prostate |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Stomach, Forestomach |
| * Trachea | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--------------------------|-------------------|--|-------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Epididymis | Epithelium | Degeneration | Mild |
| | | Mesothelioma Malignant | |
| * Eye | Retina | Degeneration | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Moderate |
| | | [Leukemia Mononuclear TGLs = 5-3] | |
| | | [Vacuolization Cytoplasmic TGLs = 5-3] | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Pancreatic, Sinus | Dilatation | Mild |
| | | [Dilatation TGLs = 4-17] | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| | | Leukemia Mononuclear | |
| | | [Infiltration Cellular TGLs = 1-10] | |
| | | [Leukemia Mononuclear TGLs = 1-10] | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

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 Lab: NCTR

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 667

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800032

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary GI			
Note: No RC per pathologist			
* Nose	Goblet Cell	Hyperplasia	Marked
		Inflammation	Suppurative, Moderate
* Pancreas	Acinus	Degeneration	Marked
* Preputial Gland		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Atrophy	Moderate
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2,3-9+9A]		
* Stomach, Glandular		Ulcer	Mild
	[Ulcer TGLs = 7-12A]		
* Testes	Seminif Tub	Degeneration	Mild
	Interstit Cell	Hyperplasia	Mild
		Mesothelioma Malignant	
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Carcinoma	
	[Carcinoma TGLs = 6-6]		
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Thyroid Gland Follicular Cel Carcinoma

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 Lab: NCTR

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0.70 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Blood Vessel | * Bone Marrow | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---------------------|--|---------------------------|------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Marked |
| * Adrenal Medulla | | Hyperplasia | Marked |
| * Bone, Femur | | Fibrous Osteodystrophy | Mild |
| * Brain, Brain Stem | | Compression | Mild |
| | [Compression TGLs = 13-1A] | | |
| * Epididymis | Epithelium | Degeneration | Moderate |
| | | Hypospermia | Marked |
| | | Mesothelioma Malignant | |
| * Eye | Bilateral, Retina | Degeneration | Moderate |
| * Heart | | Cardiomyopathy | Moderate |
| | [Thrombosis TGLs = 9-2] | Thrombosis | Marked |
| * Kidney | | Hydronephrosis | Minimal |
| | [Hydronephrosis TGLs = 8-8] | Nephropathy | Marked |
| | [Nephropathy TGLs = 7-8] | | |
| * Liver | | Degeneration | Cystic, Marked |
| | Bile Duct | Hyperplasia | Marked |
| * Lung | | Infiltration Cellular | Histiocyte, Mild |
| * Mammary Gland | | Galactocele | Moderate |
| | [Galactocele TGLs = 2,3,4,5-2B+2C+2D+2E] | | |
| * Pancreas | Acinus | Degeneration | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0.70 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800041

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland [Hyperplasia TGLs = 10-6]		Hyperplasia	Marked
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland [Adenoma TGLs = 12-9A]	Pars Distalis	Adenoma	
* Skin [Cyst Epithelial Inclusion TGLs = 11-2F] [Keratoacanthoma TGLs = 1-2A]		Cyst Epithelial Inclusion Keratoacanthoma	
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen Note: TGL 6 - NCL		Pigmentation	Mild
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 519

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Blood Vessel		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Hypospermia	Moderate
		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5,6-3]		
* Lung		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
	[Infiltration Cellular TGLs = 8,10-4+4A]		
	[Leukemia Mononuclear TGLs = 8-4]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 7-9]		
* Preputial Gland	Acinus	Degeneration	Moderate
		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 519

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800042

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Atrophy	Moderate
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
		Necrosis	Marked
	[Leukemia Mononuclear TGLs = 4-9]		
	[Necrosis TGLs = 3-9]		
* Stom Gland			
	Note: TGL 9 - NCL		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Moderate
		Mesothelioma Malignant	
	[Adenoma TGLs = 1,2-7B]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 51

TRT#: 1

SEX: Male

DAY ON TEST: 660

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Blood Vessel | * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Mammary Gland | * Nose |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------|--|---------------------------|------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Marked |
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | | Hypospermia | Moderate |
| * Eye | Bilateral, Retina | Degeneration | Minimal |
| * Heart | Atrium | Cardiomyopathy | Moderate |
| | | Dilatation | Marked |
| | | Leukemia Mononuclear | |
| | [Dilatation TGLs = 10-2] | | |
| * Kidney | | Nephropathy | Marked |
| * Liver | | Degeneration | Cystic, Moderate |
| | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | [Degeneration TGLs = 7-3A] | | |
| | [Hyperplasia TGLs = 5,6-3] | | |
| | [Leukemia Mononuclear TGLs = 5,6-3] | | |
| * Lung | | Leukemia Mononuclear | |
| | Note: TGLs 12 & 13 also located on slide 4 with the routine Lung section | | |
| | [Leukemia Mononuclear TGLs = 12,13-4B+4A+4] | | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | Lumbar | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 4-17] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 51

TRT#: 1

SEX: Male

DAY ON TEST: 660

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800051

ORGAN AND ACCOUNTABLE SITE STATUS

	[Leukemia Mononuclear TGLs = 8-17A]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Preputial Gland		Adenoma	
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Moderate
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Prostate		Inflammation	Suppurative, Mild
* Skin		Fibrosis	Moderate
	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
	[Fibrosis TGLs = 11-2A+2B]		
	[Hyperplasia TGLs = 11-2A+2B]		
	[Inflammation TGLs = 11-2A+2B]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-9]		
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 2-7]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 9-17B]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 52

TRT#: 1

SEX: Male

DAY ON TEST: 428

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Epididymis | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Peripheral Nerve, Sciatic | * Pituitary Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--------------------------|---------------------------|----------------------------------|----------------------|
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Inflammation | Chronic Active, Mild |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Parathyroid Gland | | Hyperplasia | Mild |
| * Preputial Gland | | Carcinoma | |
| | [Carcinoma TGLs = 1-7B] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| * Testes | Interstit Cell | Adenoma | |
| | Seminif Tub | Degeneration | Mild |
| * Thymus | | Atrophy | Moderate |

PRIMARY CAUSE OF DEATH - Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 111

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Prostate	* Salivary Glands
* Skeletal Muscle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
* Lung		Alveolar/Bronchiolar Adenoma	
* Mammary GI			
Note: Also located on slide 7			
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
		[Degeneration TGLs = 1-7]	
		[Ectasia TGLs = 1-7]	
		[Inflammation TGLs = 1-7]	
* Seminal Vesicle		Atrophy	Marked
		[Atrophy TGLs = 3-7A]	
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 111

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800111

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
[Adenoma TGLs = 2-7B]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Adenoma	
[Adenoma TGLs = 4-6]			

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 112

TRT#: 4

SEX: Male

DAY ON TEST: 574

DOSE: 0.0875 GLYCID

DISP: Natural Death

HISTO: 021500800112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------|-------------------|-----------------------------|---------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Epididymis | * Esophagus |
| * Harderian Gland | * Mammary Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland |
| * Prostate | * Skeletal Muscle | * Skin | |

MISSING

- * Thymus

AUTO PRECLUDES DIAG.

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Bone Marrow | * Eye | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver | * Lung | * Nose |
| * Pancreas | * Salivary Glands | * Seminal Vesicle | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--------------------------|---|-------------------------|-----------------------|
| * Adrenal Medulla | Bilateral | Pheochromocytoma Benign | |
| | [Pheochromocytoma Benign TGLs = 2-9A] | | |
| * Heart | | Cardiomyopathy | Mild |
| | | Thrombosis | Marked |
| | [Cardiomyopathy TGLs = 7-2] | | |
| * Kidney | | Nephropathy | Marked |
| | [Nephropathy TGLs = 4-8] | | |
| * Liver | | | |
| | Note: TGL 5 - NCL | | |
| * Lung | | | |
| | Note: TGL 9 - NCL | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Moderate |
| | Note: WT requested for the other half of TGL 1 located on slide 10C | | |
| | [Infiltration Cellular TGLs = 1-10B+10C] | | |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Plasma Cell, Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 112

TRT#: 4

SEX: Male

DAY ON TEST: 574

DOSE: 0.0875 GLYCID

DISP: Natural Death

HISTO: 021500800112

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland		Hyperplasia	Mild
* Preputial Gland	Acinus	Degeneration Infiltration Cellular	Marked Plasma Cell, Moderate
	[Degeneration TGLs = 6-7B] [Infiltration Cellular TGLs = 6-7B]		
* Spleen		Hyperplasia	Lymphoid, Moderate
	[Hyperplasia TGLs = 3-9]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
	Note: TGL 10 located on slide 12B with TGL 11; not 12A [Hyperplasia TGLs = 10-12B]		
* Stom Gland			
	Note: TGL 11 - NCL		
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus			
	Note: TGL 8 - NCL Note: No RC per pathologist		

PRIMARY CAUSE OF DEATH - UNCERTAIN

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 121

TRT#: 4

SEX: Male

DAY ON TEST: 675

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain, Brain Stem		Compression	Marked
		Hemorrhage	Moderate
	[Compression TGLs = 5-1A]		
	[Hemorrhage TGLs = 5-1A]		
* Brain, Cerebellum	Ventricle	Dilatation	Mild
* Brain, Cerebrum	Ventricle	Dilatation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Marked
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Pigmentation	Mild
Lymph Node	Lumbar, Sinus	Dilatation	Mild
	[Dilatation TGLs = 8-17]		
* Lymph Node, Mandibular	Sinus	Dilatation	Moderate
		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 2-2A]		
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 6-9A]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 121

TRT#: 4

SEX: Male

DAY ON TEST: 675

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800121

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Duct	Ectasia Inflammation Squamous Cell Papilloma	Moderate Suppurative, Mild
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
	[Squamous Cell Papilloma TGLs = 1-7]		
* Prostate		Inflammation	Suppurative, Marked
	[Inflammation TGLs = 4-7B]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Pigmentation	Moderate
* Testes	Seminif Tub	Degeneration	Mild
	Note: TGL 7 - NCL		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate
	Follicular Cel	Hyperplasia	Mild
* Urinary Bladder	Lumen	Dilatation	Marked
	[Dilatation TGLs = 3-8]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 122

TRT#: 4

SEX: Male

DAY ON TEST: 592

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
		Thrombosis	Mild
* Kidney		Nephropathy	Mild
* Liver	Hepatocyte	Degeneration	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-17]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Plasma Cell, Mild
		Leukemia Mononuclear	
	[Hyperplasia TGLs = 1-10+10A]		
	[Infiltration Cellular TGLs = 1-10+10A]		
	[Leukemia Mononuclear TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 122

TRT#: 4

SEX: Male

DAY ON TEST: 592

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800122

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia Leukemia Mononuclear	Mild
[Hyperplasia TGLs = 6-9A]			
* Preputial Gland	Duct	Ectasia Inflammation	Moderate Chronic Active, Mild
[Ectasia TGLs = 2-7]			
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 3-9]			
* Testes	Seminif Tub	Degeneration	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 131

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|-----------------------------|----------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|---------------------------------------|-----------|---------------------------|-----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Heart | | Cardiomyopathy | Moderate |
| | | Leukemia Mononuclear | |
| | | Schwannoma Malignant | |
| | | Thrombosis | Marked |
| * Kidney | | Nephropathy | Marked |
| * Liver | | Degeneration | Cystic, Marked |
| | | Eosinophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| Note: TGL 8 - NCL | | | |
| [Degeneration TGLs = 6-3] | | | |
| [Eosinophilic Focus TGLs = 9-3B] | | | |
| [Leukemia Mononuclear TGLs = 4,5-3] | | | |
| * Lung | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 7-4] | | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Preputial Gland | Duct | Ectasia | Marked |
| | | Inflammation | Suppurative, Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 131

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800131

ORGAN AND ACCOUNTABLE SITE STATUS

[Ectasia TGLs = 1-7]			
[Inflammation TGLs = 1-7]			
* Spleen		Accessory Spleen	
		Leukemia Mononuclear	
[Accessory Spleen TGLs = 3-9A]			
[Leukemia Mononuclear TGLs = 2-9]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 132

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Nose |
| * Peripheral Nerve, Sciatic | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--------------------------|-------------------------------|---------------------------|-------------------|
| * Epididymis | Epithelium | Degeneration | Marked |
| | | Hypospermia | Marked |
| * Heart | | Cardiomyopathy | Moderate |
| | | Mineralization | Moderate |
| | [Mineralization TGLs = 4-2] | | |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | Multiple |
| | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Vacuolization Cytoplasmic | Mild |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Mammary GI | | | |
| Note: RC attempted | | | |
| Oral Mucosa | Epithelium | Hyperplasia | Mild |
| | [Hyperplasia TGLs = 5-17] | | |
| * Pancreas | Acinus | Degeneration | Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 132

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800132

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-9]		
* Preputial Gland	Acinus	Degeneration	Moderate
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 1,2-7B+7]		
* Thymus		Atrophy	Marked

Animal Note: TGL 5 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 141

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Stomach, Forestomach |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|------------------|---------------------------------|---------------------------|----------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | Epithelium | Degeneration | Marked |
| | | Hypospermia | Marked |
| * Eye | | Phthisis Bulbi | Marked |
| | [Phthisis Bulbi TGLs = 15-13] | | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| * Liver | | Degeneration | Cystic, Marked |
| | Bile Duct | Hyperplasia | Marked |
| | Hepatocyte | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Marked |

Note: TGL 11 located on slide 3B with TGL 12

Note: TGL 10 also located on slide 3A

[Degeneration TGLs = 11,12-3B]

[Hyperplasia TGLs = 11,12-3B]

[Leukemia Mononuclear TGLs = 9,10-3+3A]

[Vacuolization Cytoplasmic TGLs = 10-3+3A]

- * Lung Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 141

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800141

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 8-17A]		
[Leukemia Mononuclear	TGLs = 13-17B]		
[Leukemia Mononuclear	TGLs = 14-10]		
[Leukemia Mononuclear	TGLs = 18-17C]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma	TGLs = 16-2A]		
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Marked
[Leukemia Mononuclear	TGLs = 2-17]		
[Necrosis	TGLs = 2-17]		
* Pancreas	Acinus	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Mild
* Prostate		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Seminal Vesicle		Atrophy	Marked
[Atrophy	TGLs = 6-7A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 141

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800141

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 7-9]			
* Stomach, Glandular		Leukemia Mononuclear Necrosis	Moderate
[Leukemia Mononuclear TGLs = 17-12A]			
[Necrosis TGLs = 17-12A]			
* Testes	Interstit Cell Seminif Tub Interstit Cell	Adenoma Degeneration Hyperplasia	Marked Moderate
[Adenoma TGLs = 3-7B]			
[Degeneration TGLs = 4-7]			
[Hyperplasia TGLs = 5-7]			
* Thymus			
Note: No RC per pathologist			
* Thyroid Gland	C Cell	Hyperplasia	Mild

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 142

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Prostate	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain, Brain Stem		Compression	Mild
	[Compression TGLs = 15-1A]		
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
	[Degeneration TGLs = 6-7A]		
	[Hypospermia TGLs = 6-7A]		
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Moderate
		Leukemia Mononuclear	
		Schwannoma Malignant	
		Thrombosis	Marked
	[Cardiomyopathy TGLs = 14-2]		
	[Leukemia Mononuclear TGLs = 14-2]		
	[Schwannoma Malignant TGLs = 13-2]		
	[Thrombosis TGLs = 12-2A]		
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 7-8]		
* Liver		Degeneration	Cystic, Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 142

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800142

ORGAN AND ACCOUNTABLE SITE STATUS

	Bile Duct	Eosinophilic Focus Hyperplasia Leukemia Mononuclear	Multiple Marked
Note: TGL 11 - NCL			
Note: TGL 9 - NCL			
Note: TGL 10 - NCL			
[Degeneration TGLs = 8-3+3A]			
[Eosinophilic Focus TGLs = 8-3+3A]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Infiltration Cellular Infiltration Cellular Galactoceles	Plasma Cell, Marked Polymorphnuclr, Marked Marked
* Mammary Gland			
[Galactoceles TGLs = 2-2B]			
* Parathyroid Gland		Hyperplasia	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 16-9A]			
* Preputial Gland	Acinus Duct	Degeneration Ectasia Inflammation	Moderate Marked Suppurative, Marked
[Degeneration TGLs = 1-7B]			
[Ectasia TGLs = 1-7B]			
[Inflammation TGLs = 1-7B]			
* Seminal Vesicle		Atrophy	Marked
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 3-9]			
* Testes	Interstitial Cell Seminif Tub	Adenoma Degeneration	Marked
[Adenoma TGLs = 4-7]			

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 142

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800142

ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLs = 5-7B]

* Thymus

Atrophy

Moderate

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 151

TRT#: 4

SEX: Male

DAY ON TEST: 640

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Blood Vessel | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Nose | * Parathyroid Gland | * Salivary Glands |
| * Seminal Vesicle | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--------------------------|---|---------------------------|--------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | | Hyperplasia | Minimal |
| * Bone, Femur | | Osteopetrosis | Marked |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | | Exfoliated Germ Cell | Moderate |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| * Liver | | Degeneration | Cystic, Mild |
| | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Moderate |
| | [Leukemia Mononuclear TGLs = 5-3] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | Lumbar | Leukemia Mononuclear | |
| | Note: TGL 3 - Noted grossly as Lymph node, pancreatic was also Pancreas | | |
| | [Leukemia Mononuclear TGLs = 3-17] | | |
| | [Leukemia Mononuclear TGLs = 4-17A] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 151

TRT#: 4

SEX: Male

DAY ON TEST: 640

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800151

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Mild
* Pancreas	Acinus	Degeneration	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-17]		
* Peripheral Nerve, Sciatic	Axon	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 6-9A]		
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Prostate		Inflammation	Chronic Active, Marked
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Mild
	[Adenoma TGLs = 2-7B]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 152

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Blood Vessel | * Bone, Femur | * Brain, Cerebellum | * Esophagus |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Parathyroid Gland | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--------------------------|--|---------------------------|----------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Brain Stem | | Compression | Mild |
| | [Compression TGLs = 9-1] | | |
| * Brain, Cerebrum | Ventricle | Dilatation | Mild |
| * Epididymis | Epithelium | Degeneration | Moderate |
| | | Hypospermia | Marked |
| * Eye | Bilateral, Retina | Degeneration | Mild |
| * Kidney | | Nephropathy | Marked |
| * Liver | | Degeneration | Cystic, Marked |
| | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 10-3] | | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 5-17] | | |
| | [Leukemia Mononuclear TGLs = 7-17A] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 2-10+10A] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 152

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800152

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland			
Note: RC attempted			
* Nose		Inflammation	Suppurative, Mild
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 8-9B]			
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Mild
		Inflammation	Chronic Active, Mild
[Degeneration TGLs = 1-7]			
[Ectasia TGLs = 1-7]			
[Inflammation TGLs = 1-7]			
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
* Seminal Vesicle		Atrophy	Marked
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLs = 4-9A]			
[Leukemia Mononuclear TGLs = 3-9]			
* Testes	Interstitial Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
[Degeneration TGLs = 6-7B]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 261

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord, Thoracic	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Epididymis	Epithelium	Degeneration	Mild
		Hypospermia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	Marked
		Nephropathy	Marked
	[Cyst TGLs = 6-8A]		
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular	Sinus	Dilatation	Moderate
		Infiltration Cellular	Plasma Cell, Mild
	[Dilatation TGLs = 3-10+10A]		
	[Infiltration Cellular TGLs = 3-10+10A]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
* Pancreas	Acinus	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 7-9A]		
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 261

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800261

ORGAN AND ACCOUNTABLE SITE STATUS

	[Degeneration TGLs = 2-7]		
	[Ectasia TGLs = 2-7]		
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLs = 1-2A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Stom Gland			
	Note: TGL 8 - NCL		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 4,5-7B+7]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 262

TRT#: 5

SEX: Male

DAY ON TEST: 597

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500800262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Testes	* Trachea	

MISSING

* Thymus

AUTO PRECLUDES DIAG.

* Adrenal Cortex	* Adrenal Medulla	* Brain, Cerebellum	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland		

OBSERVATIONS

* Brain, Brain Stem [Compression TGLs = 4-1]		Compression	Moderate
* Brain, Cerebrum	Ventricle	Dilatation	Mild
* Heart		Cardiomyopathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Lung		Congestion	Marked
* Lymph Node, Mandibular	Sinus	Dilatation	Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Lactation	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland [Adenoma TGLs = 3-9A]	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Suppurative, Marked
* Seminal Vesicle [Dilatation TGLs = 1-7A]	Lumen	Dilatation	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 262

TRT#: 5

SEX: Male

DAY ON TEST: 597

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500800262

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Minimal
* Thymus			
Note: RC/WT attempted			
* Urinary Bladder	Lumen	Dilatation	Moderate
[Dilatation TGLs = 2-8]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 271

TRT#: 5

SEX: Male

DAY ON TEST: 725

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500800271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Cerebellum |
| * Brain, Cerebrum | * Epididymis | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Parathyroid Gland | * Preputial Gland | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|------------------------------|---------------|---------------------------|-----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Brain, Brain Stem | | Compression | Moderate |
| [Compression TGLs = 3-1A] | | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Marked |
| [Nephropathy TGLs = 2-8] | | | |
| * Liver | Bile Duct | Hyperplasia | Mild |
| * Mammary Gland | | Fibroadenoma | |
| [Fibroadenoma TGLs = 1-2A] | | | |
| * Pancreas | Acinus | Degeneration | Moderate |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLs = 4-9A] | | | |
| * Preputial GI | | | |
| Note: TGL 5 - NCL | | | |
| * Prostate | Epithelium | Hyperplasia | Minimal |
| | | Inflammation | Suppurative, Moderate |
| * Spinal Cord, Cervical | Axon | Degeneration | Minimal |
| * Spinal Cord, Lumbar | Nerve | Degeneration | Minimal |
| * Spinal Cord, Thoracic | Axon | Degeneration | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 271

TRT#: 5

SEX: Male

DAY ON TEST: 725

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500800271

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Moderate
* Testes	Seminif Tub	Degeneration	Mild
	Interstit Cell	Hyperplasia	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Mild
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 272

TRT#: 5

SEX: Male

DAY ON TEST: 523

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500800272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis	* Esophagus
* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Liver	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Pheochromocytoma Benign	
		Pheochromocytoma Malignant	
	[Pheochromocytoma Malignant TGLs = 2-9]		
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 3-8]		
* Mammary Gland	Duct	Dilatation	Moderate
	[Dilatation TGLs = 5-2]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLs = 6-9]		
* Preputial Gland		Inflammation	Suppurative, Moderate
* Prostate		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Atrophy	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-9]		
* Thymus		Atrophy	Moderate
* Urinary Bladder	Lumen	Dilatation	Marked
	[Dilatation TGLs = 4-8A]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 272

TRT#: 5

SEX: Male

DAY ON TEST: 523

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500800272

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Adrenal Medulla Pheochromocytoma Malignant

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 281

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	Lymph Node	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Skeletal Muscle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
* Heart		Cardiomyopathy	Moderate
		Thrombosis	Marked
	[Thrombosis TGLs = 5-2]		
* Kidney		Nephropathy	Marked
* Liver		Angiectasis	Moderate
		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Moderate
Lymph Node			
Note: TGL 4 - NCL (Lymph node, pancreatic, enlarged)			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-2A]		
* Nose		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 281

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800281

ORGAN AND ACCOUNTABLE SITE STATUS

* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland [Adenoma TGLs = 6-9A]	Pars Distalis	Adenoma	
* Preputial Gland	Acinus	Degeneration	Mild
		Inflammation	Suppurative, Mild
* Seminal Vesicle		Atrophy	Marked
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
[Adenoma TGLs = 2,3-7+7B]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Adenoma	
	C Cell	Hyperplasia	Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 282

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Nose
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain, Brain Stem		Compression	Mild
	[Compression TGLs = 7-1A]		
* Epididymis		Hypospermia	Marked
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Carcinoma	
	[Carcinoma TGLs = 3-10A]		
* Kidney		Nephropathy	Marked
* Liver		Basophilic Focus	Multiple
		Degeneration	Cystic, Mild
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Moderate
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric	Sinus	Dilatation	Mild
		Hyperplasia	Lymphoid, Moderate
	[Dilatation TGLs = 6-11]		
	[Hyperplasia TGLs = 6-11]		
* Mammary Gland		Lactation	Mild
* Pancreas	Acinus	Degeneration	Minimal
	Note: TGL 3 - Noted grossly as Pancreas was Islets, pancreatic		
* Parathyroid Gland		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 282

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800282

ORGAN AND ACCOUNTABLE SITE STATUS

* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 5-9A]			
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
[Degeneration TGLs = 2-7B]			
[Ectasia TGLs = 1-7]			
[Inflammation TGLs = 1-7]			
* Prostate		Inflammation	Suppurative, Moderate
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Minimal
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
[Adenoma TGLs = 4-7B]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 291

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800291

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Mammary Gland | * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle | * Skin |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

Lymph Node

OBSERVATIONS

- | | | | |
|--------------------------|---|----------------------------|------------------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | | Pheochromocytoma Malignant | |
| | [Pheochromocytoma Malignant TGLs = 3-9] | | |
| * Epididymis | | Hypospermia | Marked |
| * Heart | | Cardiomyopathy | Moderate |
| | [Thrombosis TGLs = 5-2] | Thrombosis | Marked |
| * Kidney | | Nephropathy | Marked |
| * Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Necrosis | Minimal |
| * Lung | | Vacuolization Cytoplasmic | Mild |
| | | Infiltration Cellular | Histiocyte, Minimal |
| | | Pheochromocytoma Malignant | Metastatic (Adrenal Medulla) |
| | Lymph Node | | |
| | Note: TGL 4 - NCL (Lymph node, mediastinal, enlarged) | | |
| | Note: RC/WT attempted | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Marked |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 291

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800291

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Infiltration Cellular Degeneration	Plasma Cell, Mild Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland	Acinus	Degeneration Inflammation	Marked Chronic Active, Marked
	[Degeneration TGLs = 1-7B]		
	[Inflammation TGLs = 1-7B]		
* Prostate		Inflammation	Chronic Active, Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Testes	Seminif Tub Interstit Cell	Degeneration Hyperplasia Polyarteritis	Marked Moderate Mild
	[Degeneration TGLs = 2-7]		
* Thymus		Atrophy	Marked

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 292

TRT#: 5

SEX: Male

DAY ON TEST: 698

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500800292

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Brain, Brain Stem		Compression	Marked
	[Compression TGLs = 6-1A]		
* Brain, Cerebellum	Ventricle	Dilatation	Mild
* Brain, Cerebrum	Ventricle	Dilatation	Mild
* Epididymis	Epithelium	Degeneration	Moderate
		Hypospermia	Marked
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Int Sm Duoden			
	Note: TGL 7 - NCL		
* Kidney		Nephropathy	Marked
	Note: WT for TGL 2 located on slide 8A		
	[Nephropathy TGLs = 2-8+8A]		
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Marked
	Note: TGL 4 - NCL		
	Note: WT for TGL 3 also located on slide 3A with TGL 4		
	[Vacuolization Cytoplasmic TGLs = 3-3+3A]		
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 292

TRT#: 5

SEX: Male

DAY ON TEST: 698

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500800292

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 5-9A]			
* Preputial Gland	Acinus	Degeneration	Marked
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
* Prostate		Inflammation	Suppurative, Marked
* Seminal Vesicle		Atrophy	Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
[Degeneration TGLs = 1-7]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 361

TRT#: 2

SEX: Male

DAY ON TEST: 569

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Mammary Gland | * Nose |
| * Parathyroid Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|-----------------------------|----------------|---------------------------|-----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Bone Marrow | | Hyperplasia | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | Bile Duct | Hyperplasia | Minimal |
| Note: TGL 2 - NCL | | | |
| * Lymph Node, Mandibular | Sinus | Dilatation | Mild |
| | | Infiltration Cellular | Plasma Cell, Moderate |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Plasma Cell, Moderate |
| * Pancreas | Acinus | Degeneration | Mild |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| [Hyperplasia TGLs = 3-9] | | | |
| * Preputial Gland | | Carcinoma | |
| [Carcinoma TGLs = 1-7B] | | | |
| * Spinal Cord, Lumbar | Nerve | Degeneration | Minimal |
| * Testes | Interstit Cell | Adenoma | |
| [Adenoma TGLs = 4-7] | | | |
| * Thymus | | Atrophy | Moderate |

PRIMARY CAUSE OF DEATH - Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 362

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Bone, Femur | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|--------------------------|--|---------------------------|------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Blood Vessel | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Brain Stem | | Compression | Marked |
| | [Compression TGLs = 11-1A] | | |
| * Epididymis | Epithelium | Degeneration | Marked |
| | | Hypospermia | Marked |
| * Eye | Bilateral, Retina | Degeneration | Mild |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| * Kidney | | Nephropathy | Marked |
| * Liver | | Basophilic Focus | |
| | | Degeneration | Cystic, Mild |
| | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 8-3] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Mild |
| | | Leukemia Mononuclear | |
| | Lymph Node Lumbar | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 12-17] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 2-10+10A] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 362

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800362

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Moderate
* Pancreas	Acinus	Degeneration	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLs = 10-9A]		
	[Leukemia Mononuclear TGLs = 10-9A]		
* Preputial Gland		Carcinoma	
		Squamous Cell Carcinoma	
	[Carcinoma TGLs = 1-7]		
	[Squamous Cell Carcinoma TGLs = 1-7]		
* Prostate		Adenoma	
		Inflammation	Chronic Active, Marked
* Seminal Vesicle		Atrophy	Marked
	[Atrophy TGLs = 7-7A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
	[Fibrosis TGLs = 5-9]		
	[Leukemia Mononuclear TGLs = 6-9]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 3-7]		
	[Degeneration TGLs = 4-7]		
* Thymus		Leukemia Mononuclear	
* Thyroid GI			
	Note: TGL 9 - NCL		

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 371

TRT#: 2

SEX: Male

DAY ON TEST: 588

DOSE: 0.35 GLYCID

DISP: Natural Death

HISTO: 021500800371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis
* Esophagus	* Harderian Gland	* Islets, Pancreatic	* Parathyroid Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose
* Seminal Vesicle	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic

OBSERVATIONS

* Brain, Brain Stem [Compression TGLs = 7-1]		Compression	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver [Leukemia Mononuclear TGLs = 5-3]	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular [Hemorrhage TGLs = 2-10+10A] [Infiltration Cellular TGLs = 2-10+10A] [Leukemia Mononuclear TGLs = 2-10+10A]		Hemorrhage Infiltration Cellular Leukemia Mononuclear	Mild Plasma Cell, Mild
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Mild
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland [Adenoma TGLs = 6-9]	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 371

TRT#: 2

SEX: Male

DAY ON TEST: 588

DOSE: 0.35 GLYCID

DISP: Natural Death

HISTO: 021500800371

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland [Carcinoma TGLs = 1-7B]	Carcinoma	
* Prostate	Inflammation	Suppurative, Minimal
* Spleen	Fibrosis	Moderate
	Leukemia Mononuclear	
[Fibrosis TGLs = 8-9A]		
[Leukemia Mononuclear TGLs = 4-9]		
* Thymus	Atrophy	Marked
* Urinary Bladder Lumen	Dilatation	Moderate
[Dilatation TGLs = 3-8]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 372

TRT#: 2

SEX: Male

DAY ON TEST: 485

DOSE: 0.35 GLYCID

DISP: Natural Death

HISTO: 021500800372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-------------------|--------------------------|-----------------------------|----------------------|
| * Bone, Femur | * Epididymis | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Colon | * Intestine Large, Rectum | * Islets, Pancreatic |
| * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle |
| * Skin | * Stomach, Forestomach | * Thyroid Gland | * Trachea |

MISSING

- * Thymus

AUTO PRECLUDES DIAG.

- | | | | |
|----------------------------|--------------------------|-----------------------------|--------------------------|
| * Brain, Brain Stem | * Intestine Large, Cecum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Mammary Gland | * Spinal Cord, Cervical | * Spinal Cord, Thoracic |
| * Stomach, Glandular | | | |

OBSERVATIONS

- | | | | |
|------------------------|-----------------|----------------------|---------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Blood Vessel | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Cerebellum | | Leukemia Mononuclear | |
| * Brain, Cerebrum | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Leukemia Mononuclear | |
| | | Leukemia Mononuclear | |
| | | Nephropathy | Minimal |
| * Liver | | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| [Leukemia Mononuclear | TGLs = 8-4+4A] | | |
| Lymph Node | Axillary | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |
| | Lumbar | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 372

TRT#: 2

SEX: Male

DAY ON TEST: 485

DOSE: 0.35 GLYCID

DISP: Natural Death

HISTO: 021500800372

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear	TGLs = 2-17]		
[Leukemia Mononuclear	TGLs = 3-17A]		
[Leukemia Mononuclear	TGLs = 6-17B]		
[Leukemia Mononuclear	TGLs = 7-17C]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 1-10]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Degeneration	Mild
* Preputial Gland		Inflammation	Suppurative, Moderate
* Spinal Cord, Lumbar		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 4-9A]		
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus			
Note: No RC per pathologist			
* Urinary Bladder	Lumen	Dilatation	Marked
[Dilatation	TGLs = 5-8]		
<hr/>			
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 381

TRT#: 2

SEX: Male

DAY ON TEST: 604

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800381

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
		Schwannoma Malignant	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-3]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Marked
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Oral Mucosa	Epithelium	Hyperplasia	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland	Acinus	Degeneration	Mild
		Inflammation	Chronic Active, Mild
	[Degeneration TGLs = 1-7C]		
	[Inflammation TGLs = 1-7C]		
* Prostate		Inflammation	Suppurative, Minimal
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 381

TRT#: 2

SEX: Male

DAY ON TEST: 604

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800381

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-9A]		
* Testes	Seminif Tub	Degeneration	Moderate
	[Degeneration TGLs = 3-7B]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 382

TRT#: 2

SEX: Male

DAY ON TEST: 585

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800382

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Kidney |
| * Liver | * Lymph Node, Mandibular | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Prostate |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|----------------------------|---------------------------------|---------------------------|---------------------------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Epididymis | Epithelium | Degeneration | Marked |
| | | Hypospermia | Marked |
| | [Degeneration TGLs = 4-7A] | | |
| | [Hypospermia TGLs = 4-7A] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Intestine Small, Jejunum | | Adenocarcinoma | |
| | [Adenocarcinoma TGLs = 7-11A] | | |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Lung | | Inflammation | Chronic, Minimal |
| * Lymph Node, Mesenteric | Sinus | Dilatation | Marked |
| | [Dilatation TGLs = 9-11] | | |
| Mesentery | | Adenocarcinoma | Metastatic (Intestine Small, Jejunum) |
| | [Adenocarcinoma TGLs = 8-17] | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| * Preputial Gland | Acinus | Degeneration | Moderate |
| | Duct | Ectasia | Moderate |
| | | Inflammation | Suppurative, Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 382

TRT#: 2

SEX: Male

DAY ON TEST: 585

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800382

ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLs = 1-7B]
[Ectasia TGLs = 1-7B]
[Inflammation TGLs = 1-7B]
* Seminal Vesicle Atrophy Marked
[Atrophy TGLs = 6-7A]
* Spinal Cord, Cervical Axon Degeneration Minimal
* Spinal Cord, Lumbar Nerve Degeneration Minimal
* Spleen
Note: TGL 5 - NCL
* Stomach, Forestomach Epithelium Hyperplasia Moderate
* Testes Bilateral, Interstit Cell Adenoma
Seminif Tub Degeneration Marked
[Adenoma TGLs = 3-7B]
[Degeneration TGLs = 2-7]
* Thymus
Note: RC/WT attempted

PRIMARY CAUSE OF DEATH - Intestine Small, Jejunum Adenocarcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 391

TRT#: 2

SEX: Male

DAY ON TEST: 589

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800391

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Epididymis	Epithelium	Degeneration	Moderate
		Exfoliated Germ Cell	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4-9B]		
* Preputial Gland	Acinus	Degeneration	Moderate
		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Skin			
	Note: TGL 5 - NCL		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-9A]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 391

TRT#: 2

SEX: Male

DAY ON TEST: 589

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800391

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Seminif Tub	Degeneration	Mild
	Interstit Cell	Hyperplasia	Minimal
[Degeneration TGLs = 2-7]			
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 392

TRT#: 2

SEX: Male

DAY ON TEST: 635

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Prostate |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Intestine Large, Colon

OBSERVATIONS

- | | | | |
|--|---------------|---|-------------------------|
| * Epididymis | Epithelium | Degeneration
Hypospermia
Mesothelioma Malignant | Moderate
Marked |
| * Heart | | Cardiomyopathy | Mild |
| * Intestine Large, Cecum | | Hyperplasia | Lymphoid, Minimal |
| Note: TGL 10 located on slide 12 not 12A
[Hyperplasia TGLs = 10-12] | | | |
| * Int Lg Colon | | | |
| Note: RC attempted | | | |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Deformity | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | | Vacuolization Cytoplasmic | Minimal |
| [Deformity TGLs = 11-3A] | | | |
| * Lym Node Mand | | | |
| Note: TGL 3 - NCL | | | |
| Lymph Node | Lumbar, Sinus | Dilatation | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 392

TRT#: 2

SEX: Male

DAY ON TEST: 635

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800392

ORGAN AND ACCOUNTABLE SITE STATUS

	Lumbar	Hyperplasia	Lymphoid, Moderate
	[Dilatation TGLs = 8-17A]		
	[Hyperplasia TGLs = 8-17A]		
* Mammary Gland		Adenocarcinoma	
	[Adenocarcinoma TGLs = 1-2A]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 7-17]		
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Preputial Gland		Inflammation	Suppurative, Marked
		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLs = 2-7C]		
* Seminal Vesicle		Atrophy	Marked
	[Atrophy TGLs = 9-7A]		
* Spleen		Pigmentation	Mild
Note: TGL 6 - NCL			
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
	[Adenoma TGLs = 4,5-7+7B]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 401

TRT#: 2

SEX: Male

DAY ON TEST: 669

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800401

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone, Femur | * Esophagus | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Mammary Gland | * Nose | * Parathyroid Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Thyroid Gland | * Trachea | |

OBSERVATIONS

- | | | | |
|---------------------------------------|-------------------|---------------------------|------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Minimal |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Blood Vessel | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Brain Stem | | Leukemia Mononuclear | |
| * Brain, Cerebellum | | Leukemia Mononuclear | |
| * Brain, Cerebrum | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 17-1A] | | | |
| * Epididymis | Epithelium | Degeneration | Marked |
| | | Hypospermia | Marked |
| * Eye | Bilateral, Retina | Degeneration | Marked |
| [Degeneration TGLs = 13-13] | | | |
| * Heart | | Leukemia Mononuclear | |
| * Islets, Pancreatic | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Marked |
| * Liver | | Degeneration | Cystic, Moderate |
| | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |

Note: TGL 12 - NCL

Note: TGL 14 - NCL

Note: TGL 15 - NCL

[Degeneration TGLs = 11-3]

[Leukemia Mononuclear TGLs = 11-3]

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 401

TRT#: 2

SEX: Male

DAY ON TEST: 669

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800401

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 9-17]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 2-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 10-11]		
* Pancreas		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 8-10]		
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Preputial Gland	Acinus	Degeneration	Marked
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
		Leukemia Mononuclear	
	[Degeneration TGLs = 1-7]		
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
	[Leukemia Mononuclear TGLs = 1-7]		
* Prostate	Acinus	Degeneration	Moderate
		Inflammation	Suppurative, Moderate
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLs = 3-7A]			
* Spinal Cord, Cervical		Leukemia Mononuclear	
* Spinal Cord, Lumbar		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 5,6,7-9+9A+9B]		
* Stomach, Glandular		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 401

TRT#: 2

SEX: Male

DAY ON TEST: 669

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800401

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 4,16-7+7B]

* Thymus

Leukemia Mononuclear

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 402

TRT#: 2

SEX: Male

DAY ON TEST: 584

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800402

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Hyaline Droplet	Moderate
		Pigmentation	Moderate
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLs = 3-3]		
	[Leukemia Mononuclear TGLs = 4-3+3A]		
* Lung		Leukemia Mononuclear	
* Lym Node Mesen			
Note: No RC per pathologist			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Nose		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland	Duct	Ectasia	Moderate
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 402

TRT#: 2

SEX: Male

DAY ON TEST: 584

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800402

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 2-9]

* Stom Gland

Note: TGL 5 - NCL

* Testes

Interstit Cell

Adenoma

[Adenoma TGLs = 1-7B]

* Thymus

Atrophy

Moderate

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 411

TRT#: 3

SEX: Male

DAY ON TEST: 684

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800411

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Prostate	* Salivary Glands	* Skeletal Muscle
* Spinal Cord, Cervical	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Mild
* Epididymis	Epithelium	Degeneration	Moderate
		Hypospermia	Moderate
	[Degeneration TGLs = 7-7A]		
	[Hypospermia TGLs = 7-7A]		
* Eye	Bilateral, Retina	Degeneration	Mild
* Heart		Leukemia Mononuclear	
	Note: TGL 15 - NCL		
	[Leukemia Mononuclear TGLs = 14-2]		
* Kidney		Nephropathy	Mild
	[Nephropathy TGLs = 11-8]		
* Liver		Degeneration	Cystic, Marked
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 10-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 8-17A]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 411

TRT#: 3

SEX: Male

DAY ON TEST: 684

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800411

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear	TGLs = 12-17B]		
[Leukemia Mononuclear	TGLs = 13-17C]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 4-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 17-11]		
Mesentery	Fat	Necrosis	Moderate
[Necrosis	TGLs = 5-17]		
* Pancreas	Acinus	Degeneration	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma	TGLs = 16-9A]		
[Leukemia Mononuclear	TGLs = 16-9A]		
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Mild
		Inflammation	Suppurative, Marked
[Degeneration	TGLs = 2,3-7]		
[Ectasia	TGLs = 2,3-7]		
[Inflammation	TGLs = 2,3-7]		
* Seminal Vesicle		Atrophy	Mild
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion	TGLs = 1-2A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 9-9]		
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Moderate
[Degeneration	TGLs = 6-7]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 411

TRT#: 3

SEX: Male

DAY ON TEST: 684

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800411

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 412

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800412

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Brain, Brain Stem		Compression	Mild
	[Compression TGLs = 10-1A]		
* Epididymis	Epithelium	Degeneration	Moderate
		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
* Liver		Degeneration	Cystic, Marked
	Bile Duct	Eosinophilic Focus	Multiple
		Hyperplasia	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 9-3]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
	[Infiltration Cellular TGLs = 2-10]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Marked
* Mammary Gland	Alveolus	Hyperplasia	Moderate
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLs = 6-17]		
* Pancreas	Acinus	Degeneration	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 412

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800412

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 11-9A]			
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
		Leukemia Mononuclear	
[Degeneration TGLs = 1-7]			
[Ectasia TGLs = 1-7]			
[Inflammation TGLs = 1-7]			
[Leukemia Mononuclear TGLs = 1-7]			
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Suppurative, Moderate
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLs = 5-7A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
[Fibrosis TGLs = 8-9]			
[Leukemia Mononuclear TGLs = 7-9]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
[Adenoma TGLs = 3,4-7+7B]			
* Thymus		Atrophy	Marked
		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 421

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800421

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---------------------|--|---------------------------|--------------------|
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| | [Pheochromocytoma Benign TGLs = 5-9] | | |
| * Bone Marrow | | Hyperplasia | Mild |
| * Epididymis | Epithelium | Degeneration | Marked |
| | | Hypospermia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| | | Thrombosis | Marked |
| | [Thrombosis TGLs = 7-2A] | | |
| * Kidney | | Nephropathy | Marked |
| * Liver | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| | | Mixed Cell Focus | |
| | | Vacuolization Cytoplasmic | Mild |
| | [Leukemia Mononuclear TGLs = 6-3] | | |
| * Lung | Alveolar Epith | Hyperplasia | Marked |
| | | Infiltration Cellular | Histiocyte, Marked |
| | [Hyperplasia TGLs = 8-4A] | | |
| | [Infiltration Cellular TGLs = 8-4A] | | |
| * Pancreas | Acinus | Degeneration | Minimal |
| * Parathyroid Gland | | Hyperplasia | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 421

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800421

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Located on slide 9A

* Preputial Gland	Acinus	Degeneration Inflammation	Mild Suppurative, Mild
* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLs = 3-7A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4-9]			
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
[Adenoma TGLs = 1,2-7B+7]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 422

TRT#: 3

SEX: Male

DAY ON TEST: 603

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800422

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Pituitary Gland | * Prostate | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Lumbar | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|-----------------------------|---------------------------|-----------------------|----------------------|
| * Epididymis | | Hypospermia | Mild |
| * Harderian Gland | | Inflammation | Chronic Active, Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Pigmentation | Mild |
| Note: TGL 4 - NCL | | | |
| Note: TGL 6 - NCL | | | |
| [Pigmentation TGLs = 5-3] | | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Marked |
| * Preputial Gland | Acinus | Degeneration | Mild |
| | | Inflammation | Suppurative, Mild |
| * Seminal Vesicle | | Atrophy | Mild |
| [Atrophy TGLs = 7-7C] | | | |
| * Spinal Cord, Cervical | Axon | Degeneration | Minimal |
| * Spinal Cord, Thoracic | Nerve | Degeneration | Minimal |
| * Spleen | | Pigmentation | Mild |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | Seminif Tub | Degeneration | Moderate |
| [Adenoma TGLs = 1,2-7+7B] | | | |
| * Thymus | | Atrophy | Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 422

TRT#: 3

SEX: Male

DAY ON TEST: 603

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800422

ORGAN AND ACCOUNTABLE SITE STATUS

Zymbal's Gland

Carcinoma

[Carcinoma TGLs = 3-17]

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 431

TRT#: 3

SEX: Male

DAY ON TEST: 714

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800431

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Blood Vessel | * Bone, Femur | * Epididymis | * Esophagus |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Nose | * Parathyroid Gland | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord, Thoracic | * Stomach, Forestomach |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---------------------|---|---------------------------|--------------|
| * Adrenal Cortex | | Hypertrophy | Moderate |
| | | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Brain Stem | | Compression | Moderate |
| | | Leukemia Mononuclear | |
| | [Compression TGLs = 11-1A] | | |
| * Brain, Cerebellum | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 12-1] | | |
| * Brain, Cerebrum | | Leukemia Mononuclear | |
| * Epididymis | | | |
| | Note: TGL 5 - Noted grossly as Epididymis was Mesentery | | |
| * Eye | Bilateral, Retina | Degeneration | Mild |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| | [Leukemia Mononuclear TGLs = 6-8] | | |
| | [Nephropathy TGLs = 6-8] | | |
| * Liver | | Deformity | |
| | | Degeneration | Cystic, Mild |
| | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | [Deformity TGLs = 7-3A] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 431

TRT#: 3

SEX: Male

DAY ON TEST: 714

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800431

ORGAN AND ACCOUNTABLE SITE STATUS

	[Leukemia Mononuclear TGLs = 8-3]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 10-11]		
* Mammary Gland		Lactation	Mild
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLs = 5-7B]		
* Pancreas		Leukemia Mononuclear	
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 9-9B]		
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Suppurative, Marked
* Prostate		Inflammation	Suppurative, Moderate
* Spinal Cord, Cervical		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 13-5A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
		Leukemia Mononuclear	
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
	[Fibrosis TGLs = 4-9A]		
	[Leukemia Mononuclear TGLs = 3-9]		
* Stomach, Glandular		Inflammation	Suppurative, Moderate
		Ulcer	Marked
	[Inflammation TGLs = 14-12A]		
	[Ulcer TGLs = 14-12A]		
* Testes	Seminif Tub	Degeneration	Mild
	[Degeneration TGLs = 2-7]		
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 431

TRT#: 3

SEX: Male

DAY ON TEST: 714

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800431

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 432

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800432

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Spinal Cord, Lumbar
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLs = 8-9]		
* Brain, Brain Stem		Compression	Moderate
	[Compression TGLs = 13-1A]		
* Brain, Cerebrum		Mineralization	Mild
* Epididymis	Epithelium	Degeneration	Mild
		Hypospermia	Mild
* Eye	Bilateral, Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Moderate
		Thrombosis	Marked
	[Thrombosis TGLs = 11-2]		
* Kidney	Transit Epithe	Hyperplasia	Moderate
		Nephropathy	Marked
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
		Vacuolization Cytoplasmic	Mild
	[Eosinophilic Focus TGLs = 9-3]		
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Lumbar, Sinus	Dilatation	Marked
	[Dilatation TGLs = 10-17]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 432

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800432

ORGAN AND ACCOUNTABLE SITE STATUS

	[Infiltration Cellular TGLs = 5-10+10A]		
* Lymph Node, Mesenteric		Angiectasis	Marked
* Mammary Gland		Galactocele	Marked
	[Galactocele TGLs = 3,4-2A+2B]		
* Pancreas	Acinus	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 12-9A]		
* Preputial Gland	Duct	Ectasia	Moderate
	Epithelium	Hyperplasia	Marked
		Inflammation	Suppurative, Marked
	[Ectasia TGLs = 1,2-7+7B]		
	[Hyperplasia TGLs = 1-7]		
	[Inflammation TGLs = 2-7B]		
* Prostate		Inflammation	Chronic Active, Marked
* Seminal Vesicle		Atrophy	Mild
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLs = 14-2C]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Mild
	[Adenoma TGLs = 6-7]		
	[Degeneration TGLs = 7-7B]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hyperplasia	Mild
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 441

TRT#: 3

SEX: Male

DAY ON TEST: 653

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant	TGLs = 8-9]		
* Bone Marrow		Leukemia Mononuclear	
* Epididymis	Epithelium	Degeneration	Moderate
		Hypospermia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
[Leukemia Mononuclear	TGLs = 9-8]		
[Nephropathy	TGLs = 9-8]		
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 10-4]		
Lymph Node	Pancreatic		
[Leukemia Mononuclear	TGLs = 7-17]	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 441

TRT#: 3

SEX: Male

DAY ON TEST: 653

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800441

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 11-11]		
* Pancreas	Acinus	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Preputial Gland		Adenoma	
		Inflammation	Chronic Active, Mild
[Adenoma	TGLs = 1-7]		
[Inflammation	TGLs = 1-7]		
* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle		Atrophy	Marked
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 6-9]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
[Adenoma	TGLs = 3,4,5-7+7B]		
[Degeneration	TGLs = 2-7]		
* Thymus			
Note: WT attempted			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 442

TRT#: 3

SEX: Male

DAY ON TEST: 519

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Esophagus			
Note: Located on slide 17			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
* Liver		Inflammation	Chronic Active, Minimal
* Lung		Inflammation	Suppurative, Moderate
* Parathyroid Gland			
Note: No RC per pathologist			
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Infiltration Cellular	Lymphocyte, Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Testes	Interstit Cell	Adenoma	
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 442

TRT#: 3

SEX: Male

DAY ON TEST: 519

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800442

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland C Cell Carcinoma
 [Carcinoma TGLs = 1-17]
Tissue NOS
 Note: TGL 1 - Noted grossly as Tissue NOS was Thyroid gland
* Trachea
 Note: Located on slide 17

PRIMARY CAUSE OF DEATH - Thyroid Gland C Cell Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 451

TRT#: 3

SEX: Male

DAY ON TEST: 612

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800451

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain, Brain Stem		Compression	Marked
[Compression TGLs = 8-1A]			
* Epididymis	Epithelium	Degeneration	Mild
		Hypospermia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
[Degeneration TGLs = 5-3]			
[Hyperplasia TGLs = 5-3]			
[Leukemia Mononuclear TGLs = 5-3]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
Note: TGL 7 - Noted grossly as Lymph node, axillary was Mammary gland			
[Leukemia Mononuclear TGLs = 2-17]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 6-10+10A]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 451

TRT#: 3

SEX: Male

DAY ON TEST: 612

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800451

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Galactocele	Marked
		Lactation	Moderate
	[Galactocele TGLs = 7-17A]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 9-9]		
* Preputial Gland	Acinus	Degeneration	Mild
		Inflammation	Chronic Active, Moderate
* Prostate		Inflammation	Chronic Active, Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3,4-9A+9B]		
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Moderate
	[Adenoma TGLs = 1-7B]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 452

TRT#: 3

SEX: Male

DAY ON TEST: 670

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800452

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Blood Vessel | * Bone, Femur | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Spinal Cord, Cervical | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|---------------------------------------|---------------------------|----------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Brain Stem | | Compression | Marked |
| | [Compression TGLs = 10-1A] | | |
| * Epididymis | | Exfoliated Germ Cell | Moderate |
| * Heart | | Leukemia Mononuclear | |
| | | Thrombosis | Marked |
| | [Thrombosis TGLs = 8-2] | | |
| * Kidney | | Nephropathy | Marked |
| * Liver | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | [Hyperplasia TGLs = 4-3] | | |
| | [Leukemia Mononuclear TGLs = 4-3] | | |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 11-4] | | |
| Lymph Node | Lumbar | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 5-17] | | |
| | [Leukemia Mononuclear TGLs = 6-17A] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 452

TRT#: 3

SEX: Male

DAY ON TEST: 670

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800452

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Mild
* Pancreas	Acinus	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLs = 9-9A]		
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
	[Degeneration TGLs = 2-7]		
	[Ectasia TGLs = 2-7]		
	[Inflammation TGLs = 2-7]		
* Prostate		Inflammation	Suppurative, Marked
	[Inflammation TGLs = 13-7B]		
* Seminal Vesicle		Atrophy	Moderate
	[Atrophy TGLs = 12-7A]		
* Skin		Inflammation	Chronic Active, Marked
	[Inflammation TGLs = 1-2A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-9]		
* Testes	Seminif Tub	Degeneration	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL 7 - NST (Cavity, thoracic, fluid)

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 511

TRT#: 1

SEX: Male

DAY ON TEST: 537

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800511

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Prostate
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar
* Stomach, Forestomach	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Cyst	Marked
		Nephropathy	Minimal
	[Cyst TGLs = 7-8]		
* Liver		Deformity	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Deformity TGLs = 8-3]		
	[Leukemia Mononuclear TGLs = 12-3]		
* Lung		Hyperplasia	Marked
	Alveolar Epith	Leukemia Mononuclear	
	[Hyperplasia TGLs = 13-4A]		
	[Leukemia Mononuclear TGLs = 9-4]		
Lymph Node		Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Mediastinal		
	[Leukemia Mononuclear TGLs = 6-17]		
	[Leukemia Mononuclear TGLs = 10-10]		
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 511

TRT#: 1

SEX: Male

DAY ON TEST: 537

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800511

ORGAN AND ACCOUNTABLE SITE STATUS

	[Leukemia Mononuclear TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Mild
* Pancreas	Acinus	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 11-9]		
* Preputial Gland	Acinus	Degeneration	Moderate
* Prostate			
	Note: TGL 3 - NCL		
* Seminal Vesicle		Atrophy	Mild
	[Atrophy TGLs = 2-7A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Accessory Spleen	
		Leukemia Mononuclear	
	[Accessory Spleen TGLs = 5-9A]		
	[Leukemia Mononuclear TGLs = 4-9A]		
* Stomach, Glandular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 14-12B]		
* Testes	Seminif Tub	Degeneration	Mild
* Thymus		Atrophy	Marked
* Urinary Bladder	Lumen	Dilatation	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 512

TRT#: 1

SEX: Male

DAY ON TEST: 626

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800512

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
Lymph Node	* Lymph Node, Mandibular	* Nose	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex Note: TGL 7 - NCL		Vacuolization Cytoplasmic	Mild
* Adren Medulla Note: TGL 7 - NCL			
* Brain, Brain Stem [Compression TGLs = 10-1]		Compression	Mild
* Epididymis		Mesothelioma Malignant	
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
		Schwannoma Malignant	
* Kidney		Nephropathy	Mild
* Liver		Deformity	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
[Deformity TGLs = 8-3A]			
Lymph Node Note: TGL 12 - NCL			
* Lymph Node, Mesenteric	Sinus	Dilatation	Mild
* Mammary Gland [Fibroadenoma TGLs = 3-2A]		Fibroadenoma	
Oral Mucosa	Epithelium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 512

TRT#: 1

SEX: Male

DAY ON TEST: 626

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800512

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 11-17A]

* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 9-9]			
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Suppurative, Mild
		Squamous Cell Carcinoma	

[Ectasia TGLs = 2-7]

[Inflammation TGLs = 2-7]

[Squamous Cell Carcinoma TGLs = 1-7B]

* Prostate		Inflammation	Suppurative, Moderate
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* Sem Ves

Note: TGL 4 - NCL

* Skin

Note: TGL 3 - Noted grossly as Skin was Mammary gland

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Mild
		Pigmentation	Moderate

Note: TGL 5 - NCL

Note: TGL 6 - NCL

* Testes	Seminif Tub	Degeneration	Mild
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* Thymus		Atrophy	Marked
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PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Carcinoma

Animal Note: TGL 11 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 521

TRT#: 1

SEX: Male

DAY ON TEST: 474

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800521

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebrum
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Stomach, Forestomach	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain, Cerebellum		Gliosis	Mild
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Thrombosis	Marked
	[Leukemia Mononuclear TGLs = 4-3]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7-4A]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-17A]		
	[Leukemia Mononuclear TGLs = 2-17]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic Active, Minimal
	[Ectasia TGLs = 6-7C]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 521

TRT#: 1

SEX: Male

DAY ON TEST: 474

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800521

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-9A]		
* Stomach, Glandular	Epithelium	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Hyperplasia TGLs = 8-12A]		
	[Leukemia Mononuclear TGLs = 8-12A]		
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLs = 3-7B]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 522

TRT#: 1

SEX: Male

DAY ON TEST: 474

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800522

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Lymph Node, Mandibular	Sinus	Dilatation	Moderate
		Infiltration Cellular	Plasma Cell, Moderate
	[Dilatation TGLs = 1-10A]		
	[Infiltration Cellular TGLs = 1-10A]		
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Mild
		Inflammation	Chronic Active, Mild
	[Ectasia TGLs = 2-7B]		
* Prostate		Inflammation	Chronic Active, Minimal
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Testes	Interstit Cell	Hyperplasia	Minimal
		Mesothelioma Malignant	
* Thymus		Atrophy	Marked
Zymbal's Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 522

TRT#: 1

SEX: Male

DAY ON TEST: 474

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800522

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLs = 3-17]

PRIMARY CAUSE OF DEATH - Zymbal's Gland Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 531

TRT#: 1

SEX: Male

DAY ON TEST: 624

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800531

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Seminal Vesicle | * Skeletal Muscle | * Skin | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|--------------------------|--|---------------------------|-------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | | Hypospermia | Moderate |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Nephropathy | Mild |
| | | Pigmentation | Moderate |
| * Liver | | Degeneration | Cystic, Moderate |
| | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 5-3] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 4-17] | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 7-11] | | |
| * Mammary Gland | | Galactocele | Moderate |
| | | Lactation | Mild |
| Oral Mucosa | | Squamous Cell Papilloma | |
| | [Squamous Cell Papilloma TGLs = 8-17A] | | |
| * Pancreas | Acinus | Degeneration | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 531

TRT#: 1

SEX: Male

DAY ON TEST: 624

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800531

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 6-9A]			
* Preputial Gland	Acinus	Degeneration	Moderate
* Prostate		Inflammation	Suppurative, Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
[Fibrosis TGLs = 3-9]			
[Leukemia Mononuclear TGLs = 2-9]			
* Testes	Seminif Tub	Degeneration	Moderate
	Interstit Cell	Hyperplasia	Mild
[Degeneration TGLs = 1-7]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL 8 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 532

TRT#: 1

SEX: Male

DAY ON TEST: 690

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800532

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|--------------------------|---------------------------|
| * Blood Vessel | * Bone, Femur | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose |
| * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle | * Spinal Cord, Cervical |
| * Stomach, Forestomach | * Trachea | | |

AUTO PRECLUDES DIAG.

- * Intestine Small, Ileum

OBSERVATIONS

- | | | | |
|---------------------|------------------------------|---------------------------|---------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Marked |
| * Adrenal Medulla | | Hyperplasia | Mild |
| | | Pheochromocytoma Benign | |
| * Bone Marrow | | Hyperplasia | Moderate |
| * Brain, Brain Stem | | Compression | Mild |
| | [Compression TGLs = 14-1A] | | |
| Coagulating Gland | Epithelium | Hyperplasia | Marked |
| | | Inflammation | Suppurative, Marked |
| | | Necrosis | Marked |
| | [Hyperplasia TGLs = 7-7A] | | |
| | [Inflammation TGLs = 7-7A] | | |
| | [Necrosis TGLs = 7-7A] | | |
| * Epididymis | Epithelium | Degeneration | Moderate |
| | | Exfoliated Germ Cell | Marked |
| | | Hypospermia | Marked |
| | | Mesothelioma Malignant | |
| * Eye | Bilateral, Retina | Degeneration | Marked |
| * Harderian Gland | | Necrosis | Moderate |
| * Heart | | Cardiomyopathy | Moderate |
| | | Leukemia Mononuclear | |
| * Kidney | | Nephropathy | Marked |
| * Liver | | Degeneration | Cystic, Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 532

TRT#: 1

SEX: Male

DAY ON TEST: 690

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800532

ORGAN AND ACCOUNTABLE SITE STATUS

	Bile Duct	Hyperplasia Leukemia Mononuclear Vacuolization Cytoplasmic	Marked Marked
Note: TGL 12 - NCL			
* Lung		Leukemia Mononuclear	
Lymph Node	Renal, Sinus Renal Mediastinal	Dilatation Leukemia Mononuclear Leukemia Mononuclear	Moderate
	[Dilatation TGLs = 10-17]		
	[Leukemia Mononuclear TGLs = 10-17]		
	[Leukemia Mononuclear TGLs = 11-17A]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 15-11]		
* Mammary Gland		Lactation	Minimal
* Pancreas	Acinus	Degeneration	Marked
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 13-9A]		
* Preputial Gland	Acinus Duct	Degeneration Ectasia Inflammation	Marked Marked Suppurative, Marked
Note: TGL 2 - NCL			
	[Degeneration TGLs = 3-7B]		
	[Ectasia TGLs = 3-7B]		
	[Inflammation TGLs = 3-7B]		
* Prostate		Inflammation Necrosis	Suppurative, Marked Marked
	[Inflammation TGLs = 8-7C]		
	[Necrosis TGLs = 8-7C]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 532

TRT#: 1

SEX: Male

DAY ON TEST: 690

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800532

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle	Epithelium	Hyperplasia Inflammation Necrosis	Marked Suppurative, Marked Marked
	[Hyperplasia TGLs = 6-7A]		
	[Inflammation TGLs = 6-7A]		
	[Necrosis TGLs = 6-7A]		
* Skin		Necrosis	Moderate
	[Necrosis TGLs = 1-2A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Spleen		Fibrosis Leukemia Mononuclear	Moderate
	[Fibrosis TGLs = 16-9B]		
	[Leukemia Mononuclear TGLs = 9-9]		
* Stomach, Glandular		Necrosis	Moderate
	[Necrosis TGLs = 17-12A]		
* Testes	Seminif Tub Interstit Cell	Degeneration Hyperplasia Mesothelioma Malignant	Marked Minimal
	[Degeneration TGLs = 5-7]		
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Adenoma	
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 541

TRT#: 1

SEX: Male

DAY ON TEST: 600

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800541

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum		Hyperplasia	Lymphoid, Mild
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
		Pigmentation	Mild
		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
* Mammary GI			
Note: TGL 4 - Noted grossly as Mammary gland was Skin			
* Pancreas	Acinus	Degeneration	Minimal
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Marked
		[Adenoma TGLs = 5-9]	
		[Cyst TGLs = 5-9]	
* Preputial Gland	Duct	Ectasia	Mild
		[Ectasia TGLs = 1-7]	
* Skin		Cyst Epithelial Inclusion	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 541

TRT#: 1

SEX: Male

DAY ON TEST: 600

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800541

ORGAN AND ACCOUNTABLE SITE STATUS

	Subcut Tiss	Fibroma	
	[Cyst Epithelial Inclusion TGLs = 3-2A]		
	[Fibroma TGLs = 4-2B]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear Pigmentation	Moderate
	[Leukemia Mononuclear TGLs = 6-9]		
* Testes	Interstit Cell Seminif Tub	Adenoma Degeneration	Mild
	[Adenoma TGLs = 2-7B]		
	[Degeneration TGLs = 2-7B]		
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Skin Cyst Epithelial Inclusion		

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 542

TRT#: 1

SEX: Male

DAY ON TEST: 662

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800542

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Seminal Vesicle | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |

OBSERVATIONS

- | | | | |
|--------------------------|---|----------------------------|---------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | | Pheochromocytoma Malignant | |
| | [Pheochromocytoma Malignant TGLs = 6-9] | | |
| * Epididymis | | Mesothelioma Malignant | |
| * Heart | | Cardiomyopathy | Mild |
| | [Congestion TGLs = 8-2] | Congestion | Marked |
| * Kidney | | Nephropathy | Marked |
| | Note: TGL 7 - NCL | | |
| * Liver | | Degeneration | Cystic, Mild |
| | Bile Duct | Hyperplasia | Moderate |
| | | Pigmentation | Mild |
| | | Vacuolization Cytoplasmic | Mild |
| * Lung | | Hyperplasia | Mild |
| | Alveolar Epith | Infiltration Cellular | Histiocyte, Minimal |
| | [Hyperplasia TGLs = 10-4A] | | |
| | [Infiltration Cellular TGLs = 10-4A] | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| | [Infiltration Cellular TGLs = 1-10] | | |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Mammary Gland | | Fibrosis | Moderate |
| Oral Mucosa | | Keratin Cyst | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 542

TRT#: 1

SEX: Male

DAY ON TEST: 662

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800542

ORGAN AND ACCOUNTABLE SITE STATUS

[Keratin Cyst TGLs = 12-17A]			
* Pancreas	Acinus	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland	Acinus	Degeneration	Marked
		Inflammation	Chronic Active, Marked
[Degeneration TGLs = 3-7]			
[Inflammation TGLs = 3-7]			
* Prostate		Inflammation	Suppurative, Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Moderate
Note: TGL 5 - NCL			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Mild
		Mesothelioma Malignant	
[Adenoma TGLs = 2-7B]			
* Thymus		Atrophy	Marked
Note: TGL 9 - NCL			
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLs = 11-17]			
* Urinary Bladder	Lumen	Dilatation	Mild
[Dilatation TGLs = 4-8]			

PRIMARY CAUSE OF DEATH - Adrenal Medulla Pheochromocytoma Malignant

Animal Note: TGL 12 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 551

TRT#: 1

SEX: Male

DAY ON TEST: 523

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800551

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
		Pigmentation	Moderate
* Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-3]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular	Sinus	Dilatation	Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Preputial Gland	Acinus	Degeneration	Mild
* Seminal Vesicle		Atrophy	Moderate
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-9]		
* Testes	Seminif Tub	Degeneration	Mild
	Interstit Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 551

TRT#: 1

SEX: Male

DAY ON TEST: 523

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800551

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

Tongue

Squamous Cell Papilloma

[Squamous Cell Papilloma TGLs = 3-17]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 552

TRT#: 1

SEX: Male

DAY ON TEST: 677

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800552

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebrum	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLs = 3-9]		
Bone	Cranium	Osteoma	
	[Osteoma TGLs = 12-17D]		
* Brain, Cerebellum		Hemorrhage	Minimal
* Epididymis	Epithelium	Degeneration	Marked
		Exfoliated Germ Cell	Marked
		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
		Schwannoma Malignant	
		Thrombosis	Marked
	[Schwannoma Malignant TGLs = 10-2A]		
	[Thrombosis TGLs = 7-2]		
* Kidney		Nephropathy	Marked
* Liver		Degeneration	Cystic, Mild
	Hepatocyte	Degeneration	Marked
	Bile Duct	Hyperplasia	Moderate
		Infiltration Cellular	Lymphocyte, Moderate
		Necrosis	Marked
	[Degeneration TGLs = 6-3]		
	[Degeneration TGLs = 6-3]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 552

TRT#: 1

SEX: Male

DAY ON TEST: 677

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800552

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 6-3]			
[Necrosis TGLs = 6-3]			
* Lung		Infiltration Cellular	Lymphocyte, Mild
[Infiltration Cellular TGLs = 9-4]			
Lymph Node	Lumbar, Sinus	Dilatation	Moderate
	Mediastinal, Sinus	Dilatation	Mild
	Renal	Hyperplasia	Lymphoid, Moderate
	Lumbar	Hyperplasia	Lymphoid, Moderate
	Mediastinal	Hyperplasia	Lymphoid, Mild
	Pancreatic	Hyperplasia	Lymphoid, Mild
[Dilatation TGLs = 5-17B]			
[Dilatation TGLs = 8-17C]			
[Hyperplasia TGLs = 4-17A]			
[Hyperplasia TGLs = 5-17B]			
[Hyperplasia TGLs = 8-17C]			
[Hyperplasia TGLs = 2-17]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric	Sinus	Dilatation	Mild
[Dilatation TGLs = 13-11]			
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Moderate
* Prostate		Inflammation	Suppurative, Marked
* Seminal Vesicle		Atrophy	Mild
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLs = 11-2B]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Congestion	Marked
		Hyperplasia	Lymphoid, Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 552

TRT#: 1

SEX: Male

DAY ON TEST: 677

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800552

ORGAN AND ACCOUNTABLE SITE STATUS

[Congestion TGLs = 14-9]		Pigmentation	Moderate
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
[Adenoma TGLs = 1-7B]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - UNCERTAIN

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 611

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800611

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
* Eye	Bilateral	Cataract	Moderate
	Bilateral, Retina	Degeneration	Marked
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 8-8]		
* Liver		Basophilic Focus	Multiple
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 10-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Renal, Sinus	Dilatation	Marked
	Pancreatic	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Dilatation TGLs = 9-17B]		
	[Leukemia Mononuclear TGLs = 4-17]		
	[Leukemia Mononuclear TGLs = 7-17A]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 611

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800611

ORGAN AND ACCOUNTABLE SITE STATUS

	[Leukemia Mononuclear TGLs = 9-17B]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Mild
* Parathyroid Gland			
	Note: TGL 11 - NCL		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Mild
		Inflammation	Suppurative, Marked
		Leukemia Mononuclear	
	[Degeneration TGLs = 1-7]		
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
	[Leukemia Mononuclear TGLs = 1-7]		
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Marked
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
	[Fibrosis TGLs = 5-9]		
	[Leukemia Mononuclear TGLs = 6-9]		
* Stomach, Glandular		Necrosis	Mild
	[Necrosis TGLs = 12-12A]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 2,3-7C+7B]		
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 612

TRT#: 5

SEX: Male

DAY ON TEST: 509

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500800612

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Marked
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		[Degeneration TGLs = 3-3A]	
		[Eosinophilic Focus TGLs = 3-3A]	
		[Leukemia Mononuclear TGLs = 2-3]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular	Sinus	Dilatation	Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 612

TRT#: 5

SEX: Male

DAY ON TEST: 509

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500800612

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Leukemia Mononuclear	
* Prostate	Inflammation	Chronic Active, Mild
* Spleen	Inflammation	Chronic Active, Mild
[Leukemia Mononuclear TGLs = 1-9]	Leukemia Mononuclear	
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 621

TRT#: 5

SEX: Male

DAY ON TEST: 487

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500800621

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|--------------------------|-----------------------------|-------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone, Femur | * Epididymis |
| * Esophagus | * Harderian Gland | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

AUTO PRECLUDES DIAG.

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Bone Marrow | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Eye | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney |
| * Prostate | * Seminal Vesicle | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | |

OBSERVATIONS

- | | | | |
|--|----------------|--------------------------|-------------------------|
| * Adrenal Medulla
Note: TGL 2 - NCL
[Pheochromocytoma Complex TGLs = 1-9A] | | Pheochromocytoma Complex | |
| * Adren Cortex
Note: TGL 2 - NCL | | | |
| * Heart | | Cardiomyopathy | Moderate |
| * Liver | | Clear Cell Focus | |
| Oral Mucosa | Epithelium | Hyperplasia | Minimal |
| * Preputial Gland | | Inflammation | Chronic Active, Minimal |
| * Spleen | | Pigmentation | Mild |
| * Testes | Interstit Cell | Adenoma | |
| * Thymus | | Atrophy | Moderate |

PRIMARY CAUSE OF DEATH - Adrenal Medulla Pheochromocytoma Complex

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 622

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mesenteric | * Nose | * Parathyroid Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--|----------------|---------------------------|---------------------|
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Epididymis | Epithelium | Degeneration | Marked |
| | | Hypospermia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| Note: TGL 6 - NCL | | | |
| * Kidney | Transit Epithe | Hyperplasia | Mild |
| | | Nephropathy | Marked |
| * Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | | Vacuolization Cytoplasmic | Mild |
| Note: TGL 8 - NCL | | | |
| Note: TGL 9 - NCL | | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| Lymph Node | | | |
| Note: TGL 10 - Noted grossly as Lymph node, mediastinal was Tissue NOS | | | |
| * Lymph Node, Mandibular | | Hyperplasia | Lymphoid, Moderate |
| | | Infiltration Cellular | Plasma Cell, Mild |
| * Mammary Gland | | Adenocarcinoma | |
| [Adenocarcinoma TGLs = 1-2A] | | | |
| * Pancreas | | Sarcoma | |
| Note: Undifferentiated | | | |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 622

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800622

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLs = 7-9]	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Adenoma Ectasia Inflammation	Moderate Suppurative, Marked
* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle Note: Undifferentiated	Adventitia	Sarcoma	
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Congestion Hematopoietic Cell Proliferation Hyperplasia	Marked Mild Lymphoid, Mild
* Testes [Adenoma TGLs = 2,3,4-7B+7]	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
* Thymus Note: TGL 5 - NST (Thymus, enlarged - not found at trim)		Atrophy	Marked
* Thyroid Gland Tissue NOS Note: Undifferentiated [Sarcoma TGLs = 10-17]	C Cell Thoracic	Adenoma Sarcoma	

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 631

TRT#: 5

SEX: Male

DAY ON TEST: 709

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500800631

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Brain, Brain Stem		Leukemia Mononuclear	
* Brain, Cerebellum		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 14-1]		
* Brain, Cerebrum		Leukemia Mononuclear	
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
* Eye	Bilateral, Retina	Degeneration	Moderate
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Marked
	[Leukemia Mononuclear TGLs = 8-3]		
	[Vacuolization Cytoplasmic TGLs = 8-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Axillary	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-17]		
	[Leukemia Mononuclear TGLs = 9-17A]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 631

TRT#: 5

SEX: Male

DAY ON TEST: 709

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500800631

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear	TGLs = 11-17C]		
[Leukemia Mononuclear	TGLs = 12-17B]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 10-11]		
* Mammary Gland		Lactation	Minimal
* Pancreas	Acinus	Degeneration	Moderate
		Leukemia Mononuclear	
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Preputial Gland	Acinus	Degeneration	Marked
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
[Degeneration	TGLs = 3-7]		
[Ectasia	TGLs = 3-7]		
[Inflammation	TGLs = 3-7]		
* Prostate		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Atrophy	Marked
* Spinal Cord, Cervical		Hemorrhage	Marked
		Leukemia Mononuclear	
[Hemorrhage	TGLs = 15-5]		
[Leukemia Mononuclear	TGLs = 15-5]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
		Leukemia Mononuclear	
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 4-9]		
* Stomach, Glandular	Epithelium	Hyperplasia	Marked
		Leukemia Mononuclear	
		Necrosis	Moderate
[Hyperplasia	TGLs = 13-12A]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 631

TRT#: 5

SEX: Male

DAY ON TEST: 709

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500800631

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 13-12A]

[Necrosis TGLs = 13-12A]

* Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Degeneration

Marked

[Adenoma TGLs = 6,7-7+7B]

[Degeneration TGLs = 5-7]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 632

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800632

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Skeletal Muscle	* Spinal Cord, Cervical
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Epididymis	Epithelium	Degeneration	Moderate
		Hypospermia	Marked
* Heart		Cardiomyopathy	Moderate
		Leukemia Mononuclear	
* Kidney		Nephropathy	Marked
* Liver		Deformity	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Note: TGL 12 - NCL			
[Deformity TGLs = 10-3A]			
[Leukemia Mononuclear TGLs = 9-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Degeneration	Marked
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Intermed	Adenoma	
* Preputial Gland		Carcinoma	
		Inflammation	Suppurative, Marked
[Carcinoma TGLs = 3-7]			

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 632

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800632

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLs = 3-7]			
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLs = 7-7A]			
* Skin		Basal Cell Adenoma Keratoacanthoma	
[Basal Cell Adenoma TGLs = 2-2B]			
[Keratoacanthoma TGLs = 1-2A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 8-9]			
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
[Adenoma TGLs = 4,5-7B+7]			
[Degeneration TGLs = 6-7]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Note: TGL 11 - NCL			

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 641

TRT#: 5

SEX: Male

DAY ON TEST: 614

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500800641

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Cerebellum |
| * Epididymis | * Esophagus | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Seminal Vesicle | * Skeletal Muscle | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--------------------------|---|----------------------------|-------------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | | Pheochromocytoma Malignant | |
| | [Pheochromocytoma Malignant TGLs = 3-9] | | |
| * Brain, Brain Stem | | Compression | Marked |
| | [Compression TGLs = 6-1A] | | |
| * Brain, Cerebrum | Ventricle | Dilatation | Mild |
| * Eye | Retina | Cataract | Marked |
| | | Degeneration | Marked |
| | [Cataract TGLs = 5-13] | | |
| | [Degeneration TGLs = 5-13] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | Bile Duct | Hyperplasia | Mild |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Moderate |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Mammary Gland | | Lactation | Moderate |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 7-9A] | | |
| * Preputial Gland | Duct | Ectasia | Mild |
| | | Inflammation | Chronic Active, Minimal |
| | [Ectasia TGLs = 2-7] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 641

TRT#: 5

SEX: Male

DAY ON TEST: 614

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500800641

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	[Inflammation TGLs = 2-7]	Inflammation	Suppurative, Mild
* Skin	[Inflammation TGLs = 4-7B]		
* Testes	[Cyst Epithelial Inclusion TGLs = 1-2A]	Cyst Epithelial Inclusion	
* Thymus	Interstit Cell	Hyperplasia	Minimal
		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 642

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500800642

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLs = 3-9]		
* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Hypospermia	Mild
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
Lymph Node	Renal, Sinus	Dilatation	Moderate
	Renal	Hyperplasia	Lymphoid, Mild
	[Dilatation TGLs = 4-17]		
	[Hyperplasia TGLs = 4-17]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5-9A]		
* Preputial Gland		Carcinoma	
	Duct	Ectasia	Marked
	[Carcinoma TGLs = 1-7B]		
	[Ectasia TGLs = 1-7B]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 642

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500800642

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Adenoma	
		Inflammation	Chronic Active, Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Seminif Tub	Degeneration	Mild
Note: TGL 2 - NCL			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Preputial Gland Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 711

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800711

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Skeletal Muscle	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Blood Vessel		Leukemia Mononuclear	
Bone	Vertebra	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 18-17F]		
* Bone Marrow		Leukemia Mononuclear	
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
* Eye	Bilateral, Retina	Degeneration	Mild
		Leukemia Mononuclear	
* Harderian Gland		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Large, Colon		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 25-11]		
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
	[Leukemia Mononuclear TGLs = 9-8]		
	[Nephropathy TGLs = 9-8]		
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7,8-3]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 22,23,24,26-4A+4B+4C+4D]		
Lymph Node	Axillary	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide

CAS Number: 5694-00-8

Date Report Requested: 01/20/2011

Time Report Requested: 12:30:41

First Dose M/F: 05/30/05 / 05/30/05

Lab: NCTR

ANIMAL ID: 711

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800711

ORGAN AND ACCOUNTABLE SITE STATUS

	Renal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-17]		
	[Leukemia Mononuclear TGLs = 10-17A]		
	[Leukemia Mononuclear TGLs = 16-17B]		
	[Leukemia Mononuclear TGLs = 17-17C]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 14-11A]		
* Mammary Gland		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLs = 21-17E]		
Oral Mucosa		Keratin Cyst	
	[Keratin Cyst TGLs = 20-17D]		
* Pancreas	Acinus	Degeneration	Marked
		Leukemia Mononuclear	
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Marked
	[Adenoma TGLs = 19-9A]		
	[Cyst TGLs = 19-9A]		
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Prostate	Epithelium	Hyperplasia	Mild
		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 711

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800711

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Atrophy	Marked
* Skin		Leukemia Mononuclear	
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4,5,6-9]		
* Stomach, Forestomach		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 12,13-7B]		
	[Degeneration TGLs = 11-7B]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicular Cel	Adenoma	

Animal Note: TGL 15 - NST (Cavity, thoracic, fluid)

Animal Note: TGL 20 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 712

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800712

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skeletal Muscle | * Spinal Cord, Cervical | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|-----------------------------|-------------|-----------------------------|-----------------------|
| * Brain, Cerebrum | | Mineralization | Minimal |
| * Epididymis | Epithelium | Degeneration | Marked |
| | | Hypospermia | Marked |
| | | Mesothelioma Malignant | |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Marked |
| * Lymph Node, Mandibular | | Hyperplasia | Lymphoid, Mild |
| | | Infiltration Cellular | Plasma Cell, Moderate |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Preputial Gland | Acinus | Degeneration | Moderate |
| | Duct | Ectasia | Marked |
| | | Inflammation | Suppurative, Marked |
| | | [Degeneration TGLs = 2-7] | |
| | | [Ectasia TGLs = 2-7] | |
| | | [Inflammation TGLs = 2-7] | |
| * Prostate | Epithelium | Hyperplasia | Marked |
| * Seminal Vesicle | | Atrophy | Marked |
| * Skin | Subcut Tiss | Lipoma | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 712

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800712

ORGAN AND ACCOUNTABLE SITE STATUS

[Lipoma TGLs = 1-2A]

* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
Note: TGL 5 - NCL			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
[Adenoma TGLs = 3,4-7B+7]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 721

TRT#: 2

SEX: Male

DAY ON TEST: 725

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800721

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Brain, Brain Stem		Compression	Mild
[Compression TGLs = 18-1A]			
Ear		Neural Crest Tumor	
[Neural Crest Tumor TGLs = 17-17C]			
* Epididymis		Mesothelioma Malignant	
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
		Thrombosis	Marked
[Thrombosis TGLs = 15-2]			
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Mixed Cell Focus	
Note: TGL 11 - NCL			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 16-4]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 10-17]			

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 721

TRT#: 2

SEX: Male

DAY ON TEST: 725

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800721

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 12-17A]			
[Leukemia Mononuclear TGLs = 14-17B]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Lymph Node, Mesenteric	Sinus	Dilatation	Mild
		Leukemia Mononuclear	
[Dilatation TGLs = 20-11]			
[Leukemia Mononuclear TGLs = 20-11]			
* Mammary Gland		Galactocele	Marked
[Galactocele TGLs = 1,2,3,4,5,6-2A+2B+2C+2D+2E+2F]			
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 19-9B]			
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Moderate
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Suppurative, Moderate
* Seminal Vesicle		Atrophy	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLs = 9-9A]			
[Leukemia Mononuclear TGLs = 8-9]			
* Testes	Seminif Tub	Degeneration	Mild
	Interstit Cell	Hyperplasia	Mild
[Degeneration TGLs = 7-7]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: TGL 13 - NST (Cavity, thoracic, fluid)

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 722

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800722

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Metaplasia	Osseous, Moderate
* Bone Marrow		Histiocytic Sarcoma	
* Epididymis	Epithelium	Degeneration	Moderate
		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLs = 22-12A]		
* Kidney		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLs = 9,10,11,12-8A+8B+8C+8D]	Nephropathy	Moderate
* Liver		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLs = 20,21-3+3A+3B]		
* Lung		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLs = 17,18-4A+4]		
Lymph Node	Renal	Histiocytic Sarcoma	
	Pancreatic	Histiocytic Sarcoma	
	Mediastinal	Histiocytic Sarcoma	
Note: TGL 14 - Noted grossly as Lymph node, renal was Lymph node, pancreatic			
	[Histiocytic Sarcoma TGLs = 13-17]		
	[Histiocytic Sarcoma TGLs = 14-17A]		
	[Histiocytic Sarcoma TGLs = 16-17B]		
* Lymph Node, Mandibular		Histiocytic Sarcoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 722

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800722

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Histiocytic Sarcoma	
* Mammary Gland		Fibroadenoma	
		Fibrosis	Marked
	[Fibroadenoma TGLs = 24-2D]		
	[Fibrosis TGLs = 2-2B]		
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLs = 19-9A]		
* Preputial Gland	Acinus	Degeneration	Moderate
		Inflammation	Suppurative, Mild
* Prostate		Histiocytic Sarcoma	
		Inflammation	Suppurative, Mild
* Seminal Vesicle		Atrophy	Marked
	[Atrophy TGLs = 6-7A]		
* Skin		Cyst Epithelial Inclusion	
	Subcut Tiss	Schwannoma Malignant	
	Note: TGL 3 also located on slide 17D with TGL 23		
	[Cyst Epithelial Inclusion TGLs = 3-2C+17D]		
	[Schwannoma Malignant TGLs = 1-2A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spleen		Histiocytic Sarcoma	
		Pigmentation	Mild
	[Histiocytic Sarcoma TGLs = 7,8-9]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 4,5-7B]		
* Thymus		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLs = 15-10]		
Tissue NOS		Histiocytic Sarcoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 722

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800722

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 23 located on slide 17C only

[Histiocytic Sarcoma TGLs = 23-17C]

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 731

TRT#: 2

SEX: Male

DAY ON TEST: 586

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800731

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Blood Vessel | * Brain, Brain Stem | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Mammary Gland | * Nose |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--|------------------------|----------------------|----------|
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone, Femur | | Osteopetrosis | Moderate |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | Epithelium | Degeneration | Moderate |
| | | Hypospermia | Marked |
| Note: TGL 5 also located on slide 7A with the routine Epididymis section | | | |
| | [Degeneration | TGLs = 5-7D+7A] | |
| | [Hypospermia | TGLs = 5-7D+7A] | |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| * Intestine Large, Cecum | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Mild |
| | | Pigmentation | Mild |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear | TGLs = 7-3] | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | [Leukemia Mononuclear | TGLs = 9-17] | |
| * Lymph Node, Mandibular | Sinus | Dilatation | Mild |
| | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide

CAS Number: 5694-00-8

Date Report Requested: 01/20/2011

Time Report Requested: 12:30:41

First Dose M/F: 05/30/05 / 05/30/05

Lab: NCTR

ANIMAL ID: 731

TRT#: 2

SEX: Male

DAY ON TEST: 586

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800731

ORGAN AND ACCOUNTABLE SITE STATUS

	[Dilatation TGLs = 2-10+10A+10C]		
	[Leukemia Mononuclear TGLs = 2-10+10A+10C]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 8-11]		
* Pancreas	Acinus	Degeneration	Moderate
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Moderate
		Inflammation	Suppurative, Moderate
	[Degeneration TGLs = 1-7B]		
	[Ectasia TGLs = 1-7B]		
	[Inflammation TGLs = 1-7B]		
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spinal Cord, Cervical		Leukemia Mononuclear	
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-9]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic Active, Moderate
		Ulcer	Marked
	[Hyperplasia TGLs = 10-12A]		
	[Inflammation TGLs = 10-12A]		
	[Ulcer TGLs = 10-12A]		
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 3-7C]		
	[Degeneration TGLs = 4-7]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 731

TRT#: 2

SEX: Male

DAY ON TEST: 586

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800731

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Leukemia Mononuclear

Note: Also located on slide 10B

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 732

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800732

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
* Heart	Ventricle	Dilatation	Marked
		Thrombosis	Marked
	[Thrombosis TGLs = 8-2]		
* Kidney		Nephropathy	Moderate
* Liver	Hepatocyte	Degeneration	Marked
		Degeneration	Cystic, Moderate
	Bile Duct	Eosinophilic Focus	
		Hyperplasia	Marked
		Infiltration Cellular	Lymphocyte, Moderate
		Necrosis	Moderate
Note: TGL 6 - NCL			
	[Degeneration TGLs = 9-3]		
	[Degeneration TGLs = 4,5-3A+3B]		
	[Eosinophilic Focus TGLs = 4,5-3A+3B]		
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Marked
	[Hyperplasia TGLs = 7-17]		
* Mammary Gland		Lactation	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 732

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800732

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Moderate
		Inflammation	Chronic Active, Mild
	[Degeneration TGLs = 1-7]		
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle		Atrophy	Moderate
* Skin			
Note: TGL 10 - NCL			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Mild
		Pigmentation	Mild
	[Fibrosis TGLs = 3-9]		
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Degeneration TGLs = 2-7]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 741

TRT#: 2

SEX: Male

DAY ON TEST: 682

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800741

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Epididymis	Epithelium	Degeneration	Moderate
		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Degeneration	Cystic, Mild
	Bile Duct	Eosinophilic Focus	Multiple
		Hyperplasia	Moderate
		Leukemia Mononuclear	
		Mineralization	Minimal
	[Leukemia Mononuclear TGLs = 5-3]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,6-2A+2B]		
* Pancreas	Acinus	Degeneration	Moderate
* Preputial Gland		Adenoma	
	Acinus	Degeneration	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 741

TRT#: 2

SEX: Male

DAY ON TEST: 682

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800741

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Suppurative, Marked
* Seminal Vesicle		Adenoma	
* Spinal Cord, Cervical	Axon	Atrophy	Moderate
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
* Spleen		Degeneration	Minimal
	[Leukemia Mononuclear TGLs = 4-9]	Leukemia Mononuclear	
* Testes	Interstitial Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 2-7B]		
	[Degeneration TGLs = 3-7]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 742

TRT#: 2

SEX: Male

DAY ON TEST: 632

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800742

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Schwannoma Malignant	
* Kidney		Hyaline Droplet	Moderate
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 7,8-3]		
Lymph Node	Axillary	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 1-17]		
[Leukemia Mononuclear	TGLs = 5-17A]		
[Leukemia Mononuclear	TGLs = 6-17B]		
[Leukemia Mononuclear	TGLs = 9-17C]		
[Leukemia Mononuclear	TGLs = 10-17D]		
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 742

TRT#: 2

SEX: Male

DAY ON TEST: 632

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800742

ORGAN AND ACCOUNTABLE SITE STATUS

	[Leukemia Mononuclear TGLs = 2-10+10A+10B]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 12,13-2A+2B]		
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 11-9A]		
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Suppurative, Mild
	[Ectasia TGLs = 3-7]		
	[Inflammation TGLs = 3-7]		
* Prostate		Inflammation	Chronic Active, Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-9]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 751

TRT#: 2

SEX: Male

DAY ON TEST: 698

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800751

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebrum	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Seminal Vesicle
* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain, Cerebellum		Leukemia Mononuclear	
* Epididymis		Hypospermia	Mild
		Mesothelioma Malignant	
* Eye	Bilateral, Retina	Degeneration	Moderate
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Degeneration TGLs = 6-3]		
	[Hyperplasia TGLs = 6-3]		
	[Leukemia Mononuclear TGLs = 6-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-17]		
	[Leukemia Mononuclear TGLs = 7-17A]		
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 751

TRT#: 2

SEX: Male

DAY ON TEST: 698

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800751

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 2-10+10A]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Mild
* Pancreas	Acinus	Degeneration	Mild
* Parathyroid Gland			
Note: RC attempted			
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLs = 8-9]			
[Leukemia Mononuclear TGLs = 8-9]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLs = 1-7B]			
* Prostate		Adenoma	
		Inflammation	Suppurative, Mild
* Salivary Glands		Leukemia Mononuclear	
* Skin		Cyst Epithelial Inclusion	
		Fibrosis	Marked
		Inflammation	Chronic, Marked
[Cyst Epithelial Inclusion TGLs = 9-2A]			
[Fibrosis TGLs = 10-2B]			
[Inflammation TGLs = 9-2A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
		Leukemia Mononuclear	
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLs = 4-9]			
[Leukemia Mononuclear TGLs = 3-9]			
* Testes	Seminif Tub	Degeneration	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 751

TRT#: 2

SEX: Male

DAY ON TEST: 698

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800751

ORGAN AND ACCOUNTABLE SITE STATUS

Mesothelioma Malignant

Leukemia Mononuclear

* Thymus

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 752

TRT#: 2

SEX: Male

DAY ON TEST: 684

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800752

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-----------------------------|------------------------------|-----------------------------------|---------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | |
| * Bone Marrow | | Hyperplasia | Mild |
| * Epididymis | Epithelium | Degeneration | Moderate |
| | | Hypospermia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Cyst | Moderate |
| | | Nephropathy | Mild |
| * Liver | | Degeneration | Cystic, Mild |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Moderate |
| | | Vacuolization Cytoplasmic | Mild |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 1-2A] | | |
| * Nose | Nasopharyn Dct | Hyperkeratosis | Marked |
| | Nasopharyn Dct | Inflammation | Suppurative, Marked |
| * Pancreas | Acinus | Degeneration | Minimal |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Preputial Gland | Acinus | Degeneration | Moderate |
| | Duct | Ectasia | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 752

TRT#: 2

SEX: Male

DAY ON TEST: 684

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800752

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	Epithelium	Inflammation Hyperplasia Inflammation	Suppurative, Marked Mild Chronic Active, Mild
* Seminal Vesicle		Atrophy	Marked
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
[Adenoma TGLs = 2,3-7B+7]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 861

TRT#: 3

SEX: Male

DAY ON TEST: 578

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800861

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Lung	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Metaplasia	Osseous, Marked
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign	TGLs = 4-9]		
* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Hypospermia	Mild
	Adventitia	Schwannoma Malignant	
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum	Serosa	Schwannoma Malignant	
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Hemorrhage	Marked
	Bile Duct	Hyperplasia	Moderate
		Necrosis	Marked
[Hemorrhage	TGLs = 6-17]		
[Hyperplasia	TGLs = 6-17]		
[Necrosis	TGLs = 6-17]		
Lymph Node	Mediastinal, Sinus	Dilatation	Mild
	Mediastinal	Pigmentation	Mild
[Dilatation	TGLs = 8-17B]		
[Pigmentation	TGLs = 8-17B]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 861

TRT#: 3

SEX: Male

DAY ON TEST: 578

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800861

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular	Sinus	Dilatation Hyperplasia	Mild Lymphoid, Minimal
[Dilatation TGLs = 1-10+10A]			
[Hyperplasia TGLs = 1-10+10A]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
Mesentery			
Note: TGL 6 - Noted grossly as Mesentery was Liver			
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Preputial Gland	Duct	Ectasia Inflammation Squamous Cell Carcinoma	Marked Suppurative, Marked
[Ectasia TGLs = 2-7B]			
[Inflammation TGLs = 2-7B]			
[Squamous Cell Carcinoma TGLs = 2-7B]			
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Hematopoietic Cell Proliferation Hyperplasia	Marked Lymphoid, Moderate
[Hematopoietic Cell Proliferation TGLs = 3-9]			
[Hyperplasia TGLs = 3-9]			
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
[Adenoma TGLs = 5-7]			
[Degeneration TGLs = 5-7]			
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tissue NOS			
[Schwannoma Malignant TGLs = 7-17A]			

PRIMARY CAUSE OF DEATH - Intestine Small, Ileum Serosa Schwannoma Malignant

Animal Note: TGL 7 - Noted grossly as Cavity, abdominal was Tissue NOS

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 862

TRT#: 3

SEX: Male

DAY ON TEST: 535

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800862

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|-----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Epididymis | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver |
| * Lung | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--|---------------|---------------------------|-------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Brain, Brain Stem | | Compression | Moderate |
| [Compression TGLs = 2-1] | | | |
| * Brain, Cerebellum | Ventricle | Dilatation | Mild |
| * Brain, Cerebrum | Ventricle | Dilatation | Mild |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Moderate |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Mammary Gland | | Lactation | Mild |
| Note: TGL 1 - Noted grossly as Mammary gland was Preputial gland | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLs = 3-9] | | | |
| * Preputial Gland | | Carcinoma | |
| [Carcinoma TGLs = 1-2A] | | | |
| * Prostate | | Inflammation | Suppurative, Mild |
| * Spinal Cord, Lumbar | Nerve | Degeneration | Minimal |
| * Spleen | | Pigmentation | Mild |
| * Thymus | | Atrophy | Marked |

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 871

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800871

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Moderate
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
* Heart		Schwannoma Malignant	
		Thrombosis	Marked
	[Schwannoma Malignant TGLs = 8-2]		
* Kidney		Nephropathy	Marked
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
	[Leukemia Mononuclear TGLs = 6-3]	Leukemia Mononuclear	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 7-9A]		
* Preputial Gland	Acinus	Degeneration	Marked
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 871

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800871

ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLs = 1-7B]			
[Ectasia TGLs = 1-7B]			
[Inflammation TGLs = 1-7B]			
* Seminal Vesicle		Atrophy	Marked
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLs = 5-9]			
[Leukemia Mononuclear TGLs = 4-9]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
[Adenoma TGLs = 2-7]			
[Degeneration TGLs = 3-7]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 872

TRT#: 3

SEX: Male

DAY ON TEST: 670

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800872

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Blood Vessel | * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--------------------------|--------------------------------------|---------------------------|----------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| | | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | Epithelium | Degeneration | Marked |
| | | Hypospermia | Marked |
| * Eye | Retina | Degeneration | Mild |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| | | Thrombosis | Marked |
| | [Thrombosis TGLs = 5-2] | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | Hepatocyte | Degeneration | Marked |
| | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Marked |
| | [Degeneration TGLs = 6-3] | | |
| | [Leukemia Mononuclear TGLs = 6-3] | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 1-10] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 872

TRT#: 3

SEX: Male

DAY ON TEST: 670

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800872

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Preputial Gland	Acinus	Degeneration	Moderate
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-9]		
* Testes	Interstitial Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 3-7B]		
	[Degeneration TGLs = 2-7+7B]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 881

TRT#: 3

SEX: Male

DAY ON TEST: 723

DOSE: 0.175 GLYCID

DISP: Natural Death

HISTO: 021500800881

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-------------------|-------------------------|-----------------------|-------------------------|
| * Blood Vessel | * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Harderian Gland | * Islets, Pancreatic |
| * Lung | * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Mammary Gland

AUTO PRECLUDES DIAG.

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Bone Marrow | * Eye | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mesenteric | * Peripheral Nerve, Sciatic | * Stomach, Forestomach | * Stomach, Glandular |

OBSERVATIONS

- | | | | |
|--------------------------|---|----------------------------|---------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | | Pheochromocytoma Malignant | |
| | [Pheochromocytoma Malignant TGLs = 3-9] | | |
| * Epididymis | | Exfoliated Germ Cell | Mild |
| * Heart | | Cardiomyopathy | Mild |
| | | Thrombosis | Marked |
| | [Thrombosis TGLs = 5-2A] | | |
| * Kidney | | Nephropathy | Marked |
| | [Nephropathy TGLs = 4-8] | | |
| * Liver | | Congestion | Moderate |
| | Hepatocyte | Degeneration | Moderate |
| | Bile Duct | Hyperplasia | Moderate |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Marked |
| * Mammary GI | | | |
| | Note: RC attempted | | |
| * Nose | | Inflammation | Suppurative, Mild |
| | Mucosa | Squamous Cell Carcinoma | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 881

TRT#: 3

SEX: Male

DAY ON TEST: 723

DOSE: 0.175 GLYCID

DISP: Natural Death

HISTO: 021500800881

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Due to the site of oral mucosa not being available the site of mucosa was used.

* Pancreas	Acinus	Degeneration	Marked
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 6-9B]		
* Preputial Gland		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLs = 1-7]		
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Hyperplasia	Stromal, Moderate
		Pigmentation	Marked
	[Hyperplasia TGLs = 2-9A]		
* Testes	Seminif Tub	Degeneration	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 882

TRT#: 3

SEX: Male

DAY ON TEST: 498

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800882

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
	[Infiltration Cellular TGLs = 1-10A+10B]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland	Acinus	Degeneration	Mild
		Inflammation	Suppurative, Marked
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Congestion	Marked
	[Congestion TGLs = 2-9A]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLs = 3-7B]		
* Thymus		Atrophy	Marked
Tongue		Squamous Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 882

TRT#: 3

SEX: Male

DAY ON TEST: 498

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800882

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Carcinoma TGLs = 4-17]

PRIMARY CAUSE OF DEATH - Tongue Squamous Cell Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 891

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800891

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Marked
		Pheochromocytoma Malignant	
	[Pheochromocytoma Malignant TGLs = 6-9]		
* Bone Marrow		Hyperplasia	Mild
* Brain, Brain Stem		Compression	Moderate
	[Compression TGLs = 8-1A]		
* Epididymis	Epithelium	Degeneration	Mild
		Hypospermia	Marked
* Eye	Sclera	Metaplasia	Osseous, Mild
* Harderian Gland		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Mineralization	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
	[Leukemia Mononuclear TGLs = 7-8]		
	[Nephropathy TGLs = 7-8]		
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
Note: TGL 10 - NCL			
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 11-17A]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 891

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800891

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Histiocyte, Marked
* Mammary Gland		Adenoma	
		Galactocele	Marked
	[Adenoma TGLs = 2-2A]		
	[Galactocele TGLs = 2-2A]		
* Pancreas	Acinus	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 9-9]		
* Preputial Gland		Adenoma	
	Duct	Ectasia	Marked
	[Adenoma TGLs = 1-7]		
	[Ectasia TGLs = 1-7]		
* Prostate		Inflammation	Suppurative, Marked
* Seminal Vesicle	Lumen	Dilatation	Mild
	[Dilatation TGLs = 4-7A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-9]		
* Testes	Seminif Tub	Degeneration	Marked
	[Degeneration TGLs = 3-7]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 892

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800892

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Blood Vessel | * Bone, Femur | * Esophagus | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Eye

OBSERVATIONS

- | | | | |
|---|------------|---------------------------|------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Brain Stem | | Compression | Moderate |
| [Compression TGLs = 7-1] | | | |
| * Brain, Cerebellum | Ventricle | Dilatation | Moderate |
| * Brain, Cerebrum | Ventricle | Dilatation | Moderate |
| * Epididymis | Epithelium | Degeneration | Moderate |
| | | Hypospermia | Marked |
| [Degeneration TGLs = 3-7A] | | | |
| * Eye | | | |
| Note: No RC/WT per pathologist; not found at trim | | | |
| * Heart | | Schwannoma Malignant | |
| * Kidney | | Nephropathy | Marked |
| * Liver | | Degeneration | Cystic, Moderate |
| | | Eosinophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | | Pigmentation | Moderate |
| [Leukemia Mononuclear TGLs = 5-3] | | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 892

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800892

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland	Alveolus	Hyperplasia	Moderate
		Lactation	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 6-9A]			
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Moderate
		Inflammation	Suppurative, Moderate
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4-9]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
[Adenoma TGLs = 1-7]			
[Degeneration TGLs = 2-7]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Adenoma	
	C Cell	Hyperplasia	Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 901

TRT#: 3

SEX: Male

DAY ON TEST: 614

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800901

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain, Brain Stem		Compression	Marked
	[Compression TGLs = 6-1A]		
* Brain, Cerebellum	Ventricle	Dilatation	Mild
* Brain, Cerebrum	Ventricle	Dilatation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Marked
* Liver		Deformity	
	[Deformity TGLs = 8-3A]	Inflammation	Chronic Active, Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 7-4A]		
* Lymph Node, Mandibular	Sinus	Dilatation	Mild
	[Dilatation TGLs = 2-10+10A]	Infiltration Cellular	Plasma Cell, Moderate
	[Infiltration Cellular TGLs = 2-10+10A]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Galactocele	Moderate
		Lactation	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 901

TRT#: 3

SEX: Male

DAY ON TEST: 614

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800901

ORGAN AND ACCOUNTABLE SITE STATUS

[Galactoceles TGLs = 1-7B]

[Lactation TGLs = 3-2A]

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLs = 5-9A]

* Preputial Gland

Note: TGL 1 - Noted grossly as Preputial gland was Mammary gland

* Sem Ves

Note: TGL 4 - NCL

* Spinal Cord, Lumbar

Nerve

Degeneration

Minimal

* Spleen

Pigmentation

Moderate

* Thymus

Note: RC/WT attempted

* Thyroid Gland

Follicular Cel

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 902

TRT#: 3

SEX: Male

DAY ON TEST: 572

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800902

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Pituitary Gland | * Salivary Glands | * Skeletal Muscle |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|---|----------------|--|--|
| * Epididymis | Epithelium | Degeneration
Hypospermia | Mild
Moderate |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | Bile Duct | Eosinophilic Focus
Hyperplasia
Inflammation
Infiltration Cellular | Multiple
Mild
Chronic Active, Minimal
Plasma Cell, Mild |
| * Lymph Node, Mandibular | | | |
| * Mammary GI | | | |
| Note: TGL 1 - Noted grossly as Mammary gland was Skin | | | |
| * Preputial Gland | | Inflammation | Suppurative, Moderate |
| * Prostate | | Inflammation | Suppurative, Minimal |
| * Seminal Vesicle | | Atrophy | Moderate |
| [Atrophy TGLs = 3-7A] | | | |
| * Skin | Subcut Tiss | Lipoma | |
| [Lipoma TGLs = 1-2A] | | | |
| * Spleen | | Pigmentation | Mild |
| * Testes | Interstit Cell | Adenoma | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 902

TRT#: 3

SEX: Male

DAY ON TEST: 572

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800902

ORGAN AND ACCOUNTABLE SITE STATUS

Seminif Tub

Degeneration

Moderate

[Adenoma TGLs = 2-7B]

* Thymus

Note: RC attempted

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Lipoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 961

TRT#: 4

SEX: Male

DAY ON TEST: 559

DOSE: 0.0875 GLYCID

DISP: Natural Death

HISTO: 021500800961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Epididymis
* Esophagus	* Harderian Gland	* Islets, Pancreatic	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Forestomach

AUTO PRECLUDES DIAG.

* Bone Marrow	* Eye	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose
* Seminal Vesicle	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Brain, Brain Stem		Leukemia Mononuclear	
* Brain, Cerebellum		Leukemia Mononuclear	
* Brain, Cerebrum		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Colon		Leukemia Mononuclear	
	[Adenocarcinoma TGLs = 5-11A]	Adenocarcinoma	
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-3]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Prostate		Adenoma	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-9A]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2-7]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 961

TRT#: 4

SEX: Male

DAY ON TEST: 559

DOSE: 0.0875 GLYCID

DISP: Natural Death

HISTO: 021500800961

ORGAN AND ACCOUNTABLE SITE STATUS

* Urinary Bladder

Lumen

Dilatation

Moderate

[Dilatation TGLs = 1-8A]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 962

TRT#: 4

SEX: Male

DAY ON TEST: 641

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver	Hepatocyte	Degeneration	Marked
		Degeneration	Cystic, Marked
	Bile Duct	Eosinophilic Focus	Multiple
		Hyperplasia	Marked
		Leukemia Mononuclear	
Note: TGL 4 - NCL			
Note: TGL 5 - NCL			
Note: TGL 6 - NCL			
[Degeneration TGLs = 7-3]			
[Degeneration TGLs = 3-3A]			
[Eosinophilic Focus TGLs = 3,7-3A+3]			
[Leukemia Mononuclear TGLs = 7-3]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 962

TRT#: 4

SEX: Male

DAY ON TEST: 641

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800962

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLs = 8-17]			
[Leukemia Mononuclear TGLs = 8-17]			
* Lymph Node, Mandibular	Sinus	Dilatation Infiltration Cellular	Moderate Plasma Cell, Moderate
[Dilatation TGLs = 1-10A]			
[Infiltration Cellular TGLs = 1-10A]			
* Lymph Node, Mesenteric	Sinus	Dilatation Hemorrhage	Moderate Moderate
[Dilatation TGLs = 10-11]			
[Hemorrhage TGLs = 10-11]			
* Mammary Gland		Lactation	Mild
Oral Mucosa		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLs = 11-17A]			
* Pancreas	Acinus	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 9-9A]			
* Prostate		Inflammation	Suppurative, Moderate
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 2-9]			
* Testes	Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL 11 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 971

TRT#: 4

SEX: Male

DAY ON TEST: 624

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Nose	* Peripheral Nerve, Sciatic
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain, Brain Stem		Compression	Mild
		Hemorrhage	Mild
		Necrosis	Mild
	[Compression TGLs = 6-1A]		
	[Hemorrhage TGLs = 6-1A]		
	[Necrosis TGLs = 6-1A]		
* Heart		Cardiomyopathy	Mild
* Kidney		Hydronephrosis	Minimal
		Nephropathy	Marked
	[Hydronephrosis TGLs = 8-8]		
	[Nephropathy TGLs = 7-8]		
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Lactation	Mild
* Pancreas	Acinus	Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 971

TRT#: 4

SEX: Male

DAY ON TEST: 624

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800971

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland			
Note: RC attempted			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 5-9]			
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Suppurative, Mild
* Prostate		Inflammation	Suppurative, Marked
[Inflammation TGLs = 2,3-7B]			
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
* Spleen		Accessory Spleen	
		Pigmentation	Moderate
[Accessory Spleen TGLs = 1-9]			
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLs = 4-6]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 972

TRT#: 4

SEX: Male

DAY ON TEST: 468

DOSE: 0.0875 GLYCID

DISP: Natural Death

HISTO: 021500800972

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------|-----------------------------|-------------------|-------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone, Femur | * Epididymis |
| * Harderian Gland | * Islets, Pancreatic | * Mammary Gland | * Nose |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Skeletal Muscle |
| * Skin | * Stomach, Forestomach | | |

AUTO PRECLUDES DIAG.

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone Marrow | * Esophagus | * Eye | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Kidney | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Pancreas | * Salivary Glands | * Seminal Vesicle | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Glandular | * Testes |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--|-----------|-------------------------|--------------------------|
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Brain, Brain Stem | | Leukemia Mononuclear | |
| * Brain, Cerebellum | | Leukemia Mononuclear | |
| * Brain, Cerebrum | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| | | Thrombosis | Moderate |
| Note: TGL 4 located on slide 2A only
[Thrombosis TGLs = 4-2A] | | | |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 2-3] | | | |
| * Lung | | Leukemia Mononuclear | |
| * Preputial Gland | Acinus | Degeneration | Moderate |
| | | Inflammation | Chronic Active, Mild |
| * Prostate | | Inflammation | Chronic Active, Moderate |
| * Spleen | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 1-9] | | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 972

TRT#: 4

SEX: Male

DAY ON TEST: 468

DOSE: 0.0875 GLYCID

DISP: Natural Death

HISTO: 021500800972

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Note: TGL 5 - NCL

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 3-10]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 981

TRT#: 4

SEX: Male

DAY ON TEST: 649

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla Note: TGL 9 - NCL		Hyperplasia	Mild
* Adren Cortex Note: TGL 9 - NCL			
* Bone, Femur		Fibrous Osteodystrophy	Marked
* Bone Marrow		Leukemia Mononuclear	
* Epididymis	Epithelium	Degeneration	Moderate
		Hypospermia	Moderate
* Heart Note: TGL 11 - NCL [Leukemia Mononuclear TGLs = 10-2B]		Leukemia Mononuclear	
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: TGL 8 - NCL			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-17A]		
	[Leukemia Mononuclear TGLs = 12-17B]		
* Lymph Node, Mandibular	Sinus	Dilatation	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 981

TRT#: 4

SEX: Male

DAY ON TEST: 649

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800981

ORGAN AND ACCOUNTABLE SITE STATUS

Leukemia Mononuclear

[Dilatation TGLs = 3-10+10A]

[Leukemia Mononuclear TGLs = 3-10+10A]

* Lymph Node, Mesenteric
 Mesentery

Leukemia Mononuclear
 Leukemia Mononuclear
 Necrosis

Marked

Fat

[Leukemia Mononuclear TGLs = 4-17]

[Necrosis TGLs = 4-17]

* Pancreas

Acinus

Degeneration

Mild

* Peripheral Nerve, Sciatic

Axon

Degeneration

Minimal

* Preputial Gland

Acinus

Degeneration

Moderate

Duct

Ectasia

Marked

[Degeneration TGLs = 2-7]

[Ectasia TGLs = 2-7]

* Prostate

Epithelium

Hyperplasia
 Inflammation

Minimal
 Chronic Active, Minimal

* Seminal Vesicle

Atrophy

Moderate

* Skin

Cyst Epithelial Inclusion

[Cyst Epithelial Inclusion TGLs = 1-2A]

* Spinal Cord, Lumbar

Nerve

Degeneration

Minimal

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 7-9]

* Testes

Bilateral, Interstit Cell
 Seminif Tub

Adenoma
 Degeneration

Marked

[Adenoma TGLs = 5-7+7B]

* Thymus

Atrophy

Marked

Tongue

Inflammation

Suppurative, Marked

Squamous Cell Papilloma

[Inflammation TGLs = 13-17C]

[Squamous Cell Papilloma TGLs = 13-17C]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 982

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Blood Vessel | * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | |
|---|---------------------------|------------------|
| * Adrenal Cortex | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | Leukemia Mononuclear | |
| * Bone Marrow | Atrophy | Marked |
| * Epididymis | Hypospermia | Moderate |
| * Heart | Cardiomyopathy | Mild |
| | Thrombosis | Marked |
| [Thrombosis TGLs = 4-2] | | |
| * Islets, Pancreatic | Fibrosis | Moderate |
| | Hyperplasia | Moderate |
| [Fibrosis TGLs = 1-17] | | |
| [Hyperplasia TGLs = 1-17] | | |
| * Kidney | Nephropathy | Moderate |
| * Liver | Basophilic Focus | Multiple |
| | Degeneration | Cystic, Moderate |
| | Hyperplasia | Marked |
| | Leukemia Mononuclear | |
| | Necrosis | Marked |
| [Leukemia Mononuclear TGLs = 3-3] | | |
| [Necrosis TGLs = 3-3] | | |
| * Lung | Infiltration Cellular | Histiocyte, Mild |
| Lymph Node | | |
| Note: TGL 1 - Noted grossly as Lymph node, pancreatic was Islets pancreas | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 982

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800982

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
* Preputial Gland	Acinus	Degeneration	Moderate
		Inflammation	Suppurative, Mild
* Prostate		Inflammation	Suppurative, Moderate
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
	Nerve	Gliosis	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Marked
* Testes	Seminif Tub	Degeneration	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland			

Note: TGL 2 - NCL

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 991

TRT#: 4

SEX: Male

DAY ON TEST: 648

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Blood Vessel | * Bone, Femur | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Mammary Gland | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Prostate |
| * Salivary Glands | * Skeletal Muscle | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--------------------------|--------------------------------------|---------------------------|--------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Brain Stem | | Leukemia Mononuclear | |
| * Brain, Cerebellum | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 9-1A] | | |
| * Brain, Cerebrum | | Leukemia Mononuclear | |
| * Epididymis | | Hypospermia | Marked |
| * Heart | Atrium | Dilatation | Marked |
| | | Leukemia Mononuclear | |
| | [Dilatation TGLs = 7-2] | | |
| | [Leukemia Mononuclear TGLs = 7-2] | | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| * Liver | | Degeneration | Cystic, Moderate |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | [Degeneration TGLs = 6-3] | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Hyperplasia | Lymphoid, Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 991

TRT#: 4

SEX: Male

DAY ON TEST: 648

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800991

ORGAN AND ACCOUNTABLE SITE STATUS

	[Hyperplasia TGLs = 2-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Goblet Cell	Hyperplasia	Moderate
		Inflammation	Suppurative, Moderate
* Pancreas	Acinar Cell	Adenoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Hyperplasia TGLs = 8-9A]		
	[Leukemia Mononuclear TGLs = 8-9A]		
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
	[Degeneration TGLs = 1-7]		
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Seminal Vesicle		Atrophy	Marked
	[Atrophy TGLs = 4-7A]		
* Skin		Fibrosis	Marked
	[Fibrosis TGLs = 10-2A]		
* Spinal Cord, Cervical		Leukemia Mononuclear	
* Spinal Cord, Lumbar		Leukemia Mononuclear	
* Spinal Cord, Thoracic		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-9]		
* Testes	Interstitial Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 3-7B]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 992

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800992

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Prostate	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
* Liver	Bile Duct	Eosinophilic Focus	
		Hyperplasia	Moderate
		Vacuolization Cytoplasmic	Moderate
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Plasma Cell, Moderate
			[Hyperplasia TGLs = 2-10+10A]
			[Infiltration Cellular TGLs = 2-10+10A]
* Pancreas	Acinus	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic Active, Mild
			[Ectasia TGLs = 1-7]
			[Inflammation TGLs = 1-7]
* Seminal Vesicle		Atrophy	Marked
			[Atrophy TGLs = 5-7A]
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 992

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800992

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hyperplasia	Lymphoid, Mild
		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 3,4-7+7B]		
* Thymus		Atrophy	Marked
* Thyroid GI			
Note: TGL 6 - NCL			

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1001

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Nose | * Salivary Glands |
| * Seminal Vesicle | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |

OBSERVATIONS

- | | | | |
|--------------------------|-----------------------------------|---------------------------|-------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Brain, Brain Stem | | Compression | Minimal |
| | [Compression TGLs = 10-1A] | | |
| * Epididymis | | Hypospermia | Marked |
| * Heart | | Cardiomyopathy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Moderate |
| * Kidney | | Nephropathy | Marked |
| * Liver | | Basophilic Focus | |
| | | Degeneration | Cystic, Mild |
| | Bile Duct | Hyperplasia | Moderate |
| | | Pigmentation | Moderate |
| * Lung | Alveolar Epith | Hyperplasia | Mild |
| | [Hyperplasia TGLs = 8-4A] | | |
| Lymph Node | Sinus | Dilatation | Marked |
| | [Dilatation TGLs = 7-17] | | |
| * Lymph Node, Mandibular | Sinus | Dilatation | Mild |
| | | Infiltration Cellular | Plasma Cell, Mild |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Mammary Gland | | Galactocele | Moderate |
| | [Galactocele TGLs = 1,11-2A+2B] | | |
| Mesentery | | | |

Note: TGL 7 - Noted grossly as Mesentery was Lymph node, NOS

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1001

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801001

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Degeneration	Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Nervosa, Rathkes Cleft	Degeneration	Moderate
	[Adenoma TGLs = 9-9A]		
* Preputial Gland	Acinus	Degeneration	Mild
	Note: TGL 2 - NCL		
* Prostate		Inflammation	Suppurative, Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Congestion	Marked
		Pigmentation	Moderate
	[Congestion TGLs = 6-9]		
	[Pigmentation TGLs = 6-9]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Moderate
	[Adenoma TGLs = 3,4-7]		
* Thymus		Atrophy	Marked
* Urinary Bladder	Lumen	Dilatation	Marked
	[Dilatation TGLs = 5-8]		

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1002

TRT#: 4

SEX: Male

DAY ON TEST: 695

DOSE: 0.0875 GLYCID

DISP: Natural Death

HISTO: 021500801002

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Seminal Vesicle	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Stomach, Glandular	* Thymus		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis	Epithelium	Degeneration	Moderate
		Hypospermia	Mild
* Heart	Atrium	Cardiomyopathy	Mild
		Dilatation	Marked
		Thrombosis	Mild
	[Cardiomyopathy TGLs = 9-2]		
	[Dilatation TGLs = 9-2]		
	[Thrombosis TGLs = 9-2]		
* Islets, Pancreatic		Adenoma	
* Liver	Biliar Tract	Degeneration	Cystic, Marked
	Bile Duct	Fibrosis	Marked
		Hyperplasia	Marked
		Leukemia Mononuclear	
	[Fibrosis TGLs = 7-3A]		
	[Hyperplasia TGLs = 7-3A]		
	[Leukemia Mononuclear TGLs = 6-3]		
* Lung		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1002

TRT#: 4

SEX: Male

DAY ON TEST: 695

DOSE: 0.0875 GLYCID

DISP: Natural Death

HISTO: 021500801002

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Lumbar	Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 8-17]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 3-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Chronic Active, Mild
Oral Mucosa	Epithelium	Hyperplasia	Marked
[Hyperplasia	TGLs = 11-17A]		
* Peripheral Nerve, Sciatic	Axon	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma	TGLs = 10-9A]		
* Preputial Gland		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma	TGLs = 2-7]		
* Prostate		Inflammation	Suppurative, Moderate
* Skin			
Note: TGL 1 - NCL			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 5-9]		
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
[Adenoma	TGLs = 4-7B]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL 11 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1061

TRT#: 4

SEX: Male

DAY ON TEST: 658

DOSE: 0.0875 GLYCID

DISP: Natural Death

HISTO: 021500801061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-------------------|-------------------|------------------------|-----------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone, Femur | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Harderian Gland | * Islets, Pancreatic |
| * Lung | * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Stomach, Forestomach | * Thyroid Gland |
| * Trachea | | | |

MISSING

- * Thymus

AUTO PRECLUDES DIAG.

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone Marrow | * Epididymis | * Eye | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Glandular | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|-----------------------------|-----------|---------------------------|---------------|
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Brain, Brain Stem | | Compression | Moderate |
| [Compression TGLs = 9-1A] | | | |
| * Heart | | Cardiomyopathy | Moderate |
| | | Metaplasia | Osseous, Mild |
| * Kidney | | Nephropathy | Marked |
| * Liver | | Deformity | |
| | Bile Duct | Hyperplasia | Moderate |
| | | Mixed Cell Focus | |
| | | Pigmentation | Mild |
| | | Vacuolization Cytoplasmic | Moderate |
| Note: TGL 5 - NCL | | | |
| Note: TGL 7 - NCL | | | |
| [Deformity TGLs = 6-3] | | | |
| * Mammary Gland | | Lactation | Mild |
| * Pancreas | Acinus | Degeneration | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1061

TRT#: 4

SEX: Male

DAY ON TEST: 658

DOSE: 0.0875 GLYCID

DISP: Natural Death

HISTO: 021500801061

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 10-9A]			
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic Active, Mild
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Suppurative, Moderate
* Seminal Vesicle	Lumen	Dilatation	Marked
[Dilatation TGLs = 4-7A]			
* Skin		Hyperkeratosis	Mild
	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
[Hyperkeratosis TGLs = 1-2A]			
[Hyperplasia TGLs = 8-2B]			
[Inflammation TGLs = 8-2B]			
* Spleen		Pigmentation	Moderate
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
[Adenoma TGLs = 3-7B]			
[Degeneration TGLs = 2-7]			
* Thymus			
Note: No RC per pathologist			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1062

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Note: TGL 9 - NCL			
* Kidney		Nephropathy	Marked
* Liver		Degeneration	Cystic, Marked
		Eosinophilic Focus	Multiple
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Note: Degeneration is also located on slide 3B with TGL 11 section			
[Degeneration TGLs = 7,10,12,13,14-3+3A+3C+3D+3E+3B]			
[Eosinophilic Focus TGLs = 7,10,11,12,13-3+3A+3B+3C+3D]			
[Hepatocellular Adenoma TGLs = 11-3B]			
[Leukemia Mononuclear TGLs = 7-3]			
* Lung		Leukemia Mononuclear	
Lymph Node	Lumbar, Sinus	Dilatation	Moderate
	Pancreatic	Hyperplasia	Lymphoid, Minimal
	Lumbar	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1062	TRT#: 4	SEX: Male	DAY ON TEST: 737
	DOSE: 0.0875 GLYCID	DISP: Terminal Sacrifice	HISTO: 021500801062

ORGAN AND ACCOUNTABLE SITE STATUS

[Dilatation TGLs = 8-17B]			
[Hyperplasia TGLs = 4-17A]			
[Leukemia Mononuclear TGLs = 8-17B]			
* Lymph Node, Mandibular		Hyperplasia Infiltration Cellular Leukemia Mononuclear	Lymphoid, Moderate Plasma Cell, Mild
* Lymph Node, Mesenteric Mesentery		Leukemia Mononuclear Hemangioma	
[Hemangioma TGLs = 1-17]			
* Pancreas	Acinus	Degeneration	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLs = 15-9A]			
* Preputial Gland		Inflammation	Suppurative, Moderate
* Prostate		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Atrophy	Marked
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis Leukemia Mononuclear	Marked
[Fibrosis TGLs = 3-9]			
[Leukemia Mononuclear TGLs = 2-9]			
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
[Adenoma TGLs = 5,6-7+7B]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1071

TRT#: 4

SEX: Male

DAY ON TEST: 477

DOSE: 0.0875 GLYCID

DISP: Natural Death

HISTO: 021500801071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Epididymis |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skeletal Muscle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

AUTO PRECLUDES DIAG.

- | | | |
|-------------------------|-----------------------|-------------------------|
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
|-------------------------|-----------------------|-------------------------|

OBSERVATIONS

- | | | | |
|----------------------------|---------------|---------------------------|-------------------|
| * Adrenal Medulla | | Pheochromocytoma Complex | |
| [Pheochromocytoma Complex | TGLs = 1-17] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Vacuolization Cytoplasmic | Mild |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Spleen | | Pigmentation | Mild |
| * Thymus | | Atrophy | Mild |

PRIMARY CAUSE OF DEATH - Adrenal Medulla Pheochromocytoma Complex

Animal Note: TGL 1 - Noted grossly as Cavity, abdominal was Adrenal medulla

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1072

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain, Brain Stem		Compression	Minimal
	[Compression TGLs = 7-1]		
* Epididymis	Epithelium	Degeneration	Mild
		Hypospermia	Marked
		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLs = 2-7A]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 5-8]		
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Lactation	Minimal
* Pancreas	Acinus	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 6-9A]		
* Preputial Gland	Acinus	Degeneration	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1072

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801072

ORGAN AND ACCOUNTABLE SITE STATUS

	Duct	Ectasia Inflammation	Marked Suppurative, Marked
	[Degeneration TGLs = 1-7]		
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Prostate		Inflammation	Suppurative, Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
	[Pigmentation TGLs = 4-9]		
* Testes	Seminif Tub	Degeneration Mesothelioma Malignant	Marked
	[Mesothelioma Malignant TGLs = 3-7+7B]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1081

TRT#: 4

SEX: Male

DAY ON TEST: 323

DOSE: 0.0875 GLYCID

DISP: Natural Death

HISTO: 021500801081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Esophagus	* Lymph Node, Mesenteric
* Parathyroid Gland	* Preputial Gland	* Prostate	* Skeletal Muscle
* Skin	* Testes		

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis	* Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Nose	* Pancreas	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Harderian Gland	Infiltration Cellular	Lymphocyte, Minimal
* Heart	Cardiomyopathy	Mild
* Liver	Deformity	
Note: TGL 1 - NCL [Deformity TGLs = 2-3A]		
* Lung	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLs = 3-4]		
* Mammary GI		
Note: No RC per pathologist		

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1082

TRT#: 4

SEX: Male

DAY ON TEST: 718

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|--------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Islets, Pancreatic | * Lung | * Nose |
| * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|----------------------------|--|---------------------------|------------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Marked |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | Epithelium | Degeneration | Marked |
| | | Hypospermia | Marked |
| * Eye | Retina | Degeneration | Marked |
| * Heart | | Cardiomyopathy | Mild |
| * Intestine Small, Jejunum | | Bacterium | Marked |
| | | Inflammation | Chronic Active, Marked |
| | | Necrosis | Marked |
| | [Bacterium TGLs = 7-11A] | | |
| | [Inflammation TGLs = 7-11A] | | |
| | [Necrosis TGLs = 7-11A] | | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | Multiple |
| | | Degeneration | Cystic, Mild |
| | Bile Duct | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 2-10+10A] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 6-11] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1082

TRT#: 4

SEX: Male

DAY ON TEST: 718

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801082

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-2A]		
* Pancreas	Acinus	Degeneration	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Intermed	Cyst	Mild
	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Moderate
		Inflammation	Suppurative, Marked
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Marked
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-9]		
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 5-7]		
	[Degeneration TGLs = 4-7]		
* Thymus		Atrophy	Marked
	Note: TGL 8 - NCL		
* Thyroid Gland		Cyst	Mild
	Note: TGL 9 - NCL		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1091

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Epididymis		Hypospermia	Marked
* Eye	Retina	Degeneration	Mild
	Sclera	Metaplasia	Osseous, Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Marked
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Moderate
[Degeneration TGLs = 4-3A]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Pancreas	Acinus	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Acinus	Degeneration	Mild
		Inflammation	Suppurative, Minimal
* Prostate		Inflammation	Suppurative, Mild
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1091

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801091

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Congestion	Marked
		Pigmentation	Marked
	[Congestion TGLs = 3-9]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 1,2-7B]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1092

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Spinal Cord, Lumbar	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Epididymis	Epithelium	Degeneration	Moderate
		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
Note: TGL 6 - NCL			
* Kidney		Nephropathy	Marked
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Moderate
* Lung		Pigmentation	Mild
* Lymph Node, Mandibular	Sinus	Dilatation	Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary GI			
Note: RC attempted			
* Pancreas	Acinus	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLs = 7-9A]			
* Preputial Gland	Acinus	Degeneration	Mild
		Inflammation	Suppurative, Mild
* Prostate		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1092

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801092

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Atrophy	Moderate
* Skin	Sebaceous GI	Adenoma	
	[Adenoma TGLs = 1-2A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Moderate
		Pigmentation	Moderate
	Note: TGL 4 - NCL		
	[Fibrosis TGLs = 5-9]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 2,3-7+7B]		
* Thymus		Atrophy	Marked

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1101

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--------------------------|--|---------------------------|----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | Epithelium | Degeneration | Marked |
| | | Hypospermia | Marked |
| * Eye | Sclera | Metaplasia | Osseous, Mild |
| * Heart | | Cardiomyopathy | Mild |
| | | Thrombosis | Marked |
| | [Thrombosis TGLs = 10-2A] | | |
| * Kidney | | Nephropathy | Marked |
| | [Nephropathy TGLs = 7-8] | | |
| * Liver | Hepatocyte | Degeneration | Marked |
| | | Degeneration | Cystic, Moderate |
| | Bile Duct | Hyperplasia | Marked |
| | | Necrosis | Mild |
| | | Vacuolization Cytoplasmic | Marked |
| | [Degeneration TGLs = 8-3] | | |
| | [Vacuolization Cytoplasmic TGLs = 8-3] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Moderate |
| | [Infiltration Cellular TGLs = 11-4] | | |
| Lymph Node | Mediastinal, Sinus | Dilatation | Mild |
| | [Dilatation TGLs = 12-17A] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1101

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801101

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLs = 4-17]		
* Nose		Inflammation	Suppurative, Mild
* Pancreas	Acinus	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 13-9A]		
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Marked
	[Ectasia TGLs = 1-7]	Inflammation	Suppurative, Marked
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Marked
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Spleen		Fibrosis	Moderate
	[Fibrosis TGLs = 6-9]	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-9]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 2,3-7B]		
* Thymus		Atrophy	Marked
		Leukemia Mononuclear	

Animal Note: TGL 9 - NST (Cavity, thoracic, fluid)

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1102

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Nose	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone, Femur		Osteopetrosis	Marked
* Bone Marrow		Atrophy	Marked
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Multiple
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
		Galactocele	Marked
	[Fibroadenoma TGLs = 2-2B]		
	[Galactocele TGLs = 1-2A]		
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Preputial Gland	Acinus	Degeneration	Moderate
		Inflammation	Suppurative, Moderate
* Seminal Vesicle		Atrophy	Marked
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1102

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801102

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Marked
		Hematopoietic Cell Proliferation	Marked
		Pigmentation	Moderate
	[Fibrosis TGLs = 5-9]		
	[Hematopoietic Cell Proliferation TGLs = 5-9]		
	[Pigmentation TGLs = 5-9]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 3,4-7+7B]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1161

TRT#: 5

SEX: Male

DAY ON TEST: 592

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500801161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Prostate	* Salivary Glands
* Skeletal Muscle	* Spinal Cord, Cervical	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Complex TGLs = 11-9B]	Pheochromocytoma Complex	
* Bone Marrow	Leukemia Mononuclear	
* Epididymis Epithelium	Degeneration	Mild
	Hypospermia	Moderate
* Heart [Leukemia Mononuclear TGLs = 16-2]	Leukemia Mononuclear	
* Intestine Large, Cecum	Leukemia Mononuclear	
* Islets Panc Note: Located on slide 10B		
* Kidney	Nephropathy	Mild
* Liver Bile Duct	Deformity	
	Hyperplasia	Moderate
	Leukemia Mononuclear	
[Deformity TGLs = 13-3A]		
[Hyperplasia TGLs = 12,13-3+3A]		
[Leukemia Mononuclear TGLs = 12,13-3+3A]		
* Lung	Infiltration Cellular	Histiocyte, Minimal
	Leukemia Mononuclear	
[Infiltration Cellular TGLs = 18-4A]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANATOMY PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1161

TRT#: 5

SEX: Male

DAY ON TEST: 592

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500801161

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Renal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Axillary	Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 15-17A]		
[Leukemia Mononuclear	TGLs = 9-10B]		
[Leukemia Mononuclear	TGLs = 17-17B]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 2-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary GI			
Note: RC attempted			
Note: TGL 1 - Noted grossly as Mammary gland was Skin			
Mesentery	Fat	Necrosis	Moderate
[Necrosis	TGLs = 14-17]		
* Nose		Inflammation	Chronic Active, Mild
* Pancreas			
Note: Located on slide 10B			
Note: TGL 9 - Noted grossly as Pancreas was Lymph node, pancreatic			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Moderate
		Leukemia Mononuclear	
[Degeneration	TGLs = 3-7]		
[Ectasia	TGLs = 3-7]		
* Seminal Vesicle		Atrophy	Mild
[Atrophy	TGLs = 10-7A]		
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion	TGLs = 1-2A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1161

TRT#: 5

SEX: Male

DAY ON TEST: 592

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500801161

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 7,8-9A]			
* Testes	Bilateral, Interstit Cell	Adenoma	
		Cyst	Marked
	Seminif Tub	Degeneration	Marked
[Adenoma TGLs = 4,5,6-7+7B]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1162

TRT#: 5

SEX: Male

DAY ON TEST: 633

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500801162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Epididymis | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Mammary Gland |
| * Nose | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Glandular | * Trachea | |

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|-----------------------------|--|---------------------------|-----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Brain, Brain Stem | | Astrocytoma Malignant | |
| * Brain, Cerebellum | | Astrocytoma Malignant | |
| * Brain, Cerebrum | | Astrocytoma Malignant | |
| * Heart | Atrium | Cardiomyopathy | Mild |
| | [Dilatation TGLs = 7-2] | Dilatation | Moderate |
| * Intestine Large, Colon | | Hyperplasia | Lymphoid, Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | [Vacuolization Cytoplasmic TGLs = 5,6-3] | Inflammation | Chronic Active, Mild |
| | | Vacuolization Cytoplasmic | Moderate |
| * Lymph Node, Mandibular | | Hyperplasia | Lymphoid, Moderate |
| | | Infiltration Cellular | Plasma Cell, Moderate |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| Oral Mucosa | Epithelium | Hyperplasia | Minimal |
| * Pancreas | Acinus | Degeneration | Mild |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Preputial Gland | Acinus | Degeneration | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1162

TRT#: 5

SEX: Male

DAY ON TEST: 633

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500801162

ORGAN AND ACCOUNTABLE SITE STATUS

	Duct	Ectasia Inflammation	Moderate Suppurative, Marked
	[Degeneration TGLs = 1-7]		
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Prostate	Epithelium	Hyperplasia Inflammation Atrophy	Mild Suppurative, Moderate Moderate
* Seminal Vesicle			
	[Atrophy TGLs = 4-7A]		
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Interstit Cell Seminif Tub	Adenoma Degeneration	Moderate
	[Adenoma TGLs = 2-7B]		
* Thymus			
	Note: WT attempted		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder	Lumen	Dilatation	Marked
	[Dilatation TGLs = 3-8]		

PRIMARY CAUSE OF DEATH - Brain, Cerebrum Astrocytoma Malignant

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1171

TRT#: 5

SEX: Male

DAY ON TEST: 403

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500801171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Epididymis | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thyroid Gland | * Trachea | | |

MISSING

- * Mammary Gland

AUTO PRECLUDES DIAG.

- | | | |
|-------------------------|-----------------------|-------------------------|
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
|-------------------------|-----------------------|-------------------------|

OBSERVATIONS

- | | | | |
|---|---------------|-------------------------------------|--------------------------------|
| * Brain, Brain Stem
[Compression TGLs = 4-1] | | Compression | Marked |
| * Brain, Cerebellum | Ventricle | Dilatation | Moderate |
| * Brain, Cerebrum | Ventricle | Dilatation | Moderate |
| * Kidney | | Nephropathy | Mild |
| * Liver
Note: TGL 6 - NCL | | | |
| * Lung
[Infiltration Cellular TGLs = 3-4+4A] | | Hemorrhage
Infiltration Cellular | Minimal
Histiocyte, Minimal |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Moderate |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Mammary GI
Note: RC attempted | | | |
| * Pituitary Gland
[Adenoma TGLs = 5-9] | Pars Distalis | Adenoma | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1171

TRT#: 5

SEX: Male

DAY ON TEST: 403

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500801171

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Suppurative, Marked
* Seminal Vesicle	Lumen	Dilatation	Mild
[Dilatation TGLs = 2-7A]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Urinary Bladder	Lumen	Dilatation	Mild
[Dilatation TGLs = 1-8]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1172

TRT#: 5

SEX: Male

DAY ON TEST: 634

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500801172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
Bone			
Note: TGL 10 - Noted grossly as Bone was Skin			
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Cystic, Marked
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
[Degeneration TGLs = 8-3]			
[Eosinophilic Focus TGLs = 8-3]			
[Hyperplasia TGLs = 8-3]			
[Leukemia Mononuclear TGLs = 8-3]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1172	TRT#: 5	SEX: Male	DAY ON TEST: 634
	DOSE: CONTROL WATER	DISP: Moribund Sacrifice	HISTO: 021500801172

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear	TGLs = 6-17]		
[Leukemia Mononuclear	TGLs = 7-17A]		
[Leukemia Mononuclear	TGLs = 9-17B]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 2-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 11-11]		
* Mammary GI			
Note: RC attempted			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Hemorrhage	Mild
		Inflammation	Chronic Active, Moderate
		Necrosis	Moderate
[Hemorrhage	TGLs = 1-7]		
[Inflammation	TGLs = 1-7]		
[Necrosis	TGLs = 1-7]		
* Prostate		Inflammation	Chronic Active, Moderate
* Skin		Hyperkeratosis	Moderate
[Hyperkeratosis	TGLs = 10-17C]		
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 3,4,5-9+9A+9B]		
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1181

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Prostate	* Salivary Glands	* Skeletal Muscle
* Spinal Cord, Cervical	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Epididymis	Epithelium	Degeneration	Moderate
		Hypospermia	Marked
* Heart		Cardiomyopathy	Moderate
		Schwannoma Malignant	
* Intestine Large, Rectum		Edema	Marked
		[Edema TGLs = 7-11A]	
* Kidney		Nephropathy	Marked
* Liver		Basophilic Focus	Multiple
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
* Lymph Node, Mandibular	Sinus	Dilatation	Marked
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
		[Dilatation TGLs = 1-10+10A]	
		[Hyperplasia TGLs = 1-10+10A]	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1181

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801181

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLs = 1-10+10A]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary GI			
Note: TGL 8 - Noted grossly as Mammary gland was Skin			
Oral Mucosa		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLs = 6-17]			
* Pituitary GI			
Note: RC attempted			
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Moderate
		Inflammation	Suppurative, Marked
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLs = 4-7A]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLs = 8-2A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
		Pigmentation	Mild
[Hyperplasia TGLs = 5-9]			
[Pigmentation TGLs = 5-9]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
[Adenoma TGLs = 2,3-7B+7]			
* Thymus		Atrophy	Moderate

Animal Note: TGL 6 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1182

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Marked
		Vacuolization Cytoplasmic	Moderate
[Vacuolization Cytoplasmic TGLs = 6,7-3A+3B]			
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Mild
	Pancreatic	Infiltration Cellular	Plasma Cell, Mild
[Hyperplasia TGLs = 5-17]			
[Infiltration Cellular TGLs = 5-17]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Pancreas	Acinus	Degeneration	Mild
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Suppurative, Mild
* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1182

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801182

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Congestion	Marked
		Pigmentation	Moderate
	[Congestion TGLs = 3,4-9]		
	[Pigmentation TGLs = 3,4-9]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 1,2-7+7B]		
* Thymus		Atrophy	Marked

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1191

TRT#: 5

SEX: Male

DAY ON TEST: 675

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500801191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Pituitary Gland	* Skeletal Muscle	* Spinal Cord, Cervical
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Leukemia Mononuclear	
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
* Harderian Gland		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
* Liver	Hepatocyte	Degeneration	Marked
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Marked
	[Leukemia Mononuclear TGLs = 13-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Axillary	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 15-17D]		
	[Leukemia Mononuclear TGLs = 16-17E]		
	[Leukemia Mononuclear TGLs = 7-17A]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1191

TRT#: 5

SEX: Male

DAY ON TEST: 675

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500801191

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear	TGLs = 12-17B]		
[Leukemia Mononuclear	TGLs = 14-17C]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 6-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 17-11]		
* Mammary Gland		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Marked
[Leukemia Mononuclear	TGLs = 5-17]		
[Necrosis	TGLs = 5-17]		
* Pancreas	Acinus	Degeneration	Marked
* Peripheral Nerve, Sciatic	Axon	Degeneration	Mild
* Preputial Gland	Acinus	Degeneration	Marked
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
		Leukemia Mononuclear	
		Squamous Cell Carcinoma	
[Degeneration	TGLs = 1-7]		
[Ectasia	TGLs = 1-7]		
[Inflammation	TGLs = 1-7]		
[Leukemia Mononuclear	TGLs = 1-7]		
[Squamous Cell Carcinoma	TGLs = 1-7]		
* Prostate		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Seminal Vesicle		Atrophy	Marked
[Atrophy	TGLs = 4-7A]		
* Skin		Leukemia Mononuclear	
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
		Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1191

TRT#: 5

SEX: Male

DAY ON TEST: 675

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500801191

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 8,9,10-9+9A+9B]

[Necrosis TGLs = 11-9C]

* Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Degeneration

Marked

[Adenoma TGLs = 2,3-7B+7C]

* Thymus

Leukemia Mononuclear

* Thyroid Gland

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1192

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Cerebellum |
| * Esophagus | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Lymph Node, Mesenteric | * Nose | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Preputial Gland | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |

OBSERVATIONS

- | | | | |
|--------------------------|---|---------------------------|-----------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| | | Vacuolization Cytoplasmic | Moderate |
| * Adrenal Medulla | | Hyperplasia | Moderate |
| * Brain, Brain Stem | | Compression | Moderate |
| | [Compression TGLs = 10-1] | | |
| * Brain, Cerebrum | Ventricle | Dilatation | Moderate |
| * Epididymis | | Hypospermia | Moderate |
| * Eye | Bilateral, Retina | Degeneration | Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Islets, Pancreatic | | Adenoma | |
| * Kidney | | Nephropathy | Marked |
| | [Nephropathy TGLs = 8-8] | | |
| * Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Renal, Sinus | Dilatation | Moderate |
| | [Dilatation TGLs = 9-17] | | |
| * Lymph Node, Mandibular | Sinus | Dilatation | Mild |
| | | Infiltration Cellular | Plasma Cell, Moderate |
| | [Dilatation TGLs = 3-10+10A] | | |
| | [Infiltration Cellular TGLs = 3-10+10A] | | |
| * Mammary Gland | | Galactocele | Marked |
| | [Galactocele TGLs = 2-2B] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1192

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801192

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 11-9A]		
* Preputial GI			
	Note: TGL 4 - NCL		
* Prostate		Inflammation	Suppurative, Moderate
* Skin			
	Note: TGL 1 - NCL		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Congestion	Marked
		Pigmentation	Moderate
	Note: TGL 6 - NCL		
	[Congestion TGLs = 7-9]		
	[Pigmentation TGLs = 7-9]		
* Testes	Seminif Tub	Degeneration	Moderate
	[Degeneration TGLs = 5-7]		
* Thymus		Atrophy	Marked
* Urinary Bladder	Transit Epithe	Papilloma	

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1211

TRT#: 3

SEX: Male

DAY ON TEST: 681

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Epididymis	Epithelium	Degeneration	Moderate
		Hypospermia	Marked
* Heart		Cardiomyopathy	Moderate
		Thrombosis	Marked
	[Thrombosis TGLs = 5-2]		
* Kidney		Nephropathy	Marked
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Pigmentation	Mild
* Lung		Pigmentation	Mild
* Lymph Node, Mandibular	Sinus	Dilatation	Mild
		Infiltration Cellular	Plasma Cell, Moderate
	[Dilatation TGLs = 2-10+10A]		
	[Infiltration Cellular TGLs = 2-10+10A]		
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Lactation	Mild
* Pancreas	Acinus	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 6-9A]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1211

TRT#: 3

SEX: Male

DAY ON TEST: 681

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801211

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland [Carcinoma TGLs = 1-7B]		Carcinoma	
* Prostate		Inflammation	Suppurative, Marked
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
* Testes [Adenoma TGLs = 3-7C] [Degeneration TGLs = 4-7]	Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
* Thymus		Atrophy	Marked
		Leukemia Mononuclear	
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH - Preputial Gland Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1212

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Blood Vessel | * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mesenteric | * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|-------------------------------------|---------------------------|----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | | Hypospermia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Degeneration | Cystic, Moderate |
| | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 6-3] | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Mammary Gland | | Lactation | Moderate |
| Mesentery | Fat | Necrosis | Marked |
| | [Necrosis TGLs = 5-17] | | |
| * Pancreas | Acinus | Degeneration | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 7-9] | | |
| * Preputial Gland | Acinus | Degeneration | Moderate |
| | | Inflammation | Chronic Active, Mild |
| * Prostate | | Inflammation | Suppurative, Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1212

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801212

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle [Dilatation TGLs = 3-7A]	Lumen	Dilatation	Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen [Leukemia Mononuclear TGLs = 4-9]		Leukemia Mononuclear	
* Testes [Adenoma TGLs = 2-7B] [Degeneration TGLs = 1-7]	Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
* Thymus		Atrophy	Marked

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1221

TRT#: 3

SEX: Male

DAY ON TEST: 646

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart	Ventricle	Dilatation	Marked
		Leukemia Mononuclear	
		Thrombosis	Moderate
	[Dilatation TGLs = 6-2]		
* Kidney		Nephropathy	Mild
* Liver	Hepatocyte	Degeneration	Marked
		Degeneration	Cystic, Marked
	Hepatocyte	Hyperplasia	Marked
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Degeneration TGLs = 4-3]		
	[Degeneration TGLs = 5-3A]		
	[Hyperplasia TGLs = 5-3A]		
	[Hyperplasia TGLs = 4-3]		
	[Leukemia Mononuclear TGLs = 4-3]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7-4A]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1221

TRT#: 3

SEX: Male

DAY ON TEST: 646

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801221

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Mild
* Pancreas	Acinus	Degeneration	Marked
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
[Adenoma	TGLs = 8-9]		
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Suppurative, Mild
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
[Fibrosis	TGLs = 3-9A]		
[Leukemia Mononuclear	TGLs = 2-9]		
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1222

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Bone Marrow | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|------------------|---|---------------------------|-----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Blood Vessel | | Mesothelioma Malignant | |
| * Epididymis | Epithelium | Degeneration | Marked |
| | | Hypospermia | Marked |
| * Eye | Retina | Degeneration | Minimal |
| * Heart | | Mesothelioma Malignant | |
| * Kidney | | Nephropathy | Marked |
| | [Nephropathy TGLs = 5-8] | | |
| * Liver | | Degeneration | Cystic, Mild |
| | Bile Duct | Hyperplasia | Moderate |
| | | Vacuolization Cytoplasmic | Moderate |
| | Note: TGL 8 - NCL | | |
| | [Degeneration TGLs = 9-3A] | | |
| | [Hyperplasia TGLs = 9-3A] | | |
| | [Vacuolization Cytoplasmic TGLs = 9-3A] | | |
| * Lung | | Mesothelioma Malignant | |
| Lymph Node | Renal, Sinus | Dilatation | Marked |
| | Renal | Infiltration Cellular | Plasma Cell, Moderate |
| | [Dilatation TGLs = 6-17] | | |
| | [Infiltration Cellular TGLs = 6-17] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1222

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801222

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular	Sinus	Dilatation Hyperplasia	Mild Lymphoid, Minimal
[Dilatation TGLs = 1-10+10A]			
[Hyperplasia TGLs = 1-10+10A]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary GI			
Note: RC attempted			
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Preputial Gland	Acinus	Degeneration	Moderate
		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle		Atrophy	Marked
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Marked
[Fibrosis TGLs = 4-9]			
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation Ulcer	Moderate Chronic Active, Moderate Marked
[Hyperplasia TGLs = 11-12A]			
[Inflammation TGLs = 11-12A]			
[Ulcer TGLs = 11-12A]			
* Testes	Interstit Cell Seminif Tub Interstit Cell	Adenoma Degeneration Hyperplasia	 Marked Mild
Note: TGL 3 located on slide 7			
Note: TGL 2 located on slide 7B			
[Adenoma TGLs = 3-7]			
[Hyperplasia TGLs = 2-7B]			
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1222

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801222

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

Note: TGL 10 - NCL

Animal Note: TGL 7 - NST (Cavity, thoracic, fluid)

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1231

TRT#: 3

SEX: Male

DAY ON TEST: 686

DOSE: 0.175 GLYCID

DISP: Natural Death

HISTO: 021500801231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone, Femur	* Esophagus	* Harderian Gland	* Islets, Pancreatic
* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

AUTO PRECLUDES DIAG.

* Bone Marrow	* Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Nose	* Pancreas	* Seminal Vesicle	* Spinal Cord, Thoracic
* Stomach, Glandular			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Blood Vessel		Leukemia Mononuclear	
* Brain, Brain Stem		Compression	Moderate
[Compression TGLs = 11-1A]			
* Brain, Cerebellum		Leukemia Mononuclear	
* Brain, Cerebrum		Leukemia Mononuclear	
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Note: TGL 6 - NCL			
Note: TGL 7 - NCL			
[Leukemia Mononuclear TGLs = 4,5-3]			
* Lung		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1231

TRT#: 3

SEX: Male

DAY ON TEST: 686

DOSE: 0.175 GLYCID

DISP: Natural Death

HISTO: 021500801231

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 10-9A]		
* Preputial Gland	Acinus	Degeneration	Moderate
	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Suppurative, Mild
* Spinal Cord, Cervical		Leukemia Mononuclear	
* Spinal Cord, Lumbar		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-9]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Mild
		Mesothelioma Malignant	
Note: TGL 2 - NCL			
	[Adenoma TGLs = 1-7B]		
* Thymus			
Note: TGL 8 - NCL			
Note: RC attempted			
* Thyroid GI			
Note: TGL 9 - NCL			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1232

TRT#: 3

SEX: Male

DAY ON TEST: 667

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Nose | * Parathyroid Gland | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--------------------------|--|---------------------------|----------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Marked |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | Epithelium | Degeneration | Marked |
| | | Hypospermia | Marked |
| * Heart | | Leukemia Mononuclear | |
| | | Thrombosis | Marked |
| | [Thrombosis TGLs = 9-2] | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | Hepatocyte | Degeneration | Marked |
| | Bile Duct | Hyperplasia | Moderate |
| | Hepatocyte | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Marked |
| | [Degeneration TGLs = 5-3] | | |
| | [Hyperplasia TGLs = 6-3A] | | |
| | [Leukemia Mononuclear TGLs = 5-3] | | |
| Lymph Node | Lumbar | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 7-17] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 8-10+10A] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1232

TRT#: 3

SEX: Male

DAY ON TEST: 667

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801232

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 4-11]

* Mammary Gland		Lactation	Mild
* Pancreas		Leukemia Mononuclear	
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Acinus	Degeneration	Marked
* Prostate		Inflammation	Chronic Active, Moderate
* Seminal Vesicle		Atrophy	Marked
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-9]		
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
	[Adenoma TGLs = 1,10-7+7B]		
	[Degeneration TGLs = 2-7+7B]		
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1241

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Spinal Cord, Cervical |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--|---------------|-------------------------|------------------|
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Epididymis | Epithelium | Degeneration | Mild |
| | | Hypospermia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| | | Thrombosis | Marked |
| Note: WT requested for TGL 5 located on slide 2B
[Thrombosis TGLs = 5-2B] | | | |
| * Islets, Pancreatic | | Hyperplasia | Moderate |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | Multiple |
| | | Degeneration | Cystic, Mild |
| | Bile Duct | Hyperplasia | Mild |
| * Lung | | Infiltration Cellular | Histiocyte, Mild |
| * Lymph Node, Mandibular | Sinus | Dilatation | Mild |
| * Pancreas | Acinus | Degeneration | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| [Hyperplasia TGLs = 7-9A] | | | |
| * Preputial Gland | | Adenoma | |
| | Duct | Ectasia | Marked |
| [Adenoma TGLs = 1-7C] | | | |
| | | Squamous Cell Carcinoma | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1241

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801241

ORGAN AND ACCOUNTABLE SITE STATUS

	[Ectasia TGLs = 1-7C]		
	[Squamous Cell Carcinoma TGLs = 1-7C]		
* Prostate		Inflammation	Suppurative, Moderate
* Seminal Vesicle		Atrophy	Mild
* Skin		Basal Cell Adenoma	
	[Basal Cell Adenoma TGLs = 6-2A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Congestion	Marked
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
	[Congestion TGLs = 4-9]		
	[Hematopoietic Cell Proliferation TGLs = 4-9]		
	[Pigmentation TGLs = 4-9]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 2,3-7+7B]		
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1242

TRT#: 3

SEX: Male

DAY ON TEST: 675

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Prostate	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone, Femur		Fibrous Osteodystrophy	Mild
* Bone Marrow		Leukemia Mononuclear	
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
* Heart	Ventricle	Dilatation	Marked
		Leukemia Mononuclear	
		Thrombosis	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Multiple
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
* Lung		Leukemia Mononuclear	
Lymph Node			
Note: WT attempted			
Note: TGL 4 - NCL (Lymph node, mediastinal, mass)			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Degeneration	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1242

TRT#: 3

SEX: Male

DAY ON TEST: 675

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801242

ORGAN AND ACCOUNTABLE SITE STATUS

* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
[Cyst TGLs = 5-9A]			
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Mild
[Degeneration TGLs = 1-7]			
[Ectasia TGLs = 1-7]			
* Seminal Vesicle		Atrophy	Marked
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 3-9]			
* Testes	Seminif Tub	Degeneration	Marked
	Interstit Cell	Hyperplasia	Minimal
[Degeneration TGLs = 2-7]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1251

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign	TGLs = 5-9A]		
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
* Heart		Cardiomyopathy	Moderate
		Schwannoma Malignant	
* Kidney		Nephropathy	Marked
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
Note: TGL 6 - NCL			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 7-9A]			
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
[Degeneration TGLs = 1-7]			
[Ectasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1251

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801251

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLs = 1-7]

* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle		Atrophy	Marked
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Moderate
Note: TGL 4 - NCL			
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration	Marked

[Adenoma TGLs = 3-7B]

[Degeneration TGLs = 2-7B]

* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1252

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLs = 9-9]		
* Bone Marrow		Hyperplasia	Mild
		Leukemia Mononuclear	
* Brain, Brain Stem		Leukemia Mononuclear	
* Brain, Cerebellum		Leukemia Mononuclear	
	Note: TGL 15 - NCL		
* Brain, Cerebrum		Leukemia Mononuclear	
* Epididymis	Epithelium	Degeneration	Moderate
		Hypospermia	Marked
		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLs = 4-7C+7D]		
* Eye	Bilateral, Retina	Degeneration	Moderate
* Heart	Atrium	Dilatation	Marked
		Leukemia Mononuclear	
	[Dilatation TGLs = 14-2]		
	[Leukemia Mononuclear TGLs = 19-2]		
* Int Sm Duoden			
	Note: TGL 20 - NCL		
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
	[Leukemia Mononuclear TGLs = 10-8]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANATOMY PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1252	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 0.175 GLYCID	DISP: Moribund Sacrifice	HISTO: 021500801252

ORGAN AND ACCOUNTABLE SITE STATUS

[Nephropathy TGLs = 10-8]			
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 11-3]			
* Lung		Leukemia Mononuclear	
Lymph Node	Renal, Sinus	Dilatation	Moderate
	Mediastinal, Sinus	Dilatation	Moderate
	Lumbar	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
[Dilatation TGLs = 12-17B]			
[Dilatation TGLs = 13-17C]			
[Leukemia Mononuclear TGLs = 8-17A]			
[Leukemia Mononuclear TGLs = 12-17B]			
[Leukemia Mononuclear TGLs = 13-17C]			
* Lymph Node, Mandibular		Hemorrhage	Moderate
		Infiltration Cellular	Plasma Cell, Marked
[Hemorrhage TGLs = 3-10+10A]			
[Infiltration Cellular TGLs = 3-10+10A]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Mild
Mesentery	Fat	Necrosis	Marked
		Pigmentation	Marked
[Necrosis TGLs = 17-17D]			
[Pigmentation TGLs = 17-17D]			
* Pancreas	Acinus	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1252	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 0.175 GLYCID	DISP: Moribund Sacrifice	HISTO: 021500801252

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
	[Adenoma TGLs = 16-9A]		
	[Leukemia Mononuclear TGLs = 16-9A]		
* Preputial Gland	Duct	Ectasia Inflammation	Marked Suppurative, Marked
	[Ectasia TGLs = 1-7B]		
	[Inflammation TGLs = 1-7B]		
* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle		Atrophy	Marked
	[Atrophy TGLs = 6-7A]		
* Spinal Cord, Cervical		Leukemia Mononuclear	
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
		Leukemia Mononuclear	
* Spinal Cord, Thoracic		Leukemia Mononuclear	
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
	[Fibrosis TGLs = 7-9]		
* Stomach, Glandular		Inflammation	Chronic Active, Mild
		Ulcer	Mild
	[Inflammation TGLs = 18-12A]		
	[Ulcer TGLs = 18-12A]		
* Testes	Interstit Cell Seminif Tub	Adenoma Degeneration Mesothelioma Malignant	Marked
	[Degeneration TGLs = 5-7]		
* Thymus		Atrophy	Marked
Zymbal's Gland		Carcinoma	
	[Carcinoma TGLs = 2-17]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1311

TRT#: 2

SEX: Male

DAY ON TEST: 702

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Thoracic	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone, Femur		Fibrous Osteodystrophy	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Brain, Brain Stem		Compression	Mild
[Compression TGLs = 8-1A]			
* Epididymis	Epithelium	Degeneration	Moderate
		Exfoliated Germ Cell	Marked
		Hypospermia	Marked
* Eye	Bilateral, Retina	Degeneration	Minimal
* Heart	Ventricle	Dilatation	Marked
		Leukemia Mononuclear	
		Schwannoma Malignant	
		Thrombosis	Moderate
[Thrombosis TGLs = 6-2]			
* Kidney		Nephropathy	Marked
[Nephropathy TGLs = 9-8]			
* Liver	Hepatocyte	Degeneration	Marked
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1311

TRT#: 2

SEX: Male

DAY ON TEST: 702

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801311

ORGAN AND ACCOUNTABLE SITE STATUS

		Vacuolization Cytoplasmic	Marked
	[Degeneration TGLs = 4-3]		
	[Leukemia Mononuclear TGLs = 4-3]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Moderate
	[Hyperplasia TGLs = 5-4A]		
	[Infiltration Cellular TGLs = 5-4A]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Marked
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary G1			
	Note: RC attempted		
* Pancreas	Acinus	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 7-9A]		
* Preputial Gland	Acinus	Degeneration	Marked
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
	[Degeneration TGLs = 1-7]		
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Prostate		Inflammation	Suppurative, Marked
* Seminal Vesicle		Atrophy	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-9]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Marked
		Ulcer	Marked
* Testes	Seminif Tub	Degeneration	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1311

TRT#: 2

SEX: Male

DAY ON TEST: 702

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801311

ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLs = 2-7]

* Thymus

Note: RC attempted

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1312

TRT#: 2

SEX: Male

DAY ON TEST: 634

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Blood Vessel | * Bone, Femur | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Mammary Gland | * Parathyroid Gland | * Preputial Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | |

OBSERVATIONS

- | | | | |
|---------------------|--|---------------------------|----------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| | [Pheochromocytoma Benign TGLs = 8-9] | | |
| * Bone Marrow | | Hyperplasia | Mild |
| * Brain, Brain Stem | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 9-1A] | | |
| * Brain, Cerebellum | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 10-1A] | | |
| * Brain, Cerebrum | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 11-1] | | |
| * Heart | | Leukemia Mononuclear | |
| | Note: TGL 13 - NCL | | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Mild |
| * Liver | | Degeneration | Cystic, Marked |
| | Hepatocyte | Degeneration | Marked |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Marked |
| | [Leukemia Mononuclear TGLs = 7-3] | | |
| * Lung | | Hemorrhage | Marked |
| | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1312

TRT#: 2

SEX: Male

DAY ON TEST: 634

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801312

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node [Dilatation TGLs = 3-17]	Pancreatic, Sinus	Dilatation	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Marked
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Nose		Osteosarcoma	
Oral Mucosa	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLs = 17-17A]		Squamous Cell Carcinoma	
* Pancreas	Acinus	Degeneration	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 12-9B]			
* Prostate		Inflammation	Suppurative, Moderate
* Seminal Vesicle	Lumen	Dilatation	Minimal
[Dilatation TGLs = 1-7A]			
* Spinal Cord, Cervical		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 14-5]			
* Spinal Cord, Lumbar		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 15-5]			
* Spinal Cord, Thoracic		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 16-5]			
* Spleen		Fibrosis	Marked
[Fibrosis TGLs = 5-9A]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4-9]			
* Testes	Interstit Cell	Hyperplasia	Minimal
Note: TGL 6 - NCL			
* Thymus		Atrophy	Marked
* Urinary Bladder		Hemorrhage	Moderate
[Hemorrhage TGLs = 2-8]		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1312

TRT#: 2

SEX: Male

DAY ON TEST: 634

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801312

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 2-8]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL 17 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1321

TRT#: 2

SEX: Male

DAY ON TEST: 696

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Mammary Gland	* Nose
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Thoracic	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Leukemia Mononuclear	
* Blood Vessel		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Hypospermia	Marked
		Leukemia Mononuclear	
		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLs = 4-7A]		
* Eye	Bilateral, Retina	Degeneration	Minimal
* Heart		Leukemia Mononuclear	
		Thrombosis	Marked
	[Thrombosis TGLs = 7-2]		
* Intestine Large, Cecum		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Islets, Pancreatic		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
* Liver	Hepatocyte	Degeneration	Marked
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Degeneration TGLs = 9-3]		
	[Hyperplasia TGLs = 9-3]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1321

TRT#: 2

SEX: Male

DAY ON TEST: 696

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801321

ORGAN AND ACCOUNTABLE SITE STATUS

	[Leukemia Mononuclear TGLs = 9-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 8-17A]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5,10-17+17B]		
* Pancreas		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-10]		
* Parathyroid Gland		Hyperplasia	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland	Acinus	Degeneration	Moderate
		Inflammation	Suppurative, Moderate
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Chronic Active, Moderate
* Seminal Vesicle		Atrophy	Moderate
		Mesothelioma Malignant	
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Ulcer	Marked
	Note: TGL 11 also located on slide 12 with routine Stomach forestomach section; not on 12A		
	[Ulcer TGLs = 11-12]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
		Mesothelioma Malignant	
	[Adenoma TGLs = 1-7B]		
	[Degeneration TGLs = 3-7]		
	[Mesothelioma Malignant TGLs = 2-7]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1321

TRT#: 2

SEX: Male

DAY ON TEST: 696

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801321

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Note: No RC per pathologist

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1322

TRT#: 2

SEX: Male

DAY ON TEST: 586

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801322

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Mild
* Epididymis		Hypospermia	Mild
		Mesothelioma Malignant	
* Heart		Congestion	Marked
	[Congestion TGLs = 5-2A]		
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
		Pigmentation	Mild
	Note: TGL 3 - NCL		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
Oral Mucosa		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 4-17]		
* Pancreas	Acinus	Degeneration	Minimal
* Preputial Gland		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLs = 1-7B]		
* Prostate		Inflammation	Suppurative, Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1322

TRT#: 2

SEX: Male

DAY ON TEST: 586

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801322

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell Seminif Tub	Adenoma Degeneration	Mild
[Adenoma TGLs = 2-7C]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Carcinoma

Animal Note: TGL 4 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1331

TRT#: 2

SEX: Male

DAY ON TEST: 732

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801331

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|--------------------------|-----------------------------|-------------------------|------------------|
| * Adrenal Medulla | Bilateral | Pheochromocytoma Benign | |
| * Epididymis | | Hypospermia | Moderate |
| * Eye | Bilateral, Retina | Degeneration | Mild |
| * Heart | | Cardiomyopathy | Mild |
| | | Thrombosis | Marked |
| | [Thrombosis TGLs = 9-2] | | |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Marked |
| * Liver | | Congestion | Marked |
| | Hepatocyte | Degeneration | Mild |
| | | Necrosis | Moderate |
| | [Congestion TGLs = 7-3] | | |
| | [Degeneration TGLs = 7-3] | | |
| | [Necrosis TGLs = 7-3] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Mild |
| * Lym Node Mand | | | |
| Note: TGL 2 - NCL | | | |
| Lymph Node | Mediastinal, Sinus | Dilatation | Mild |
| | [Dilatation TGLs = 10-17] | | |
| * Lymph Node, Mesenteric | | Hemorrhage | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Preputial Gland | Acinus | Degeneration | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1331

TRT#: 2

SEX: Male

DAY ON TEST: 732

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801331

ORGAN AND ACCOUNTABLE SITE STATUS

	Duct	Ectasia Inflammation	Marked Suppurative, Mild
	[Degeneration TGLs = 1-7] [Ectasia TGLs = 1-7] [Inflammation TGLs = 1-7]		
* Prostate	Epithelium	Hyperplasia	Mild
* Seminal Vesicle		Atrophy	Marked
	[Atrophy TGLs = 6-7A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
	[Adenoma TGLs = 3,4-7B+7C] [Degeneration TGLs = 5-7C]		
* Thymus		Atrophy	Marked
	Note: Located on slide 17 with TGL 10		
* Thyroid Gland		Cyst	Mild

PRIMARY CAUSE OF DEATH - Heart Thrombosis

Animal Note: TGL 8 - NST (Cavity, thoracic, fluid)

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1332

TRT#: 2

SEX: Male

DAY ON TEST: 717

DOSE: 0.35 GLYCID

DISP: Natural Death

HISTO: 021500801332

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-------------------|-------------------|---------------------|------------------------|
| * Blood Vessel | * Bone, Femur | * Esophagus | * Harderian Gland |
| * Mammary Gland | * Nose | * Parathyroid Gland | * Prostate |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Stomach, Forestomach |
| * Trachea | | | |

AUTO PRECLUDES DIAG.

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Eye | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Spinal Cord, Cervical | * Spinal Cord, Thoracic | * Stomach, Glandular | |

OBSERVATIONS

- | | | | |
|---------------------|------------|---------------------------|----------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Brain Stem | | Leukemia Mononuclear | |
| * Brain, Cerebellum | | Leukemia Mononuclear | |
| * Brain, Cerebrum | | Leukemia Mononuclear | |
| * Epididymis | Epithelium | Degeneration | Marked |
| | | Hypospermia | Marked |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Marked |
| * Liver | Hepatocyte | Degeneration | Marked |
| | | Degeneration | Cystic, Marked |
| | | Eosinophilic Focus | |
| | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Marked |

Note: TGL 11 - NCL
 Note: TGL 12 - NCL
 Note: TGL 13 - NCL
 Note: TGL 14 - NCL

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1332

TRT#: 2

SEX: Male

DAY ON TEST: 717

DOSE: 0.35 GLYCID

DISP: Natural Death

HISTO: 021500801332

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 10 - NCL

[Leukemia Mononuclear TGLs = 9-3]

* Lung		Leukemia Mononuclear	
Lymph Node	Axillary	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Cervical	Leukemia Mononuclear	

[Leukemia Mononuclear TGLs = 3-17]

[Leukemia Mononuclear TGLs = 8-17B]

[Leukemia Mononuclear TGLs = 15-17C]

[Leukemia Mononuclear TGLs = 16-17D]

[Leukemia Mononuclear TGLs = 17-17E]

[Leukemia Mononuclear TGLs = 19-17F]

* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 2-10+10A]		

* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 20-11]		

Mesentery	Fat	Necrosis	Moderate
[Necrosis	TGLs = 6-17A]		

* Pancreas	Acinus	Degeneration	Moderate
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		Leukemia Mononuclear	
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* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
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* Pituitary Gland		Leukemia Mononuclear	
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* Preputial Gland	Acinus	Degeneration	Marked
	Duct	Ectasia	Marked
		Inflammation	Chronic Active, Mild

[Degeneration TGLs = 1-7]

[Ectasia TGLs = 1-7]

[Inflammation TGLs = 1-7]

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1332

TRT#: 2

SEX: Male

DAY ON TEST: 717

DOSE: 0.35 GLYCID

DISP: Natural Death

HISTO: 021500801332

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Atrophy	Marked
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7-9]		
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
	[Adenoma TGLs = 4,5,21,22,23-7B+7C+7D+7E+7F]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 18-10]		
* Thyroid Gland		Cyst	Mild
* Urinary Bladder	Lumen	Dilatation	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1341

TRT#: 2

SEX: Male

DAY ON TEST: 551

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Exfoliated Germ Cell	Moderate
		Hypospermia	Moderate
* Heart		Cardiomyopathy	Mild
		Schwannoma Malignant	
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Degeneration	Mild
	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Lymphoid, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Degeneration	Minimal
* Peripheral Nerve, Sciatic	Axon	Carcinoma	
* Preputial Gland			
	[Carcinoma TGLs = 1-7B]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLs = 3-9]		
* Testes	Interstitial Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 2-7C]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1341

TRT#: 2

SEX: Male

DAY ON TEST: 551

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801341

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1342

TRT#: 2

SEX: Male

DAY ON TEST: 578

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Lung | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Prostate |
| * Salivary Glands | * Skeletal Muscle | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---|------------|-------------------------------------|-------------------------------|
| * Epididymis | Epithelium | Degeneration
Hypospermia | Moderate
Marked |
| * Heart | | Cardiomyopathy | Minimal |
| * Intestine Small, Jejunum | | Leiomyoma | |
| [Leiomyoma TGLs = 7-11A] | | | |
| * Islets, Pancreatic | | Adenoma | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Vacuolization Cytoplasmic | Minimal |
| * Lung | | | |
| Note: TGL 5 - NST (Lung, focus - not found at trim) | | | |
| * Lymph Node, Mandibular | Sinus | Dilatation
Infiltration Cellular | Mild
Plasma Cell, Moderate |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Minimal |
| * Mammary GI | | | |
| Note: TGL 1 - Noted grossly as Mammary gland was Skin | | | |
| * Pituitary GI | | | |
| Note: TGL 6 - NCL | | | |
| * Preputial Gland | Acinus | Degeneration
Inflammation | Mild
Chronic Active, Mild |
| * Seminal Vesicle | | Atrophy | Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1342

TRT#: 2

SEX: Male

DAY ON TEST: 578

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801342

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLs = 4-7A]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLs = 1-2A]			
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Mild
[Adenoma TGLs = 2-7B]			
[Degeneration TGLs = 3-7]			
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1351

TRT#: 2

SEX: Male

DAY ON TEST: 718

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801351

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Epididymis	Epithelium	Degeneration	Moderate
		Hypospermia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
		Pigmentation	Mild
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 8-17A]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Marked
[Necrosis	TGLs = 7-17]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Carcinoma	
[Carcinoma	TGLs = 1-7B]		
* Prostate		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1351

TRT#: 2

SEX: Male

DAY ON TEST: 718

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801351

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle [Atrophy TGLs = 4-7A]		Atrophy	Marked
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen [Fibrosis TGLs = 6-9A] [Leukemia Mononuclear TGLs = 5-9]		Fibrosis Leukemia Mononuclear	Moderate
* Testes [Adenoma TGLs = 2,3-7+7C]	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Preputial Gland Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1352

TRT#: 2

SEX: Male

DAY ON TEST: 703

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Esophagus | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Nose | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--------------------------|--|---------------------------|------------------------|
| * Brain, Brain Stem | | Compression | Mild |
| * Brain, Cerebellum | Ventricle | Dilatation | Moderate |
| * Brain, Cerebrum | Ventricle | Dilatation | Moderate |
| * Epididymis | Epithelium | Degeneration | Mild |
| * Eye | Cornea | Inflammation | Suppurative, Marked |
| | Cornea | Necrosis | Marked |
| | Cornea | Ulcer | Marked |
| | [Inflammation TGLs = 4-13] | | |
| | [Necrosis TGLs = 4-13] | | |
| | [Ulcer TGLs = 4-13] | | |
| * Harderian Gland | | Inflammation | Chronic Active, Marked |
| | [Inflammation TGLs = 5-13] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Marked |
| | [Nephropathy TGLs = 3-8] | | |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Vacuolization Cytoplasmic | Mild |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Marked |
| | [Infiltration Cellular TGLs = 1-10A] | | |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Mammary Gland | | Galactocele | Moderate |
| * Pancreas | Acinus | Degeneration | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1352

TRT#: 2

SEX: Male

DAY ON TEST: 703

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801352

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLs = 6-9A]			
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
[Degeneration TGLs = 2-7]			
[Ectasia TGLs = 2-7]			
[Inflammation TGLs = 2-7]			
* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle		Atrophy	Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Marked
* Testes	Seminif Tub	Degeneration	Mild
	Interstit Cell	Hyperplasia	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1411

TRT#: 1

SEX: Male

DAY ON TEST: 439

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801411

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Peripheral Nerve, Sciatic	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
		Schwannoma Malignant	
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Degeneration	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-17]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-9]		
* Spinal Cord, Lumbar		Mineralization	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1411

TRT#: 1

SEX: Male

DAY ON TEST: 439

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801411

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 1-9A]

* Testes	Seminif Tub	Degeneration	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1412

TRT#: 1

SEX: Male

DAY ON TEST: 446

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801412

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Hydronephrosis	Mild
		Nephropathy	Mild
	[Hydronephrosis TGLs = 4-8A]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 3-4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-2A]		
* Preputial GI			
	Note: TGL 2 - NCL		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus			

Note: No RC per pathologist

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1421

TRT#: 1

SEX: Male

DAY ON TEST: 474

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801421

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Mesothelioma Malignant	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-3]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-10]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland			
Note: RC attempted			
* Pancreas		Leukemia Mononuclear	
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1421

TRT#: 1

SEX: Male

DAY ON TEST: 474

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801421

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-9]		
* Testes		Mesothelioma Malignant	
* Thymus		Atrophy	Marked
Zymbal's Gland		Carcinoma	
	[Carcinoma TGLs = 4-17]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1422

TRT#: 1

SEX: Male

DAY ON TEST: 607

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801422

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Blood Vessel		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Hypospermia	Marked
		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLs = 5,6-7A+7B]		
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver	Hepatocyte	Degeneration	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Degeneration TGLs = 15-3]		
	[Hyperplasia TGLs = 15-3]		
	[Leukemia Mononuclear TGLs = 15-3]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 16-4A]		
Lymph Node	Renal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 11-17]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1422

TRT#: 1

SEX: Male

DAY ON TEST: 607

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801422

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 13-17B]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 2-10+10A]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 12-17A]			
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 14-9A]			
* Preputial Gland	Duct	Ectasia	Moderate
	Epithelium	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
[Ectasia TGLs = 1-7]			
[Inflammation TGLs = 1-7]			
[Leukemia Mononuclear TGLs = 1-7]			
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Accessory Spleen	
		Fibrosis	Marked
		Leukemia Mononuclear	
[Accessory Spleen TGLs = 9-9B]			
[Fibrosis TGLs = 8,10-9]			
[Leukemia Mononuclear TGLs = 8,10-9]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
		Mesothelioma Malignant	
[Adenoma TGLs = 4-7]			
[Degeneration TGLs = 3-7+7C]			
[Mesothelioma Malignant TGLs = 7-7C]			
* Thymus		Atrophy	Marked
		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1422

TRT#: 1

SEX: Male

DAY ON TEST: 607

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801422

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1431

TRT#: 1

SEX: Male

DAY ON TEST: 516

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801431

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Note: TGL 8 - Noted grossly as Lymph node, mediastinal was Tissue NOS		
	[Leukemia Mononuclear TGLs = 3-10B]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-2A]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1431

TRT#: 1

SEX: Male

DAY ON TEST: 516

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801431

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Leukemia Mononuclear	
* Parathyroid Gland	Hyperplasia	Mild
* Preputial Gland	Inflammation	Suppurative, Mild
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4-9]		
* Testes	Adenoma	
[Adenoma TGLs = 9-7B]		
* Thymus		
Note: No RC per pathologist		
Note: TGL 7 - Noted grossly as Thymus was Tissue NOS		
Tissue NOS	Mediastinum	Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 7,8-10C+17A]		
Tongue	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLs = 6-17]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1432

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801432

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLs = 9-9]		
* Bone Marrow		Hyperplasia	Moderate
* Brain, Brain Stem		Gliosis	Marked
* Epididymis	Epithelium	Degeneration	Mild
		Hypospermia	Marked
* Heart		Cardiomyopathy	Moderate
		Leukemia Mononuclear	
* Islets, Pancreatic		Adenoma	
	Note: Located on slide 17		
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 10-8]		
* Liver		Degeneration	Cystic, Marked
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	Note: TGL 19 - NCL		
	[Leukemia Mononuclear TGLs = 12-3]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Marked
		Infiltration Cellular	Histiocyte, Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1432	TRT#: 1	SEX: Male	DAY ON TEST: 723
	DOSE: 0.70 GLYCID	DISP: Moribund Sacrifice	HISTO: 021500801432

ORGAN AND ACCOUNTABLE SITE STATUS

Leukemia Mononuclear

[Alveolar/Bronchiolar Adenoma TGLs = 15-4A]

[Hyperplasia TGLs = 15,16-4A+4B]

Lymph Node

Pancreatic

Renal

Leukemia Mononuclear

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 13-17]

[Leukemia Mononuclear TGLs = 14-17A]

* Lymph Node, Mandibular

Sinus

Dilatation

Infiltration Cellular

Leukemia Mononuclear

Mild

Plasma Cell, Moderate

[Dilatation TGLs = 1-10+10A]

[Infiltration Cellular TGLs = 1-10+10A]

[Leukemia Mononuclear TGLs = 1-10+10A]

* Lymph Node, Mesenteric

Leukemia Mononuclear

* Mammary Gland

Galactocele

Marked

[Galactocele TGLs = 4,5-2A+2B]

* Pancreas

Acinus

Degeneration

Moderate

Note: Located on slide 17

* Peripheral Nerve, Sciatic

Axon

Degeneration

Minimal

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLs = 17-9C]

* Preputial Gland

Acinus

Adenoma

Degeneration

Marked

Inflammation

Suppurative, Moderate

[Adenoma TGLs = 2-7]

* Prostate

Adenoma

* Spinal Cord, Cervical

Axon

Degeneration

Mild

Gliosis

Moderate

* Spinal Cord, Lumbar

Nerve

Degeneration

Mild

Nerve

Gliosis

Minimal

* Spinal Cord, Thoracic

Nerve

Degeneration

Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1432

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801432

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Accessory Spleen

Fibrosis

Marked

Leukemia Mononuclear

[Accessory Spleen TGLs = 7-9A]

[Fibrosis TGLs = 8-9B]

[Leukemia Mononuclear TGLs = 6-9]

* Stom Forestom

Note: TGL 18 - NCL

* Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Degeneration

Marked

[Adenoma TGLs = 3,11-7+7B]

* Thymus

Atrophy

Marked

* Thyroid Gland

Follicular Cel

Adenoma

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1441

TRT#: 1

SEX: Male

DAY ON TEST: 544

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Pituitary Gland
-----------------	-------------------

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLs = 4-9]		
* Bone Marrow		Leukemia Mononuclear	
* Epididymis	Epithelium	Degeneration	Moderate
		Hypospermia	Marked
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Degeneration	Cystic, Mild
		Hyperplasia	Moderate
	[Leukemia Mononuclear TGLs = 3-3]	Leukemia Mononuclear	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	[Infiltration Cellular TGLs = 5-4+4A]		
	[Leukemia Mononuclear TGLs = 5-4+4A]		
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 8-17]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
		Leukemia Mononuclear	
	[Hyperplasia TGLs = 7-10+10A]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1441

TRT#: 1

SEX: Male

DAY ON TEST: 544

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801441

ORGAN AND ACCOUNTABLE SITE STATUS

	[Leukemia Mononuclear TGLs = 7-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary GI			
Note: RC attempted			
Oral Mucosa	Epithelium	Hyperplasia	Moderate
	[Hyperplasia TGLs = 6-14A]		
* Pancreas	Acinus	Degeneration	Mild
		Leukemia Mononuclear	
* Pituitary GI			
Note: No RC per pathologist			
* Preputial Gland	Acinus	Degeneration	Moderate
		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Marked
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-9]		
* Stom Gland			
Note: TGL 9 - NCL			
* Testes	Seminif Tub	Degeneration	Marked
	[Degeneration TGLs = 1-7]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL 6 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1442

TRT#: 1

SEX: Male

DAY ON TEST: 666

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord, Cervical	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Hypospermia	Moderate
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Thoracic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-17]		
* Lymph Node, Mandibular	Sinus	Dilatation	Moderate
		Leukemia Mononuclear	
	[Dilatation TGLs = 2-10+10A]		
	[Leukemia Mononuclear TGLs = 2-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland	Duct	Ectasia	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1442

TRT#: 1

SEX: Male

DAY ON TEST: 666

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801442

ORGAN AND ACCOUNTABLE SITE STATUS

Hyperkeratosis Marked
 Inflammation Suppurative, Mild

[Ectasia TGLs = 1-7]
 [Inflammation TGLs = 1-7]

* Prostate Epithelium

Hyperplasia Mild
 Inflammation Suppurative, Mild

* Skin
 [Cyst Epithelial Inclusion TGLs = 6-2A]

Cyst Epithelial Inclusion

* Spinal Cord, Lumbar Nerve

Degeneration Minimal

* Spinal Cord, Thoracic Axon

Degeneration Minimal

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 4-9]

* Testes Interstit Cell
 Seminif Tub

Adenoma
 Degeneration Marked

[Adenoma TGLs = 3-7B]

* Thymus Atrophy

Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1451

TRT#: 1

SEX: Male

DAY ON TEST: 392

DOSE: 0.70 GLYCID

DISP: Natural Death

HISTO: 021500801451

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-------------------|--------------------------|----------------------|-------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Esophagus |
| * Harderian Gland | * Intestine Large, Cecum | * Islets, Pancreatic | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Skeletal Muscle | * Skin | |

MISSING

- * Mammary Gland

AUTO PRECLUDES DIAG.

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Bone Marrow | * Brain, Brain Stem | * Brain, Cerebellum |
| * Brain, Cerebrum | * Epididymis | * Eye | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Kidney | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Seminal Vesicle | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--|-------------|---------------------------|---------|
| * Heart | | Cardiomyopathy | Mild |
| * Liver | | Deformity | |
| | | Vacuolization Cytoplasmic | Mild |
| Note: TGL 2 - NCL
[Deformity TGLs = 4-3A] | | | |
| * Mammary GI | | | |
| Note: No RC per pathologist | | | |
| * Pituitary GI | | | |
| Note: TGL 3 - NCL | | | |
| * Testes | Seminif Tub | Degeneration | Minimal |
| * Urin Bladder | | | |
| Note: TGL 1 - NCL | | | |

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1452

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801452

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Nose |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Stomach, Forestomach |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|---------------------|--|---------------------------|----------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Brain Stem | | Compression | Mild |
| | [Compression TGLs = 10-1A] | | |
| * Epididymis | Epithelium | Degeneration | Marked |
| | | Hypospermia | Marked |
| * Eye | Retina | Degeneration | Mild |
| * Heart | | Leukemia Mononuclear | |
| | | Thrombosis | Marked |
| | [Thrombosis TGLs = 12-2] | | |
| * Kidney | | Nephropathy | Marked |
| | [Nephropathy TGLs = 13-8] | | |
| * Liver | | Degeneration | Cystic, Marked |
| | Hepatocyte | Degeneration | Marked |
| | | Hepatocellular Adenoma | |
| | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| | [Degeneration TGLs = 5-3] | | |
| | [Hepatocellular Adenoma TGLs = 6-3A] | | |
| | [Leukemia Mononuclear TGLs = 5-3] | | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |
| | Lumbar | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1452	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0.70 GLYCID	DISP: Moribund Sacrifice	HISTO: 021500801452

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear	TGLs = 3-17]		
[Leukemia Mononuclear	TGLs = 7-17A]		
[Leukemia Mononuclear	TGLs = 8-17B]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 11-11]		
* Mammary Gland		Lactation	Mild
* Pancreas		Angiectasis	Marked
* Parathyroid Gland		Hyperplasia	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma	TGLs = 9-9A]		
* Preputial Gland	Acinus	Degeneration	Marked
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
* Prostate		Cyst Multilocular	Moderate
		Inflammation	Suppurative, Marked
* Seminal Vesicle		Atrophy	Moderate
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 4-9]		
* Stomach, Glandular		Necrosis	Mild
[Necrosis	TGLs = 14-12A]		
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
[Adenoma	TGLs = 2-7B]		
[Degeneration	TGLs = 1-7]		
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1452

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801452

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1511

TRT#: 3

SEX: Male

DAY ON TEST: 506

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801511

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Epididymis | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Pituitary Gland | * Preputial Gland | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|---|---------------------------|----------------------|
| Bone | Humerus | Osteosarcoma | |
| | [Osteosarcoma TGLs = 1-2A] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Vacuolization Cytoplasmic | Mild |
| * Lung | | Osteosarcoma | Metastatic (Bone) |
| | Note: TGL 2 also located on slide 4 with the routine Lung section | | |
| | [Osteosarcoma TGLs = 2,3,4-4A+4+4B+4C] | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Minimal |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Prostate | Epithelium | Hyperplasia | Mild |
| | | Inflammation | Suppurative, Minimal |
| * Skin | | | |
| | Note: TGL 1 - Noted grossly as Skin was Bone | | |
| * Spinal Cord, Cervical | | Hemorrhage | Minimal |
| * Spleen | | Pigmentation | Mild |
| * Testes | Interstit Cell | Hyperplasia | Mild |
| * Thymus | | Atrophy | Marked |

PRIMARY CAUSE OF DEATH - Bone Humerus Osteosarcoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1512

TRT#: 3

SEX: Male

DAY ON TEST: 505

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801512

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver	Hepatocyte	Degeneration	Marked
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Marked
	[Leukemia Mononuclear TGLs = 3,4-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-17]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
		Leukemia Mononuclear	
* Pancreas	Acinus	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
	[Adenoma TGLs = 6-9]		
	[Cyst TGLs = 6-9]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1512

TRT#: 3

SEX: Male

DAY ON TEST: 505

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801512

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Moderate
[Ectasia TGLs = 1-7B]			
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 2-9A]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
		Ulcer	Moderate
[Inflammation TGLs = 7-12]			
[Ulcer TGLs = 7-12]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1521

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801521

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

Ear		Neural Crest Tumor	
	[Neural Crest Tumor TGLs = 9-17A]		
* Epididymis	Epithelium	Degeneration	Moderate
		Hypospermia	Marked
* Heart		Cardiomyopathy	Moderate
	[Cardiomyopathy TGLs = 8-2]		
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7-3]		
Lymph Node	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-17]		
* Lymph Node, Mandibular	Sinus	Dilatation	Mild
		Leukemia Mononuclear	
	[Dilatation TGLs = 1-10]		
	[Leukemia Mononuclear TGLs = 1-10]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
		Metaplasia	Osseous, Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 10-9]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1521

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801521

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Duct	Ectasia Inflammation	Marked Suppurative, Mild
	[Ectasia TGLs = 2-7] [Inflammation TGLs = 2-7]		
* Prostate	Epithelium	Hyperplasia Inflammation	Moderate Chronic Active, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve Axon	Degeneration Degeneration	Mild Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-9]		
* Testes	Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
	Note: TGL 4 - NCL [Adenoma TGLs = 3-7B]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1522	TRT#: 3	SEX: Male	DAY ON TEST: 737
	DOSE: 0.175 GLYCID	DISP: Terminal Sacrifice	HISTO: 021500801522

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Brain, Brain Stem		Compression	Moderate
[Compression TGLs = 8-1A]			
* Epididymis	Epithelium	Degeneration	Moderate
		Hypospermia	Marked
		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
		Thrombosis	Moderate
[Thrombosis TGLs = 11-2]			
* Kidney		Nephropathy	Marked
[Nephropathy TGLs = 9-8]			
* Liver		Basophilic Focus	Multiple
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
Note: TGL 4 - NCL			
* Lung		Pigmentation	Mild
Lymph Node	Renal, Sinus	Dilatation	Mild
	Renal	Infiltration Cellular	Plasma Cell, Mild
[Dilatation TGLs = 5-17]			
[Infiltration Cellular TGLs = 5-17]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1522

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801522

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Lactation	Mild
Oral Mucosa		Foreign Body	
	Epithelium	Hyperplasia	Mild
	[Foreign Body TGLs = 12-17A]		
	[Hyperplasia TGLs = 12-17A]		
* Pancreas	Acinar Cell	Hyperplasia	Marked
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 7-9]		
* Preputial Gland	Acinus	Degeneration	Marked
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
	[Degeneration TGLs = 1-7]		
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Prostate		Inflammation	Suppurative, Moderate
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Moderate
	Note: TGL 10 - NCL		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
		Mesothelioma Malignant	
	[Adenoma TGLs = 2-7B]		
	[Mesothelioma Malignant TGLs = 3-7]		
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Carcinoma	
	[Carcinoma TGLs = 6-6]		

Animal Note: TGL 12 - Noted grossly as Cavity, oral was Oral mucosa

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1531

TRT#: 3

SEX: Male

DAY ON TEST: 549

DOSE: 0.175 GLYCID

DISP: Natural Death

HISTO: 021500801531

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis
* Esophagus	* Harderian Gland	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Trachea

MISSING

* Lymph Node, Mesenteric

AUTO PRECLUDES DIAG.

* Bone Marrow	* Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Peripheral Nerve, Sciatic	* Seminal Vesicle	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thymus			

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5,6-3+3A]		
* Lung		Leukemia Mononuclear	
* Lym Node Mesen			
	Note: No RC per pathologist		
Lymph Node	Mediastinal, Sinus	Dilatation	Mild
	[Dilatation TGLs = 7-17]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-9]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1,2-7+7B]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1531

TRT#: 3

SEX: Male

DAY ON TEST: 549

DOSE: 0.175 GLYCID

DISP: Natural Death

HISTO: 021500801531

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Follicular Cel	Adenoma	
* Urinary Bladder	Lumen	Dilatation	Mild
[Dilatation TGLs = 3-8]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1532

TRT#: 3

SEX: Male

DAY ON TEST: 682

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801532

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain, Brain Stem	* Brain, Cerebellum	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Jejunum	* Nose
* Parathyroid Gland	* Skeletal Muscle	* Spinal Cord, Thoracic	* Trachea

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Lymphoma Malignant	
		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Hyperplasia	Mild
* Blood Vessel		Lymphoma Malignant	
* Bone, Femur		Fibrous Osteodystrophy	Marked
* Bone Marrow		Atrophy	Marked
* Brain, Cerebrum	Meninges	Lymphoma Malignant	
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
		Lymphoma Malignant	
* Eye	Bilateral, Retina	Degeneration	Mild
* Heart		Lymphoma Malignant	
		Thrombosis	Marked
	[Thrombosis TGLs = 5-2]		
* Intestine Large, Colon		Lymphoma Malignant	
* Intestine Small, Duodenum		Lymphoma Malignant	
* Intestine Small, Ileum		Lymphoma Malignant	
* Islets, Pancreatic		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Marked
		Lymphoma Malignant	
		Vacuolization Cytoplasmic	Marked
	[Hyperplasia TGLs = 9-3]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1532

TRT#: 3

SEX: Male

DAY ON TEST: 682

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801532

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant	TGLs = 9-3]		
[Vacuolization Cytoplasmic	TGLs = 9-3]		
* Lung		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 8-4]		
Lymph Node	Pancreatic	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 4-17]		
[Lymphoma Malignant	TGLs = 7-17A]		
* Lymph Node, Mandibular		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 10-10+10A]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 6-11]		
* Mammary G1			
Note: No RC per pathologist			
* Pancreas		Lymphoma Malignant	
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Acinus	Degeneration	Marked
Note: TGL 1 - NCL			
* Prostate		Inflammation	Suppurative, Moderate
		Lymphoma Malignant	
* Salivary Glands		Lymphoma Malignant	
* Seminal Vesicle		Lymphoma Malignant	
* Skin	Subcut Tiss	Fibroma	
	Subcut Tiss	Schwannoma Malignant	
[Fibroma	TGLs = 12-2B]		
[Schwannoma Malignant	TGLs = 11-2A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Depletion Lymphoid	Marked
		Fibrosis	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1532

TRT#: 3

SEX: Male

DAY ON TEST: 682

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801532

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach		Lymphoma Malignant	
* Stomach, Glandular		Lymphoma Malignant	
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 3-7B]		
	[Degeneration TGLs = 2-7+7B]		
* Thymus		Lymphoma Malignant	
* Thyroid Gland		Lymphoma Malignant	
* Urinary Bladder		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH - Thymus Lymphoma Malignant

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1541

TRT#: 3

SEX: Male

DAY ON TEST: 631

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801541

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Epididymis |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Mammary Gland | * Nose | * Parathyroid Gland |
| * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|--------------------------------------|---------------------------|--------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Brain Stem | | Leukemia Mononuclear | |
| * Brain, Cerebellum | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 4-1A] | | |
| * Brain, Cerebrum | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 7-1B] | | |
| * Heart | | Leukemia Mononuclear | |
| * Islets, Pancreatic | | Adenoma | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| * Liver | | Degeneration | Cystic, Mild |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | | Necrosis | Mild |
| | | Vacuolization Cytoplasmic | Moderate |
| | [Degeneration TGLs = 6-3A] | | |
| | [Leukemia Mononuclear TGLs = 3-3] | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Pancreas | Acinus | Degeneration | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1541

TRT#: 3

SEX: Male

DAY ON TEST: 631

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801541

ORGAN AND ACCOUNTABLE SITE STATUS

* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 5-9B]			
* Preputial Gland	Acinus	Degeneration	Moderate
		Inflammation	Suppurative, Mild
* Prostate		Inflammation	Suppurative, Moderate
* Spinal Cord, Cervical		Leukemia Mononuclear	
* Spinal Cord, Lumbar		Leukemia Mononuclear	
* Spinal Cord, Thoracic		Leukemia Mononuclear	
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLs = 2-9A]			
[Leukemia Mononuclear TGLs = 1-9]			
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1542

TRT#: 3

SEX: Male

DAY ON TEST: 691

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801542

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Prostate
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Pheochromocytoma Benign	
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
* Heart		Cardiomyopathy	Moderate
		Thrombosis	Marked
	[Thrombosis TGLs = 7-2]		
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLs = 5-8]		
* Liver	Biliar Tract	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Marked
	Oval Cell	Hyperplasia	Marked
		Inflammation	Chronic Active, Moderate
		Pigmentation	Mild
	Note: TGL 6 - NCL		
* Lung		Infiltration Cellular	Histiocyte, Moderate
		Mineralization	Mild
		Pigmentation	Moderate
	[Mineralization TGLs = 8-4]		
Lymph Node	Pancreatic, Sinus	Dilatation	Mild
	[Dilatation TGLs = 3-17]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1542

TRT#: 3

SEX: Male

DAY ON TEST: 691

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801542

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric	Sinus	Dilatation Hemorrhage	Mild Mild
[Hemorrhage TGLs = 11-11]			
* Mammary Gland	Alveolus	Hyperplasia Lactation	Moderate Moderate
Note: TGL 9 also located on slide 2 with the routine Mammary gland section			
[Hyperplasia TGLs = 9-2A+2]			
[Lactation TGLs = 9-2A+2]			
* Pancreas	Acinus	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Acinus Duct	Degeneration Ectasia Inflammation	Moderate Marked Suppurative, Moderate
[Degeneration TGLs = 1-7]			
[Ectasia TGLs = 1-7]			
[Inflammation TGLs = 1-7]			
* Seminal Vesicle		Atrophy	Marked
* Spinal Cord, Cervical		Cyst	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Congestion Fibrosis Hematopoietic Cell Proliferation	Marked Mild Mild
[Congestion TGLs = 4-9]			
* Stomach, Glandular		Inflammation Necrosis Pigmentation	Chronic Active, Mild Moderate Mild
[Inflammation TGLs = 12-12A]			
[Necrosis TGLs = 12-12A]			
[Pigmentation TGLs = 12-12A]			
* Testes	Seminif Tub Interstit Cell	Degeneration Hyperplasia	Marked Mild

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1542

TRT#: 3

SEX: Male

DAY ON TEST: 691

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801542

ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLs = 2-7]

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH - Heart Thrombosis

Animal Note: TGL 10 - NST (Cavity, abdominal, thoracic, fluid)

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1551

TRT#: 3

SEX: Male

DAY ON TEST: 653

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801551

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle |
| * Stomach, Forestomach | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|---------------------|--------------------------------------|---------------------------|------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| Bone | Cranium | Deformity | |
| | [Deformity TGLs = 16-17] | | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Brain Stem | | Compression | Mild |
| | [Compression TGLs = 8-1A] | | |
| * Brain, Cerebellum | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 11-1] | | |
| * Brain, Cerebrum | | Leukemia Mononuclear | |
| | | Mineralization | Minimal |
| * Epididymis | | Hypospermia | Moderate |
| * Heart | | Cardiomyopathy | Minimal |
| | | Leukemia Mononuclear | |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Deformity | |
| | | Degeneration | Cystic, Moderate |
| | Hepatocyte | Degeneration | Marked |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |

Note: TGL 10 - NCL
 [Deformity TGLs = 5-3A]
 [Degeneration TGLs = 6-3]

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANATOMY PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1551

TRT#: 3

SEX: Male

DAY ON TEST: 653

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801551

ORGAN AND ACCOUNTABLE SITE STATUS

	[Hyperplasia TGLs = 6-3]		
	[Leukemia Mononuclear TGLs = 6-3]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular	Sinus	Dilatation	Moderate
		Leukemia Mononuclear	
* Lymph Node, Mesenteric	Sinus	Dilatation	Moderate
		Leukemia Mononuclear	
* Mammary Gland		Lactation	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 9-9A]		
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
	Note: TGL 1 located on slide 7 with the routine Preputial gland section; not 7B		
	[Degeneration TGLs = 1-7]		
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Prostate		Inflammation	Suppurative, Moderate
* Skin		Basal Cell Adenoma	
	[Basal Cell Adenoma TGLs = 2-2A]		
* Spinal Cord, Cervical		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 12-5A]		
* Spinal Cord, Lumbar		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 13-5B]		
* Spinal Cord, Thoracic		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-9]		
* Stomach, Glandular	Epithelium	Degeneration	Moderate
	[Degeneration TGLs = 14,15-12A+12B]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1551

TRT#: 3

SEX: Male

DAY ON TEST: 653

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801551

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 4-7+7C]

[Degeneration TGLs = 7-7+7C]

* Thymus

Atrophy

Marked

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1552

TRT#: 3

SEX: Male

DAY ON TEST: 626

DOSE: 0.175 GLYCID

DISP: Natural Death

HISTO: 021500801552

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Colon	* Intestine Large, Rectum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
--------------------------	-----------------------------	--------------------------	----------------------------

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Brain, Brain Stem		Compression	Marked
		Hemorrhage	Moderate
[Compression TGLs = 3-1A]			
* Brain, Cerebellum		Hemorrhage	Minimal
* Brain, Cerebrum	Ventricle	Dilatation	Mild
		Hemorrhage	Mild
* Heart		Cardiomyopathy	Mild
* Int Sm Ileum			
Note: TGL 5 - NCL			
Note: TGL 6 - NCL			
* Kidney		Nephropathy	Marked
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Pigmentation	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 2-9A]			
* Preputial Gland		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1552

TRT#: 3

SEX: Male

DAY ON TEST: 626

DOSE: 0.175 GLYCID

DISP: Natural Death

HISTO: 021500801552

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Suppurative, Marked
* Seminal Vesicle		Atrophy	Mild
	[Atrophy TGLs = 4-7A]		
* Spleen		Pigmentation	Mild
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Urinary Bladder	Lumen	Dilatation	Marked
	[Dilatation TGLs = 1-8]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1661

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801661

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord, Cervical
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Epididymis	Epithelium	Degeneration Hypospermia	Mild Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia Inflammation	Mild Chronic Active, Minimal
* Lymph Node, Mandibular		Hyperplasia Infiltration Cellular	Lymphoid, Mild Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Acinus Duct	Degeneration Ectasia Inflammation	Marked Marked Suppurative, Marked
		[Degeneration TGLs = 1-7] [Ectasia TGLs = 1-7] [Inflammation TGLs = 1-7]	
* Prostate		Inflammation	Suppurative, Mild
* Skin	Epithelium	Hyperkeratosis Hyperplasia	Moderate Mild
		[Hyperkeratosis TGLs = 5-2A] [Hyperplasia TGLs = 5-2A]	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1661

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801661

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Moderate
		Pigmentation	Moderate
[Fibrosis TGLs = 4-9]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
[Adenoma TGLs = 2-7B]			
[Degeneration TGLs = 3-7B]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1662

TRT#: 4

SEX: Male

DAY ON TEST: 632

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801662

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord, Thoracic	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Pituitary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Leukemia Mononuclear Necrosis	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Brain, Brain Stem		Leukemia Mononuclear	
* Brain, Cerebellum		Leukemia Mononuclear	
* Brain, Cerebrum		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 13-1]		
* Epididymis	Epithelium	Degeneration Hypospermia	Mild Moderate
* Eye	Retina	Degeneration	Moderate
* Heart		Leukemia Mononuclear	
* Int Sm Duoden			
Note: TGL 11 - NCL			
* Kidney		Leukemia Mononuclear Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear Vacuolization Cytoplasmic	Moderate Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1662

TRT#: 4

SEX: Male

DAY ON TEST: 632

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801662

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 10-3]			
Lymph Node	Pancreatic, Sinus	Dilatation	Moderate
	Axillary	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Dilatation TGLs = 4-17A]			
[Leukemia Mononuclear TGLs = 3-17]			
[Leukemia Mononuclear TGLs = 4-17A]			
[Leukemia Mononuclear TGLs = 9-17C]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 2-10]			
* Lymph Node, Mesenteric	Sinus	Dilatation	Marked
		Leukemia Mononuclear	
[Dilatation TGLs = 12-11]			
[Leukemia Mononuclear TGLs = 12-11]			
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Moderate
[Leukemia Mononuclear TGLs = 8-17B]			
[Necrosis TGLs = 8-17B]			
* Pancreas	Acinus	Degeneration	Marked
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland			
Note: No RC per pathologist			
* Preputial Gland		Carcinoma	
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
[Carcinoma TGLs = 1-7]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
		Leukemia Mononuclear	
* Spinal Cord, Lumbar		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1662

TRT#: 4

SEX: Male

DAY ON TEST: 632

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801662

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 5-9]			
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation Ulcer	Mild Chronic Active, Moderate Moderate
[Hyperplasia TGLs = 7-12A]			
[Inflammation TGLs = 7-12A]			
[Ulcer TGLs = 7-12A]			
* Testes	Interstit Cell Seminif Tub	Adenoma Degeneration	Moderate
[Adenoma TGLs = 6-7B]			
* Thymus			

Note: No RC per pathologist

PRIMARY CAUSE OF DEATH - Preputial Gland Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1671

TRT#: 4

SEX: Male

DAY ON TEST: 603

DOSE: 0.0875 GLYCID

DISP: Natural Death

HISTO: 021500801671

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Esophagus	* Harderian Gland
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

AUTO PRECLUDES DIAG.

* Bone Marrow	* Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Seminal Vesicle	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Stomach, Glandular		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 5-9]			
* Adrenal Medulla		Leukemia Mononuclear	
* Brain, Brain Stem		Leukemia Mononuclear	
* Brain, Cerebellum		Leukemia Mononuclear	
* Brain, Cerebrum		Leukemia Mononuclear	
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Islets Panc			
Note: Also located on slide 17			
* Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
[Hyperplasia TGLs = 8-3]			
[Leukemia Mononuclear TGLs = 8-3]			
* Lung		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1671

TRT#: 4

SEX: Male

DAY ON TEST: 603

DOSE: 0.0875 GLYCID

DISP: Natural Death

HISTO: 021500801671

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 7-17]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 6-11]		
Mesentery	Fat	Necrosis	Marked
[Necrosis	TGLs = 10-17A]		
* Pancreas	Acinus	Degeneration	Marked
		Leukemia Mononuclear	
Note: Also located on slide 17			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: WT requested for TGL 9 located on slide 9B			
[Hyperplasia	TGLs = 9-9A+9B]		
[Leukemia Mononuclear	TGLs = 9-9A+9B]		
* Preputial Gland	Acinus	Degeneration	Moderate
		Inflammation	Suppurative, Mild
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 4-9]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
[Adenoma	TGLs = 2,3-7+7B]		
* Thymus			
Note: No RC per pathologist			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1672

TRT#: 4

SEX: Male

DAY ON TEST: 625

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801672

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain, Brain Stem		Compression	Mild
		Leukemia Mononuclear	
	[Compression TGLs = 21-1A]		
* Epididymis	Epithelium	Degeneration	Moderate
		Hypospermia	Moderate
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Deformity	
		Degeneration	Cystic, Marked
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Thrombosis	Marked
		Vacuolization Cytoplasmic	Marked
	[Deformity TGLs = 11-3B]		
	[Hepatodiaphragmatic Nodule TGLs = 10-3A]		
	[Leukemia Mononuclear TGLs = 8,9-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1672	TRT#: 4	SEX: Male	DAY ON TEST: 625
	DOSE: 0.0875 GLYCID	DISP: Moribund Sacrifice	HISTO: 021500801672

ORGAN AND ACCOUNTABLE SITE STATUS

	Lumbar	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Axillary	Leukemia Mononuclear	
	Brachial	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-17]		
	[Leukemia Mononuclear TGLs = 12-17A]		
	[Leukemia Mononuclear TGLs = 13-17B]		
	[Leukemia Mononuclear TGLs = 15-17D]		
	[Leukemia Mononuclear TGLs = 18-17E]		
	[Leukemia Mononuclear TGLs = 19-17F]		
* Lymph Node, Mandibular		Hemorrhage	Marked
		Leukemia Mononuclear	
	[Hemorrhage TGLs = 1-10+10A]		
	[Leukemia Mononuclear TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 17-11]		
Mesentery		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 14,23,24-17C+17G+17H]		
* Pancreas	Acinus	Degeneration	Marked
		Leukemia Mononuclear	
* Parathyroid Gland		Hyperplasia	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLs = 20-9B]		
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Mild
		Inflammation	Chronic Active, Moderate
	[Degeneration TGLs = 2-7]		
	[Ectasia TGLs = 2-7]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1672

TRT#: 4

SEX: Male

DAY ON TEST: 625

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801672

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLs = 2-7]			
* Prostate		Inflammation Leukemia Mononuclear	Suppurative, Marked
* Seminal Vesicle		Atrophy	Moderate
[Atrophy TGLs = 22-7A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear Necrosis	Marked
[Leukemia Mononuclear TGLs = 3-9]			
[Necrosis TGLs = 4-9A]			
* Testes	Interstit Cell Seminif Tub	Adenoma Degeneration	Mild
[Adenoma TGLs = 7-7B]			
[Degeneration TGLs = 6-7+7B]			
* Thymus		Atrophy Hemorrhage Leukemia Mononuclear	Marked Marked
[Atrophy TGLs = 16-10]			
[Hemorrhage TGLs = 16-10]			
[Leukemia Mononuclear TGLs = 16-10]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1681

TRT#: 4

SEX: Male

DAY ON TEST: 572

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801681

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Seminal Vesicle | * Skeletal Muscle | * Skin | * Spinal Cord, Lumbar |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|--|---------------------------|-------------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Bone Marrow | | Hyperplasia | Moderate |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Inflammation | Chronic Active, Minimal |
| | | Leukemia Mononuclear | |
| | | Pigmentation | Mild |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Moderate |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| | | Infiltration Cellular | Plasma Cell, Moderate |
| * Mammary Gland | | Lactation | Minimal |
| * Nose | | Inflammation | Chronic Active, Mild |
| * Pancreas | Acinus | Degeneration | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 3-9A] | | |
| * Preputial Gland | | Squamous Cell Carcinoma | |
| | Note: WT requested for TGL 1 located on slide 7C | | |
| | [Squamous Cell Carcinoma TGLs = 1-7B+7C] | | |
| * Prostate | | Inflammation | Suppurative, Moderate |
| * Spinal Cord, Cervical | Axon | Degeneration | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1681

TRT#: 4

SEX: Male

DAY ON TEST: 572

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801681

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-9]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1682

TRT#: 4

SEX: Male

DAY ON TEST: 684

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801682

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|---------------------------|-----------------------------|--------------------------|
| * Blood Vessel | * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Islets, Pancreatic | * Mammary Gland | * Nose | * Parathyroid Gland |
| * Salivary Glands | * Skeletal Muscle | * Stomach, Forestomach | * Trachea |
| * Urinary Bladder | | | |

AUTO PRECLUDES DIAG.

- * Intestine Small, Jejunum

OBSERVATIONS

- | | | | |
|-------------------|---------------------------------------|---------------------------|----------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Marked |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | Epithelium | Degeneration | Mild |
| | | Hypospermia | Mild |
| * Eye | Bilateral, Retina | Degeneration | Minimal |
| * Heart | | Leukemia Mononuclear | |
| | | Thrombosis | Marked |
| | [Thrombosis TGLs = 11-2B] | | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| * Liver | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | | Necrosis | Marked |
| | [Leukemia Mononuclear TGLs = 7-3] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Lumbar | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 9-17A] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1682	TRT#: 4	SEX: Male	DAY ON TEST: 684
	DOSE: 0.0875 GLYCID	DISP: Moribund Sacrifice	HISTO: 021500801682

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear	TGLs = 10-17B]		
[Leukemia Mononuclear	TGLs = 13-17C]		
[Leukemia Mononuclear	TGLs = 8-17]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 12-11]		
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Preputial Gland		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma	TGLs = 1-7]		
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Suppurative, Marked
		Necrosis	Marked
* Seminal Vesicle		Atrophy	Marked
* Skin		Keratoacanthoma	
[Keratoacanthoma	TGLs = 2-2A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
		Necrosis	Marked
[Leukemia Mononuclear	TGLs = 4,5-9A]		
[Necrosis	TGLs = 4,5,6-9A+9B]		
* Stomach, Glandular		Pigmentation	Marked
		Ulcer	Marked
[Pigmentation	TGLs = 15,16-12A+12B]		
[Ulcer	TGLs = 15,16-12A+12B]		
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1682

TRT#: 4

SEX: Male

DAY ON TEST: 684

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801682

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 3-7B]

* Thymus

Atrophy

Marked

Note: TGL 14 - NCL

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1691

TRT#: 4

SEX: Male

DAY ON TEST: 697

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801691

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|--------------------------|----------------------------|--------------------------|
| * Blood Vessel | * Bone, Femur | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Parathyroid Gland | * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Thoracic | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|------------------------------|------------|---------------------------|--------------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Bone Marrow | | Atrophy | Marked |
| * Brain, Brain Stem | | Compression | Mild |
| [Compression TGLs = 8-1A] | | | |
| * Epididymis | Epithelium | Degeneration | Moderate |
| * Eye | | Cataract | Marked |
| | Retina | Degeneration | Marked |
| | Sclera | Metaplasia | Osseous, Mild |
| [Cataract TGLs = 7-13] | | | |
| [Degeneration TGLs = 7-13] | | | |
| [Metaplasia TGLs = 7-13] | | | |
| * Heart | | Cardiomyopathy | Mild |
| | | Mineralization | Mild |
| | | Thrombosis | Moderate |
| * Intestine Small, Duodenum | Epithelium | Hyperplasia | Marked |
| | | Inflammation | Chronic Active, Moderate |
| | | Necrosis | Moderate |
| * Kidney | | Nephropathy | Marked |
| [Nephropathy TGLs = 4-8] | | | |
| * Liver | Hepatocyte | Degeneration | Marked |
| | | Eosinophilic Focus | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1691

TRT#: 4

SEX: Male

DAY ON TEST: 697

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801691

ORGAN AND ACCOUNTABLE SITE STATUS

		Necrosis	Mild
		Vacuolization Cytoplasmic	Marked
	[Vacuolization Cytoplasmic TGLs = 5-3]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 9-9A]		
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Mild
	[Degeneration TGLs = 2-7]		
	[Ectasia TGLs = 2-7]		
	[Inflammation TGLs = 2-7]		
* Prostate		Inflammation	Suppurative, Moderate
* Skin			
	Note: TGL 1 - NCL		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Fibrosis	Moderate
		Pigmentation	Marked
	[Fibrosis TGLs = 3-9]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Marked
		Ulcer	Marked
	[Hyperplasia TGLs = 10,11-12A+12B]		
	[Inflammation TGLs = 10,11-12A+12B]		
	[Ulcer TGLs = 10,11-12A+12B]		
* Stomach, Glandular		Necrosis	Moderate
* Testes	Seminif Tub	Degeneration	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Carcinoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1691

TRT#: 4

SEX: Male

DAY ON TEST: 697

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801691

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLs = 6-6]

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1692

TRT#: 4

SEX: Male

DAY ON TEST: 502

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Bone Marrow		Leukemia Mononuclear	
* Brain, Cerebrum		Gliosis	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver	Hepatocyte	Degeneration	Marked
	Bile Duct	Hyperplasia	Marked
		Hypertrophy	Marked
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Marked
	[Hyperplasia TGLs = 4-3]		
	[Hypertrophy TGLs = 4-3]		
	[Leukemia Mononuclear TGLs = 4-3]		
	[Vacuolization Cytoplasmic TGLs = 4-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-10]		
	[Leukemia Mononuclear TGLs = 5-17]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1692

TRT#: 4

SEX: Male

DAY ON TEST: 502

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801692

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Suppurative, Moderate
* Spleen		Hemorrhage	Marked
		Leukemia Mononuclear	
		Necrosis	Marked
	[Hemorrhage TGLs = 2-9B]		
	[Leukemia Mononuclear TGLs = 1-9A]		
	[Necrosis TGLs = 2-9B]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1701

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801701

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Eye | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Mammary Gland |
| * Nose | * Peripheral Nerve, Sciatic | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|--|----------------------------|----------------------------|----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Brain, Brain Stem | | Granular Cell Tumor Benign | |
| * Epididymis | | Hypospermia | Moderate |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Mild |
| * Heart | | Thrombosis | Marked |
| | [Thrombosis TGLs = 5-2A] | | |
| * Kidney | | Nephropathy | Marked |
| * Liver | | Basophilic Focus | Multiple |
| | | Clear Cell Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | | Inflammation | Chronic Active, Mild |
| Note: TGL 7 - NCL | | | |
| * Lymph Node, Mandibular | Sinus | Dilatation | Marked |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Pancreas | | Polyarteritis | Mild |
| * Parathyroid Gland | | Hyperplasia | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| Note: TGL 6 also located on slide 1 with the routine Brain section | | | |
| | [Adenoma TGLs = 6-9A+1] | | |
| * Preputial Gland | Acinus | Degeneration | Marked |
| | Duct | Ectasia | Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1701

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801701

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Suppurative, Marked
[Degeneration TGLs = 1-7B]			
[Ectasia TGLs = 1-7B]			
[Inflammation TGLs = 1-7B]			
* Prostate	Epithelium	Hyperplasia Inflammation	Minimal Suppurative, Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Congestion Pigmentation	Marked Moderate
[Congestion TGLs = 4-9]			
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
[Adenoma TGLs = 2,3-7+7C]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1702

TRT#: 4

SEX: Male

DAY ON TEST: 679

DOSE: 0.0875 GLYCID

DISP: Natural Death

HISTO: 021500801702

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Esophagus	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Skeletal Muscle	* Skin
* Stomach, Forestomach			

MISSING

* Thymus

AUTO PRECLUDES DIAG.

* Bone Marrow	* Epididymis	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Brain, Brain Stem		Leukemia Mononuclear	
* Brain, Cerebellum		Leukemia Mononuclear	
* Brain, Cerebrum		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Kidney		Leukemia Mononuclear Leukemia Mononuclear	
Note: TGL 3 also located on slide 8 with the routine Kidney section [Leukemia Mononuclear TGLs = 3-8A+8]			
* Liver	Hepatocyte	Degeneration Degeneration Eosinophilic Focus	Marked Cystic, Moderate
	Bile Duct	Hyperplasia Leukemia Mononuclear	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1702

TRT#: 4

SEX: Male

DAY ON TEST: 679

DOSE: 0.0875 GLYCID

DISP: Natural Death

HISTO: 021500801702

ORGAN AND ACCOUNTABLE SITE STATUS

Vacuolization Cytoplasmic

Marked

Note: TGL 4 - NCL

Leukemia Mononuclear

* Lung

[Leukemia Mononuclear TGLs = 6-4A]

Leukemia Mononuclear

* Lymph Node, Mandibular

Leukemia Mononuclear

* Lymph Node, Mesenteric

[Leukemia Mononuclear TGLs = 7-11]

Lactation

Mild

* Mammary Gland

Adenoma

* Pituitary Gland

Pars Distalis

[Adenoma TGLs = 5-9A]

Degeneration

Marked

* Preputial Gland

Acinus

Inflammation

Suppurative, Marked

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 2-9]

* Testes

Interstit Cell

Adenoma

[Adenoma TGLs = 1-7B]

* Thymus

Note: WT attempted

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1761

TRT#: 2

SEX: Male

DAY ON TEST: 655

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|--------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Mammary Gland | * Nose |
| * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle | * Spinal Cord, Thoracic |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- | | | |
|----------------------|------------|----------|
| * Islets, Pancreatic | * Pancreas | * Thymus |
|----------------------|------------|----------|

OBSERVATIONS

- | | | | |
|--|------------|---------------------------|----------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Marked |
| Bone | Cranium | Deformity | |
| [Deformity TGLs = 15-17A] | | | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | Epithelium | Degeneration | Marked |
| | | Hypospermia | Marked |
| * Heart | | Thrombosis | Mild |
| * Intestine Small, Duodenum | | Leukemia Mononuclear | |
| * Islets Panc | | | |
| Note: WT attempted | | | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| * Liver | | Deformity | |
| | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | | Necrosis | Marked |
| | | Vacuolization Cytoplasmic | Marked |
| [Deformity TGLs = 10-3E] | | | |
| [Hyperplasia TGLs = 8,9,11-3C+3D+3] | | | |
| [Leukemia Mononuclear TGLs = 8,9,11-3C+3D+3] | | | |
| [Necrosis TGLs = 6,7-3A+3B] | | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1761

TRT#: 2

SEX: Male

DAY ON TEST: 655

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801761

ORGAN AND ACCOUNTABLE SITE STATUS

	[Vacuolization Cytoplasmic TGLs = 8,9,11-3C+3D+3]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 12-4]		
Lymph Node			
	Note: TGL 4 - Noted grossly as Lymph node, pancreatic was Mesentery		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 13-11]		
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Marked
	[Leukemia Mononuclear TGLs = 4-17]		
	[Necrosis TGLs = 4-17]		
* Pancreas			
	Note: WT attempted		
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 14-9A]		
* Preputial Gland	Acinus	Degeneration	Mild
	Duct	Ectasia	Mild
		Inflammation	Suppurative, Moderate
* Prostate		Inflammation	Suppurative, Moderate
* Seminal Vesicle		Atrophy	Moderate
		Leukemia Mononuclear	
* Skin		Cyst Epithelial Inclusion	
		Inflammation	Suppurative, Marked
	[Cyst Epithelial Inclusion TGLs = 1-2A]		
	[Inflammation TGLs = 1-2A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-9]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1761

TRT#: 2

SEX: Male

DAY ON TEST: 655

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801761

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
* Stomach, Glandular		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
	[Adenoma TGLs = 2,3-7]		
	[Degeneration TGLs = 2,3-7]		
* Thymus			

Note: WT attempted

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1762

TRT#: 2

SEX: Male

DAY ON TEST: 556

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801762

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Mammary Gland | * Nose | * Parathyroid Gland |
| * Pituitary Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|---------------------------------|--------------------------------------|------------------------|-------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Bone Marrow | | Hyperplasia | Mild |
| * Epididymis | | Mesothelioma Malignant | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Hyaline Droplet | Marked |
| | | Nephropathy | Mild |
| * Liver | | Deformity | |
| | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| | [Deformity TGLs = 7-3A] | | |
| Lymph Node | Renal, Sinus | Dilatation | Mild |
| | Renal | Leukemia Mononuclear | |
| | [Dilatation TGLs = 6-17] | | |
| | [Leukemia Mononuclear TGLs = 6-17] | | |
| * Lymph Node, Mandibular | Sinus | Dilatation | Mild |
| | | Hyperplasia | Lymphoid, Mild |
| | | Infiltration Cellular | Plasma Cell, Mild |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Minimal |
| Note: Also located on slide 11A | | | |
| * Pancreas | Acinus | Degeneration | Moderate |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1762

TRT#: 2

SEX: Male

DAY ON TEST: 556

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801762

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Suppurative, Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hemorrhage	Moderate
		Leukemia Mononuclear	
		Necrosis	Moderate
	[Hemorrhage TGLs = 5-9B]		
	[Leukemia Mononuclear TGLs = 3,4-9]		
	[Necrosis TGLs = 5-9B]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Mild
	[Adenoma TGLs = 1,2-7C+7B]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue	Epithelium	Hyperplasia	Moderate
	[Hyperplasia TGLs = 8-17A]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1771

TRT#: 2

SEX: Male

DAY ON TEST: 722

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801771

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Pigmentation	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-2A]		
* Pancreas	Acinus	Degeneration	Marked
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-9A]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Suppurative, Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Congestion	Marked
		Pigmentation	Moderate
	[Congestion TGLs = 2-9]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1771

TRT#: 2

SEX: Male

DAY ON TEST: 722

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801771

ORGAN AND ACCOUNTABLE SITE STATUS

[Pigmentation TGLs = 2-9]

* Testes	Seminif Tub	Degeneration	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1772

TRT#: 2

SEX: Male

DAY ON TEST: 645

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801772

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|-----------------------------|-------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Bone Marrow | | Hyperplasia | Mild |
| * Epididymis | Epithelium | Degeneration | Marked |
| | | Hypospermia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Pigmentation | Mild |
| Note: TGL 4 - NCL | | | |
| * Lung | | Carcinoma | Metastatic (Zymbal'S Gland) |
| | | Inflammation | Granulomatous, Moderate |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Mammary Gland | | Lactation | Mild |
| * Nose | Goblet Cell | Hyperplasia | Mild |
| | | Inflammation | Suppurative, Moderate |
| * Pancreas | Acinus | Degeneration | Minimal |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 6-9A] | | |
| * Preputial Gland | Duct | Ectasia | Minimal |
| * Prostate | | Inflammation | Chronic Active, Mild |
| * Seminal Vesicle | | Atrophy | Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1772

TRT#: 2

SEX: Male

DAY ON TEST: 645

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801772

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Moderate
Note: TGL 3 - NCL			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
[Adenoma TGLs = 1,2,7-7+7B+7C]			
* Thymus		Atrophy	Marked
Zymbal's Gland		Carcinoma	
[Carcinoma TGLs = 5-17]			

PRIMARY CAUSE OF DEATH - Zymbal's Gland Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1781

TRT#: 2

SEX: Male

DAY ON TEST: 604

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801781

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis	Epithelium	Degeneration	Moderate
		Hypospermia	Moderate
* Heart		Cardiomyopathy	Moderate
		Leukemia Mononuclear	
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Marked
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-3A]		
* Lung		Leukemia Mononuclear	
Lymph Node	Axillary	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-17]		
	[Leukemia Mononuclear TGLs = 7-17A]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1781

TRT#: 2

SEX: Male

DAY ON TEST: 604

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801781

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 8-9]			
* Preputial Gland	Acinus	Degeneration	Moderate
* Prostate		Inflammation	Suppurative, Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Fibrosis	Mild
[Fibrosis TGLs = 3-9]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 3-9]			
* Stomach, Glandular		Necrosis	Mild
		Pigmentation	Mild
[Necrosis TGLs = 9-12A]			
[Pigmentation TGLs = 9-12A]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
[Adenoma TGLs = 4-7B]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLs = 6-6]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1782

TRT#: 2

SEX: Male

DAY ON TEST: 677

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801782

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Blood Vessel | * Bone, Femur | * Esophagus | * Eye |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Spinal Cord, Cervical | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---------------------|--------------------------------------|---------------------------|----------------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Marked |
| * Adrenal Medulla | Bilateral | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Brain Stem | | Compression | Mild |
| | [Compression TGLs = 9-1A] | | |
| * Brain, Cerebellum | | Hemorrhage | Mild |
| | [Hemorrhage TGLs = 8-1] | Infiltration Cellular | Polymorphnuclr, Mild |
| | [Infiltration Cellular TGLs = 8-1] | | |
| * Brain, Cerebrum | Ventricle | Dilatation | Mild |
| * Epididymis | Epithelium | Degeneration | Moderate |
| | | Hypospermia | Moderate |
| * Harderian Gland | Acinus | Degeneration | Marked |
| | [Degeneration TGLs = 7-13] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Marked |
| * Liver | | Deformity | |
| | | Degeneration | Cystic, Mild |
| | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| | | Mixed Cell Focus | |
| | | Vacuolization Cytoplasmic | Moderate |
| | [Deformity TGLs = 6-3A] | | |
| * Lung | | Carcinoma | Metastatic (Thyroid Gland) |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1782

TRT#: 2

SEX: Male

DAY ON TEST: 677

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801782

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Lactation	Mild
* Nose		Inflammation	Suppurative, Mild
* Pancreas	Acinus	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 10-9B]			
* Preputial Gland		Adenoma	
	Acinus	Degeneration	Moderate
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
[Adenoma TGLs = 1-7]			
[Degeneration TGLs = 1-7]			
[Ectasia TGLs = 1-7]			
[Inflammation TGLs = 1-7]			
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Suppurative, Moderate
* Seminal Vesicle		Atrophy	Moderate
* Skin		Fibrosis	Marked
[Fibrosis TGLs = 12-2A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
		Pigmentation	Moderate
[Fibrosis TGLs = 5-9A]			
[Leukemia Mononuclear TGLs = 4-9]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Stomach, Glandular		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1782

TRT#: 2

SEX: Male

DAY ON TEST: 677

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801782

ORGAN AND ACCOUNTABLE SITE STATUS

Necrosis Marked

[Necrosis TGLs = 11-12A]

* Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Degeneration

Marked

[Adenoma TGLs = 2-7]

[Degeneration TGLs = 3-7]

* Thymus

Atrophy

Marked

* Thyroid Gland

C Cell

Carcinoma

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1791

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801791

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Bone	Cranium	Osteoma	
	[Osteoma TGLs = 8-17]		
* Brain, Cerebrum		Compression	Moderate
	[Compression TGLs = 7-1A]		
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Marked
	[Nephropathy TGLs = 6-8]		
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Marked
		Necrosis	Mild
	Note: TGL 5 - NCL		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric	Sinus	Dilatation	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1791

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801791

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Hyperplasia Degeneration	Lymphoid, Mild Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland	Duct	Ectasia Inflammation	Marked Suppurative, Moderate
[Ectasia TGLs = 1-7]			
[Inflammation TGLs = 1-7]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Congestion Fibrosis Pigmentation	Marked Marked Marked
[Congestion TGLs = 2-9]			
[Fibrosis TGLs = 3-9A]			
[Pigmentation TGLs = 2-9]			
* Testes	Interstit Cell Seminif Tub	Adenoma Degeneration Mesothelioma Malignant	Marked
[Adenoma TGLs = 4-7B]			
* Thymus		Atrophy	Marked

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1792

TRT#: 2

SEX: Male

DAY ON TEST: 418

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801792

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver | * Lung | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---|--------|----------------------------------|-------------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Bone Marrow | | Hyperplasia | Moderate |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Lymph Node, Mandibular | | Hyperplasia | Lymphoid, Moderate |
| | | Infiltration Cellular | Plasma Cell, Marked |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Preputial Gland | | Inflammation | Chronic Active, Minimal |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| * Thymus | | Atrophy | Mild |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |
| * Urin Bladder | | | |
| Note: TGL 2 - NCL | | | |
| Note: Secretion from Seminal vesicle is present which accounts for TGL 2. | | | |
| Zymbal's Gland | | Carcinoma | |
| | | Inflammation | Suppurative, Marked |

[Carcinoma TGLs = 1-17]
 [Inflammation TGLs = 1-17]

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1792

TRT#: 2

SEX: Male

DAY ON TEST: 418

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801792

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1801

TRT#: 2

SEX: Male

DAY ON TEST: 719

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801801

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Hyperplasia	Moderate
Ear			
Note: TGL 7 - Noted grossly as Ear was Skin			
* Epididymis	Epithelium	Degeneration	Moderate
		Hypospermia	Marked
		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLs = 9-7A]		
* Heart		Cardiomyopathy	Mild
		Thrombosis	Marked
	[Thrombosis TGLs = 6-2]		
* Kidney		Mesothelioma Malignant	
		Nephropathy	Mild
* Liver	Hepatocyte	Degeneration	Marked
	Bile Duct	Hyperplasia	Moderate
		Necrosis	Mild
	[Degeneration TGLs = 5-3]		
	[Hyperplasia TGLs = 5-3]		
Mesentery		Mesothelioma Malignant	
	Fat	Necrosis	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1801

TRT#: 2

SEX: Male

DAY ON TEST: 719

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801801

ORGAN AND ACCOUNTABLE SITE STATUS

	[Mesothelioma Malignant TGLs = 8-17A]		
	[Necrosis TGLs = 8-17A]		
* Pancreas		Mesothelioma Malignant	
	Note: TGL 10 also located on slide 10 with the routine Pancreas section		
	[Mesothelioma Malignant TGLs = 10-10A+10]		
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Preputial Gland	Duct	Ectasia	Marked
		Hyperkeratosis	Marked
		Inflammation	Suppurative, Moderate
	[Ectasia TGLs = 1-7]		
	[Hyperkeratosis TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Prostate		Inflammation	Chronic Active, Mild
		Mesothelioma Malignant	
* Seminal Vesicle		Atrophy	Marked
* Skin	Ear	Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 7-17]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
		Mesothelioma Malignant	
	[Adenoma TGLs = 3,4-7B+7C]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Heart Thrombosis

Animal Note: TGL 2 - NST (Cavity, abdominal, fluid)

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1802

TRT#: 2

SEX: Male

DAY ON TEST: 692

DOSE: 0.35 GLYCID

DISP: Natural Death

HISTO: 021500801802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland
* Skeletal Muscle	* Thyroid Gland	* Trachea	

AUTO PRECLUDES DIAG.

* Bone Marrow	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Nose	* Salivary Glands	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Glandular	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLs = 11-9]		
* Brain, Brain Stem		Leukemia Mononuclear	
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
* Heart		Leukemia Mononuclear	
	[Thrombosis TGLs = 16-2]	Thrombosis	Marked
* Kidney		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 10-8]	Nephropathy	Marked
	[Nephropathy TGLs = 10-8]		
* Liver	Hepatocyte	Degeneration	Marked
		Leukemia Mononuclear	
		Necrosis	Marked
		Vacuolization Cytoplasmic	Marked
	[Degeneration TGLs = 12-3]		
	[Leukemia Mononuclear TGLs = 12-3]		
	[Vacuolization Cytoplasmic TGLs = 12-3]		
* Lung		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1802

TRT#: 2

SEX: Male

DAY ON TEST: 692

DOSE: 0.35 GLYCID

DISP: Natural Death

HISTO: 021500801802

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear Lymph Node	TGLs = 18,20-4] Renal Mediastinal	Leukemia Mononuclear Leukemia Mononuclear	
[Leukemia Mononuclear * Lymph Node, Mandibular	TGLs = 13-17] TGLs = 15-17B]	Leukemia Mononuclear	
[Leukemia Mononuclear * Lymph Node, Mesenteric Mesentery	TGLs = 6-10+10A] Fat	Leukemia Mononuclear Leukemia Mononuclear Necrosis	Marked
[Leukemia Mononuclear * Pancreas	TGLs = 14-17A] [Necrosis TGLs = 14-17A]	Leukemia Mononuclear	
* Peripheral Nerve, Sciatic	Axon	Degeneration	Mild
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear * Preputial Gland	TGLs = 19-9C] Acinus Duct	Degeneration Ectasia Inflammation Leukemia Mononuclear	Marked Mild Suppurative, Moderate
[Degeneration [Ectasia [Inflammation [Leukemia Mononuclear	TGLs = 2-7] TGLs = 2-7] TGLs = 2-7] TGLs = 2-7]		
* Prostate		Leukemia Mononuclear	
* Seminal Vesicle		Atrophy	Marked
* Skin		Cyst Epithelial Inclusion	Marked
[Cyst Epithelial Inclusion * Spleen	TGLs = 1-2A] Accessory Spleen Fibrosis Leukemia Mononuclear		Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1802

TRT#: 2

SEX: Male

DAY ON TEST: 692

DOSE: 0.35 GLYCID

DISP: Natural Death

HISTO: 021500801802

ORGAN AND ACCOUNTABLE SITE STATUS

[Accessory Spleen TGLs = 8-9A]

[Fibrosis TGLs = 9-9B]

[Leukemia Mononuclear TGLs = 7-9]

* Stomach, Forestomach

Leukemia Mononuclear

* Testes

Bilateral, Interstit Cell
Seminif Tub

Adenoma

Degeneration

Marked

[Adenoma TGLs = 3,4-7B+7C]

[Degeneration TGLs = 5-7C]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 17-10]

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1811

TRT#: 1

SEX: Male

DAY ON TEST: 702

DOSE: 0.70 GLYCID

DISP: Natural Death

HISTO: 021500801811

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Skin
* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular	Tongue
* Trachea			

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Jejunum			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
		Mesothelioma Malignant	
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLs = 9-7A+7D]		
* Heart		Cardiomyopathy	Mild
		Thrombosis	Marked
* Kidney		Mesothelioma Malignant	
		Nephropathy	Mild
	[Mesothelioma Malignant TGLs = 15-8]		
	[Nephropathy TGLs = 15-8]		
* Liver	Hepatocyte	Degeneration	Marked
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Vacuolization Cytoplasmic	Moderate

Note: TGL 13 - NCL

[Degeneration TGLs = 14-3]

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1811

TRT#: 1

SEX: Male

DAY ON TEST: 702

DOSE: 0.70 GLYCID

DISP: Natural Death

HISTO: 021500801811

ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLs = 14-3]		
[Vacuolization Cytoplasmic TGLs = 14-3]		
* Lym Node Mand		
Note: TGL 1 - NCL		
* Lymph Node, Mesenteric	Hyperplasia	Lymphoid, Mild
Mesentery	Mesothelioma Malignant	
[Mesothelioma Malignant TGLs = 18,21,22-17B+17D+17E]		
Oral Mucosa	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLs = 19-17C]		
* Pancreas	Acinus	Degeneration
		Marked
		Mesothelioma Malignant
* Parathyroid Gland		Hyperplasia
		Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration
		Minimal
* Pituitary Gland	Pars Distalis	Cyst
		Marked
[Cyst TGLs = 20-9B]		
* Preputial Gland	Acinus	Degeneration
		Marked
		Fibrosis
		Marked
		Inflammation
		Chronic Active, Moderate
		Schwannoma Malignant
[Degeneration TGLs = 3,4-7B+7]		
[Fibrosis TGLs = 3-7B]		
[Inflammation TGLs = 4-7]		
[Schwannoma Malignant TGLs = 3-7B]		
* Prostate		Inflammation
		Suppurative, Marked
		Mesothelioma Malignant
* Salivary Glands		Schwannoma Malignant
[Schwannoma Malignant TGLs = 2-10A]		
* Seminal Vesicle		Atrophy
		Marked
		Mesothelioma Malignant
[Atrophy TGLs = 10-7E]		
* Skeletal Muscle		Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1811

TRT#: 1

SEX: Male

DAY ON TEST: 702

DOSE: 0.70 GLYCID

DISP: Natural Death

HISTO: 021500801811

ORGAN AND ACCOUNTABLE SITE STATUS

	[Mesothelioma Malignant TGLs = 16-17]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Marked
		Hematopoietic Cell Proliferation	Marked
		Mesothelioma Malignant	
	[Fibrosis TGLs = 12-9A]		
	[Hematopoietic Cell Proliferation TGLs = 11-9]		
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
		Mesothelioma Malignant	
	[Adenoma TGLs = 6-7C]		
	[Degeneration TGLs = 7-7]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue			
Note: TGL 17 - NCL			
* Urinary Bladder	Lumen	Dilatation	Marked
		Mesothelioma Malignant	
	[Dilatation TGLs = 8-8]		

PRIMARY CAUSE OF DEATH - Epididymis Mesothelioma Malignant

Animal Note: TGL 5 - NST (Cavity, abdominal, fluid)

Animal Note: TGL 16 - Noted grossly as Cavity, abdominal was Skeletal muscle

Animal Note: TGL 19 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1812

TRT#: 1

SEX: Male

DAY ON TEST: 695

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801812

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Bone Marrow		Leukemia Mononuclear	
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
		Mesothelioma Malignant	
* Heart		Leukemia Mononuclear	
		Schwannoma Malignant	
		Thrombosis	Marked
	[Thrombosis TGLs = 10-2]		
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLs = 7-8]		
* Liver	Hepatocyte	Degeneration	Marked
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Thrombosis	Marked
		Vacuolization Cytoplasmic	Marked
	[Degeneration TGLs = 8,12-3]		
	[Hepatodiaphragmatic Nodule TGLs = 9-3A]		
	[Leukemia Mononuclear TGLs = 8,12-3]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1812	TRT#: 1	SEX: Male	DAY ON TEST: 695
	DOSE: 0.70 GLYCID	DISP: Moribund Sacrifice	HISTO: 021500801812

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLs = 11-4A]			
Lymph Node	Pancreatic, Sinus	Dilatation	Mild
[Dilatation TGLs = 6-17]			
* Lymph Node, Mandibular	Sinus	Dilatation	Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric	Sinus	Dilatation	Mild
		Hemorrhage	Mild
[Dilatation TGLs = 13-11]			
[Hemorrhage TGLs = 13-11]			
* Mammary GI			
Note: Located on slide 7B			
* Pancreas	Acinus	Degeneration	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Acinus	Degeneration	Marked
		Fibrosis	Marked
		Inflammation	Chronic Active, Marked
		Necrosis	Marked
[Degeneration TGLs = 1-7B]			
[Fibrosis TGLs = 1-7B]			
[Inflammation TGLs = 1-7B]			
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLs = 4-7A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 5-9]			
* Stom Gland			
Note: TGL 14 - NCL			

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1812

TRT#: 1

SEX: Male

DAY ON TEST: 695

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801812

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
[Adenoma TGLs = 2,3-7+7C]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1821

TRT#: 1

SEX: Male

DAY ON TEST: 697

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801821

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Hyperplasia	Minimal
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
* Harderian GI			
Note: TGL 15 - NCL			
* Heart	Ventricle	Dilatation	Marked
		Thrombosis	Marked
[Thrombosis TGLs = 13-2]			
* Kidney		Nephropathy	Moderate
[Nephropathy TGLs = 6-8]			
* Liver	Hepatocyte	Degeneration	Marked
	Oval Cell	Hyperplasia	Marked
	Bile Duct	Hyperplasia	Marked
		Necrosis	Marked
[Degeneration TGLs = 10-3]			
[Hyperplasia TGLs = 10-3]			
[Hyperplasia TGLs = 10-3]			
[Necrosis TGLs = 10-3]			
* Lung	Alveolar Epith	Alveolar/Bronchiolar Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1821

TRT#: 1

SEX: Male

DAY ON TEST: 697

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801821

ORGAN AND ACCOUNTABLE SITE STATUS

Infiltration Cellular

Histiocyte, Marked

[Alveolar/Bronchiolar Adenoma TGLs = 14-4]

[Infiltration Cellular TGLs = 14-4]

Lymph Node

Renal, Sinus

Dilatation

Mild

Mediastinal, Sinus

Dilatation

Mild

Renal

Pigmentation

Moderate

[Dilatation TGLs = 9-17]

[Dilatation TGLs = 12-17A]

[Pigmentation TGLs = 9-17]

* Lymph Node, Mandibular

Sinus

Dilatation

Mild

Hyperplasia

Lymphoid, Mild

Infiltration Cellular

Plasma Cell, Moderate

[Dilatation TGLs = 1-10+10A]

[Hyperplasia TGLs = 1-10+10A]

[Infiltration Cellular TGLs = 1-10+10A]

* Pancreas

Acinus

Degeneration

Marked

* Pituitary Gland

Pars Distalis

Hyperplasia

Mild

* Preputial Gland

Acinus

Degeneration

Marked

Duct

Ectasia

Moderate

Inflammation

Suppurative, Marked

[Degeneration TGLs = 2-7]

[Ectasia TGLs = 2-7]

[Inflammation TGLs = 2-7]

* Prostate

Inflammation

Suppurative, Marked

* Seminal Vesicle

Atrophy

Moderate

[Atrophy TGLs = 5-7A]

* Skin

Note: TGL 11 - NCL

Note: RC attempted

* Spinal Cord, Lumbar

Nerve

Degeneration

Mild

* Spinal Cord, Thoracic

Axon

Degeneration

Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1821

TRT#: 1

SEX: Male

DAY ON TEST: 697

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801821

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Depletion Lymphoid Fibrosis	Moderate Marked
	[Depletion Lymphoid TGLs = 7-9]		
	[Fibrosis TGLs = 8-9A]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
* Stomach, Glandular		Necrosis	Marked
		Pigmentation	Moderate
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
	[Adenoma TGLs = 3,4-7B+7C]		

* Thymus

Note: No RC per pathologist

PRIMARY CAUSE OF DEATH - Heart Thrombosis

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1822

TRT#: 1

SEX: Male

DAY ON TEST: 716

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801822

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Cerebellum
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLs = 6-9]		
* Brain, Brain Stem		Compression	Mild
	[Compression TGLs = 10-1A]		
* Brain, Cerebrum		Gliosis	Mild
* Epididymis	Epithelium	Degeneration	Moderate
		Hypospermia	Marked
		Mesothelioma Malignant	
* Eye	Bilateral, Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
		Metaplasia	Osseous, Mild
		Thrombosis	Marked
	[Thrombosis TGLs = 9-2]		
* Kidney		Nephropathy	Marked
* Liver		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Moderate
		Necrosis	Mild
		Pigmentation	Moderate
* Lung		Foreign Body	
	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Marked
		Inflammation	Granulomatous, Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1822	TRT#: 1	SEX: Male	DAY ON TEST: 716
	DOSE: 0.70 GLYCID	DISP: Moribund Sacrifice	HISTO: 021500801822

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
[Foreign Body TGLs = 8-4A]			
[Hyperplasia TGLs = 8-4A]			
[Infiltration Cellular TGLs = 8-4A]			
[Inflammation TGLs = 8-4A]			
[Pigmentation TGLs = 8-4A]			
Lymph Node	Mediastinal, Sinus	Dilatation	Mild
	Mediastinal	Hemorrhage	Mild
Note: TGL 1 - NCL (Lymph node NOS, normal)			
[Dilatation TGLs = 13-17A]			
[Hemorrhage TGLs = 13-17A]			
* Mammary Gland		Lactation	Moderate
* Pancreas		Mesothelioma Malignant	
* Parathyroid Gland			
Note: TGL 12 - NCL			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 11-9B]			
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Suppurative, Mild
* Prostate		Inflammation	Suppurative, Marked
* Seminal Vesicle		Atrophy	Marked
		Mesothelioma Malignant	
[Atrophy TGLs = 4-7A]			
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLs = 15-2A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Marked
		Pigmentation	Marked
[Pigmentation TGLs = 5-9A]			

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1822

TRT#: 1

SEX: Male

DAY ON TEST: 716

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801822

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration Mesothelioma Malignant	Marked
[Adenoma TGLs = 2,3-7+7B]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel C Cell	Carcinoma Hyperplasia	Minimal
[Carcinoma TGLs = 7-6A]			

PRIMARY CAUSE OF DEATH - Thyroid Gland Follicular Cel Carcinoma

Animal Note: TGL 14 - NST (Cavity, thoracic, fluid)

Animal Note: TGL 1 - Noted grossly as Cavity, abdominal was Lymph node, NOS

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1831

TRT#: 1

SEX: Male

DAY ON TEST: 610

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801831

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Hypospermia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Marked
	[Leukemia Mononuclear TGLs = 7-3]	Leukemia Mononuclear	
* Lung	Endothelium	Hyperplasia	Marked
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-17]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
		Leukemia Mononuclear	
	[Hyperplasia TGLs = 2-10+10A]		
	[Infiltration Cellular TGLs = 2-10+10A]		
	[Leukemia Mononuclear TGLs = 2-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-2A]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1831

TRT#: 1

SEX: Male

DAY ON TEST: 610

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801831

ORGAN AND ACCOUNTABLE SITE STATUS

* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 8-9A]			
* Preputial Gland	Acinus	Degeneration	Mild
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4,5-9]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Moderate
[Adenoma TGLs = 3-7]			
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1832

TRT#: 1

SEX: Male

DAY ON TEST: 411

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801832

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Blood Vessel		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Large, Colon		Leukemia Mononuclear	
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Islets, Pancreatic		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia	Moderate
	[Leukemia Mononuclear TGLs = 5,6-3]	Leukemia Mononuclear	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7-11A]		
* Pancreas		Leukemia Mononuclear	
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Mild
		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1832

TRT#: 1

SEX: Male

DAY ON TEST: 411

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801832

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 1 also located on slide 7B with TGL 2

Note: TGL 2 also located on slide 7 with TGL 1

[Degeneration TGLs = 1-7+7B]

[Ectasia TGLs = 2-7+7B]

[Inflammation TGLs = 2-7+7B]

* Prostate

Inflammation

Chronic Active, Mild

* Spinal Cord, Cervical

Mineralization

Minimal

* Spinal Cord, Lumbar

Mineralization

Mild

* Spinal Cord, Thoracic

Mineralization

Mild

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 4-9A]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 8-10]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1841

TRT#: 1

SEX: Male

DAY ON TEST: 603

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801841

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain, Brain Stem		Compression Hemorrhage	Mild Minimal
	[Compression TGLs = 5-1A]		
* Brain Cerebell			
	Note: TGL 5 - Noted grossly as Brain, cerebellum was Brain, brain stem		
* Epididymis	Epithelium	Degeneration Hypospermia Mesothelioma Malignant	Moderate Moderate
* Heart		Cardiomyopathy Leukemia Mononuclear	Mild
* Int Lg Cecum			
	Note: TGL 7 - NCL		
* Int Sm Ileum			
	Note: TGL 6 - NCL		
* Kidney		Nephropathy	Moderate
* Liver	Hepatocyte Bile Duct	Degeneration Hyperplasia Leukemia Mononuclear	Marked Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1841

TRT#: 1

SEX: Male

DAY ON TEST: 603

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801841

ORGAN AND ACCOUNTABLE SITE STATUS

		Vacuolization Cytoplasmic	Marked
[Leukemia Mononuclear TGLs = 3-3]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 4-9A]			
* Prostate		Inflammation	Suppurative, Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 2-9]			
* Testes	Seminif Tub	Degeneration	Marked
	Interstit Cell	Hyperplasia	Mild
		Mesothelioma Malignant	
[Degeneration TGLs = 1-7]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1842

TRT#: 1

SEX: Male

DAY ON TEST: 632

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801842

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|--------------------------|------------------------|---------------------------|----------------|
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | Epithelium | Degeneration | Mild |
| | | Hypospermia | Mild |
| * Harderian Gland | Epithelium | Hyperplasia | Moderate |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Degeneration | Cystic, Mild |
| | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Marked |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | Axillary | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Lumbar | Leukemia Mononuclear | |
| | [Leukemia Mononuclear | TGLs = 3-17A] | |
| | [Leukemia Mononuclear | TGLs = 2-17] | |
| | [Leukemia Mononuclear | TGLs = 6-17B] | |
| | [Leukemia Mononuclear | TGLs = 7-17C] | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear | TGLs = 1-10+10A] | |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1842

TRT#: 1

SEX: Male

DAY ON TEST: 632

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801842

ORGAN AND ACCOUNTABLE SITE STATUS

* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 8-9A]			
* Preputial Gland		Cyst	Marked
	Acinus	Degeneration	Moderate
	Duct	Ectasia	Mild
	Epithelium	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
* Prostate		Inflammation	Suppurative, Marked
* Seminal Vesicle		Atrophy	Moderate
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4-9]			
* Testes	Interstitial Cell	Adenoma	
	Seminif Tub	Degeneration	Moderate
[Adenoma TGLs = 5-7B]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1851

TRT#: 1

SEX: Male

DAY ON TEST: 541

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801851

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-3]		
* Lung		Hemorrhage	Mild
	[Hemorrhage TGLs = 7-4A]		
Lymph Node	Lumbar, Sinus	Dilatation	Mild
	Lumbar	Leukemia Mononuclear	
	[Dilatation TGLs = 3-17]		
	[Leukemia Mononuclear TGLs = 3-17]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
		Leukemia Mononuclear	
	[Hyperplasia TGLs = 5-11]		
	[Leukemia Mononuclear TGLs = 5-11]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1851

TRT#: 1

SEX: Male

DAY ON TEST: 541

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801851

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-2A]		
* Pancreas	Acinus	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland	Acinus	Degeneration	Moderate
		Inflammation	Suppurative, Marked
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
	[Fibrosis TGLs = 6-9A]		
	[Leukemia Mononuclear TGLs = 2-9]		
* Testes	Seminif Tub	Degeneration	Mild
	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1852

TRT#: 1

SEX: Male

DAY ON TEST: 555

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801852

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|--------------------------|---------------------------|-----------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Islets, Pancreatic | * Mammary Gland | * Nose | * Parathyroid Gland |
| * Pituitary Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | | | |

OBSERVATIONS

- | | | | |
|----------------------------|--------------------------------------|---------------------------|----------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| Note: TGL 8 - NCL | | | |
| * Adrenal Medulla | Bilateral | Pheochromocytoma Benign | |
| Note: TGL 8 - NCL | | | |
| * Brain, Brain Stem | | Gliosis | Moderate |
| * Epididymis | Epithelium | Degeneration | Moderate |
| | | Hypospermia | Moderate |
| | [Degeneration TGLs = 9-7A] | | |
| | [Hypospermia TGLs = 9-7A] | | |
| * Heart | Atrium | Cardiomyopathy | Moderate |
| | | Dilatation | Marked |
| | | Schwannoma Malignant | |
| | [Schwannoma Malignant TGLs = 6-2A] | | |
| * Intestine Small, Ileum | | Hyperplasia | Lymphoid, Mild |
| * Intestine Small, Jejunum | | Hyperplasia | Lymphoid, Mild |
| | [Hyperplasia TGLs = 7-12A] | | |
| * Kidney | | Nephropathy | Marked |
| | [Nephropathy TGLs = 4-8] | | |
| * Liver | | Basophilic Focus | |
| | | Congestion | Moderate |
| | | Vacuolization Cytoplasmic | Mild |
| | [Congestion TGLs = 5-3] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1852

TRT#: 1

SEX: Male

DAY ON TEST: 555

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801852

ORGAN AND ACCOUNTABLE SITE STATUS

[Vacuolization Cytoplasmic TGLs = 5-3]

* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Preputial Gland		Carcinoma	

[Carcinoma TGLs = 1-7B]

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Congestion Pigmentation	Marked Moderate

[Congestion TGLs = 3-9]

* Testes	Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
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[Degeneration TGLs = 2-7B]

* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder	Lumen	Dilatation	Moderate

PRIMARY CAUSE OF DEATH - Preputial Gland Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1911

TRT#: 5

SEX: Male

DAY ON TEST: 635

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500801911

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Brain, Cerebrum	Meninges	Hemorrhage	Mild
[Hemorrhage TGLs = 7-1A]			
* Brain Cerebellum			
Note: TGL 7 - Noted grossly as Brain, cerebellum was Brain, cerebrum			
* Epididymis	Epithelium	Degeneration	Mild
		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
* Liver	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
Lymph Node	Renal, Sinus	Dilatation	Moderate
	Lumbar	Squamous Cell Carcinoma	Metastatic (Preputial Gland)
Note: TGL 4 - NCL (Lymph node, mediastinal, normal)			
[Dilatation TGLs = 6-17B]			
[Squamous Cell Carcinoma TGLs = 5-17A]			
* Lymph Node, Mandibular	Sinus	Dilatation	Mild
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
* Mammary Gland		Adenocarcinoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1911

TRT#: 5

SEX: Male

DAY ON TEST: 635

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500801911

ORGAN AND ACCOUNTABLE SITE STATUS

	[Adenocarcinoma TGLs = 8-2A]		
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLs = 1-7B]		
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Suppurative, Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
	Nerve	Gliosis	Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 2,3-7+7C]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1912

TRT#: 5

SEX: Male

DAY ON TEST: 628

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500801912

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Spinal Cord, Cervical	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 7-8]		
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
	[Leukemia Mononuclear TGLs = 8-3]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 9-4]		
Lymph Node	Renal	Infiltration Cellular	Histiocyte, Marked
	Note: TGL 11 - NCL (Lymph node, pancreatic, normal)		
	[Infiltration Cellular TGLs = 10-17]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
Mesentery			

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1912

TRT#: 5

SEX: Male

DAY ON TEST: 628

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500801912

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 11 - Noted grossly as Mesentery was Lymph node, pancreatic

* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 12-9A]		
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
	[Degeneration TGLs = 1-7]		
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
* Seminal Vesicle		Atrophy	Marked
	[Atrophy TGLs = 6-7A]		
* Skin		Fibrosis	Marked
	[Fibrosis TGLs = 14-2A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-9]		
* Stomach, Glandular		Necrosis	Moderate
	[Necrosis TGLs = 13-12A]		
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	Interstit Cell	Hyperplasia	Marked
	[Adenoma TGLs = 3,4-7C]		
	[Hyperplasia TGLs = 2-7B]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1921

TRT#: 5

SEX: Male

DAY ON TEST: 688

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500801921

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-9]		
* Bone Marrow		Leukemia Mononuclear	
* Brain, Brain Stem		Compression	Mild
	[Compression TGLs = 13-1A]		
* Brain, Cerebellum		Leukemia Mononuclear	
* Brain, Cerebrum		Leukemia Mononuclear	
* Epididymis	Epithelium	Degeneration	Moderate
		Hypospermia	Moderate
* Eye	Bilateral, Retina	Degeneration	Mild
* Heart		Leukemia Mononuclear	
		Thrombosis	Marked
	[Thrombosis TGLs = 11-2]		
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
	[Leukemia Mononuclear TGLs = 7-8]		
	[Nephropathy TGLs = 7-8]		
* Liver	Bile Duct	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1921

TRT#: 5

SEX: Male

DAY ON TEST: 688

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500801921

ORGAN AND ACCOUNTABLE SITE STATUS

Leukemia Mononuclear
 Thrombosis Moderate

[Hyperplasia TGLs = 8-3]
 [Leukemia Mononuclear TGLs = 8-3]
 [Thrombosis TGLs = 8-3]

Leukemia Mononuclear

* Lung
 [Leukemia Mononuclear TGLs = 16-4]
 Lymph Node Renal
 Lumbar
 Mediastinal

Leukemia Mononuclear
 Leukemia Mononuclear
 Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 9-17]
 [Leukemia Mononuclear TGLs = 10-17A]
 [Leukemia Mononuclear TGLs = 12-17B]

Leukemia Mononuclear

* Lymph Node, Mandibular
 [Leukemia Mononuclear TGLs = 1-10+10A]

Leukemia Mononuclear

* Lymph Node, Mesenteric
 [Leukemia Mononuclear TGLs = 15-11]

Degeneration Mild
 Adenoma

* Pancreas Acinus
 * Pituitary Gland Pars Distalis
 [Adenoma TGLs = 14-9C]

Degeneration Moderate
 Ectasia Mild
 Inflammation Suppurative, Moderate

* Preputial Gland Acinus
 Duct

Degeneration Marked
 Atrophy Mild

* Prostate Acinus

Leukemia Mononuclear
 Degeneration Minimal

* Seminal Vesicle
 * Spinal Cord, Cervical
 * Spinal Cord, Lumbar Nerve

Leukemia Mononuclear
 Leukemia Mononuclear

* Spleen
 [Leukemia Mononuclear TGLs = 3,4,5-9+9A+9B]

Pigmentation Mild

* Stomach, Glandular

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1921

TRT#: 5

SEX: Male

DAY ON TEST: 688

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500801921

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Ulcer	Mild
	Seminif Tub	Adenoma	
		Degeneration	Marked
[Adenoma TGLs = 2-7B]			
* Thymus			
Note: WT attempted			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1922

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801922

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Epididymis	Epithelium	Degeneration	Moderate
		Hypospermia	Marked
* Heart		Thrombosis	Marked
	[Thrombosis TGLs = 6-2]		
* Kidney		Nephropathy	Marked
* Liver		Basophilic Focus	Multiple
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
Note: TGL 9 - NCL			
* Lung			
	Note: TGL 8 - NST (Lung, diaphragmatic lobe, focus - not found at trim)		
Lymph Node	Mediastinal, Sinus	Dilatation	Mild
	[Dilatation TGLs = 5-17]		
* Lymph Node, Mandibular	Sinus	Dilatation	Mild
		Infiltration Cellular	Plasma Cell, Moderate
	[Dilatation TGLs = 1-10+10A]		
	[Infiltration Cellular TGLs = 1-10+10A]		
* Lymph Node, Mesenteric	Sinus	Dilatation	Mild
* Pancreas	Acinus	Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1922

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801922

ORGAN AND ACCOUNTABLE SITE STATUS

* Peripheral Nerve, Sciatic	Axon	Inflammation Degeneration	Chronic Active, Marked Minimal
* Pituitary Gland [Hyperplasia TGLs = 7-9A]	Pars Distalis	Hyperplasia	Mild
* Preputial Gland [Adenoma TGLs = 2-7] [Ectasia TGLs = 2-7] [Inflammation TGLs = 2-7]	Duct	Adenoma Ectasia Inflammation	Marked Suppurative, Marked
* Prostate		Inflammation	Suppurative, Moderate
* Seminal Vesicle		Atrophy	Moderate
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Stom Gland Note: TGL 10 - NCL			
* Testes [Adenoma TGLs = 3,4-7+7B]	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
* Thymus		Atrophy	Moderate

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1931

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801931

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Mammary Gland | * Nose | * Pancreas |
| * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle | * Skin |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|-----------------------------|-------------------------------------|----------------------------|---------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| | | Pheochromocytoma Malignant | |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Marked |
| * Liver | | Basophilic Focus | Multiple |
| | | Degeneration | Cystic, Mild |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Mild |
| | [Leukemia Mononuclear TGLs = 7-3] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Parathyroid Gland | | Hyperplasia | Moderate |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 6-9A] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1931

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801931

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Carcinoma	
	Duct	Ectasia	Marked
	[Carcinoma TGLs = 2-7C]		
	[Ectasia TGLs = 1-7]		
* Prostate		Inflammation	Suppurative, Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-9]		
* Stom Gland			
	Note: TGL 8 - NCL		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Mild
	[Adenoma TGLs = 3,4-7+7B]		
* Thymus			
	Note: RC/WT attempted		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1932

TRT#: 5

SEX: Male

DAY ON TEST: 711

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500801932

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Peripheral Nerve, Sciatic	* Prostate
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Thoracic	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Brain, Brain Stem		Compression	Mild
	[Compression TGLs = 14-1A]		
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
		Thrombosis	Marked
	[Cardiomyopathy TGLs = 12-2A]		
	[Thrombosis TGLs = 11-2]		
* Kidney		Necrosis	Moderate
		Nephropathy	Marked
	[Necrosis TGLs = 8-8A]		
	[Nephropathy TGLs = 7-8]		
* Liver	Hepatocyte	Degeneration	Marked
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Marked
	[Degeneration TGLs = 9-3]		
	[Leukemia Mononuclear TGLs = 9-3]		
* Lung		Hemorrhage	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1932

TRT#: 5

SEX: Male

DAY ON TEST: 711

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500801932

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Pancreatic	Infiltration Cellular Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear	Histiocyte, Moderate
	Mediastinal		
Note: TGL 6 - Noted grossly as Lymph node, pancreatic was Tissue NOS and Spleen			
	[Leukemia Mononuclear TGLs = 18-17D]		
	[Leukemia Mononuclear TGLs = 10-17B]		
	[Leukemia Mononuclear TGLs = 13-17C]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Infiltration Cellular Leukemia Mononuclear	Plasma Cell, Mild
* Mammary Gland		Lactation	Mild
Mesentery		Lipoma	
Note: TGL 18 - Noted grossly as Mesentery was Lymph node, pancreatic			
Note: TGL 10 - Noted grossly as Mesentery was Lymph node, NOS			
	[Lipoma TGLs = 1-17]		
* Nose		Inflammation	Suppurative, Mild
* Pancreas	Acinus	Degeneration	Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 15-9A]		
* Preputial Gland	Acinus	Degeneration	Marked
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Mild
	[Degeneration TGLs = 2-7]		
	[Ectasia TGLs = 2-7]		
	[Inflammation TGLs = 2-7]		
* Seminal Vesicle		Atrophy	Marked
	[Atrophy TGLs = 4-7A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1932

TRT#: 5

SEX: Male

DAY ON TEST: 711

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500801932

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Accessory Spleen Leukemia Mononuclear	
	[Accessory Spleen TGLs = 6-17A]		
	[Leukemia Mononuclear TGLs = 5-9]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
	[Hyperplasia TGLs = 16-12A]		
* Stomach, Glandular		Necrosis	Mild
	[Necrosis TGLs = 17-12B]		
* Testes	Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
	[Adenoma TGLs = 3-7B]		
* Thymus		Atrophy	Marked
Tissue NOS		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-17A]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1941

TRT#: 5

SEX: Male

DAY ON TEST: 702

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500801941

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|------------------------------|---------------|---------------------------|-----------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Epididymis | Epithelium | Degeneration | Moderate |
| | | Hypospermia | Marked |
| * Eye | Sclera | Metaplasia | Osseous, Mild |
| * Kidney | | Nephropathy | Marked |
| * Liver | | Basophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Moderate |
| | | Inflammation | Chronic Active, Mild |
| | | Vacuolization Cytoplasmic | Mild |
| * Lymph Node, Mandibular | Sinus | Dilatation | Moderate |
| | | Infiltration Cellular | Plasma Cell, Moderate |
| * Mammary Gland | | Fibroadenoma | |
| [Fibroadenoma TGLs = 2-2A] | | | |
| * Parathyroid Gland | | Hyperplasia | Mild |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLs = 6-9] | | | |
| * Preputial Gland | | Carcinoma | |
| [Carcinoma TGLs = 1-7] | | | |
| * Prostate | Epithelium | Hyperplasia | Moderate |
| | | Inflammation | Chronic Active, Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1941

TRT#: 5

SEX: Male

DAY ON TEST: 702

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500801941

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Atrophy	Marked
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Pigmentation	Moderate
Note: TGL 5 - NCL			
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
[Adenoma TGLs = 3,4-7B+7C]			
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Preputial Gland Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1942

TRT#: 5

SEX: Male

DAY ON TEST: 708

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500801942

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Prostate | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|--|------------------------|----------------|
| * Bone Marrow | | Hyperplasia | Mild |
| * Brain, Brain Stem | | Compression | Moderate |
| | | Hemorrhage | Minimal |
| | [Compression TGLs = 8-1A] | | |
| * Epididymis | Epithelium | Degeneration | Marked |
| | | Hypospermia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Degeneration | Cystic, Marked |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | Note: TGL 5 - NCL | | |
| | [Hepatocellular Adenoma TGLs = 4-3A] | | |
| | [Leukemia Mononuclear TGLs = 6-3] | | |
| * Lymph Node, Mandibular | Sinus | Dilatation | Mild |
| | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | Sinus | Dilatation | Marked |
| | | Leukemia Mononuclear | |
| | [Dilatation TGLs = 10-11] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1942

TRT#: 5

SEX: Male

DAY ON TEST: 708

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500801942

ORGAN AND ACCOUNTABLE SITE STATUS

	[Leukemia Mononuclear TGLs = 10-11]		
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Moderate
* Pancreas	Acinus	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 9-9A]		
* Preputial Gland	Acinus	Degeneration	Moderate
* Seminal Vesicle		Atrophy	Marked
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-9]		
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 2-7B]		
	[Degeneration TGLs = 1-7]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Carcinoma	
	[Carcinoma TGLs = 7-6]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2061

TRT#: 4

SEX: Male

DAY ON TEST: 680

DOSE: 0.0875 GLYCID

DISP: Natural Death

HISTO: 021500802061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis	* Esophagus
* Harderian Gland	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Skeletal Muscle	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Bone Marrow	* Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Seminal Vesicle	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Stomach, Glandular			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Heart		Leukemia Mononuclear	
		Thrombosis	Marked
	[Thrombosis TGLs = 8-2A]		
* Kidney		Nephropathy	Marked
* Liver	Bile Duct	Hyperplasia	Marked
		Infiltration Cellular	Polymorphnuclr, Marked
	[Hyperplasia TGLs = 5-3]		
	[Infiltration Cellular TGLs = 5-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-17]		
	[Leukemia Mononuclear TGLs = 7-17A]		
* Lymph Node, Mandibular	Sinus	Dilatation	Moderate
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2061

TRT#: 4

SEX: Male

DAY ON TEST: 680

DOSE: 0.0875 GLYCID

DISP: Natural Death

HISTO: 021500802061

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Suppurative, Marked
		Squamous Cell Carcinoma	
	[Inflammation TGLs = 1-7]		
	[Squamous Cell Carcinoma TGLs = 1-7]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-9]		
* Testes	Interstit Cell	Adenoma	
	Note: TGL 3 - NCL		
	[Adenoma TGLs = 4-7B]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2062

TRT#: 4

SEX: Male

DAY ON TEST: 466

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|---|----------------|----------------------------------|-------------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Bone Marrow | | Hyperplasia | Moderate |
| * Heart | | Cardiomyopathy | Minimal |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Inflammation | Chronic Active, Minimal |
| * Mammary GI | | | |
| Note: No RC per pathologist | | | |
| Mesentery | Fat | Necrosis | Moderate |
| [Necrosis TGLs = 5-17] | | | |
| * Pancreas | | | |
| Note: TGL 4 - NCL | | | |
| * Pituitary Gland | Pars Distalis | Angiectasis | Mild |
| * Preputial Gland | | Squamous Cell Carcinoma | |
| [Squamous Cell Carcinoma TGLs = 1-7B] | | | |
| * Prostate | | Inflammation | Suppurative, Mild |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Minimal |
| * Testes | Interstit Cell | Adenoma | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2062

TRT#: 4

SEX: Male

DAY ON TEST: 466

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802062

ORGAN AND ACCOUNTABLE SITE STATUS

Note: WT requested for TGL 2 located on slide 7D

[Adenoma TGLs = 2-7D]

* Thymus

Atrophy

Moderate

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Urinary Bladder

Lumen

Dilatation

Mild

[Dilatation TGLs = 3-8A]

PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Carcinoma

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2071

TRT#: 4

SEX: Male

DAY ON TEST: 515

DOSE: 0.0875 GLYCID

DISP: Natural Death

HISTO: 021500802071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Epididymis	* Esophagus	* Harderian Gland	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skeletal Muscle	* Skin	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Seminal Vesicle	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland			

OBSERVATIONS

* Eye	Bilateral, Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Mammary GI			
Note: No RC per pathologist			
* Spleen		Accessory Spleen	
	[Accessory Spleen TGLs = 3-9A]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1,2-7+7B]		
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2072

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500802072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Epididymis	Epithelium	Degeneration	Mild
		Hypospermia	Marked
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Moderate
* Lymph Node, Mandibular	Sinus	Dilatation	Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 6-2A]		
* Pancreas	Acinus	Degeneration	Marked
* Preputial Gland		Inflammation	Suppurative, Marked
* Prostate	Epithelium	Hyperplasia	Mild
* Seminal Vesicle		Atrophy	Moderate
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Fibrosis	Moderate
		Pigmentation	Marked

Note: TGL 5 - NCL

[Fibrosis TGLs = 4-9A]

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2072

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500802072

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
[Adenoma TGLs = 2,3-7B+7]			
* Thymus		Atrophy	Marked
* Urinary Bladder	Lumen	Dilatation	Marked
[Dilatation TGLs = 1-8]			

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2081

TRT#: 4

SEX: Male

DAY ON TEST: 647

DOSE: 0.0875 GLYCID

DISP: Natural Death

HISTO: 021500802081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Esophagus	* Harderian Gland
* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland	* Prostate
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Peripheral Nerve, Sciatic
* Seminal Vesicle	* Spinal Cord, Lumbar		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Brain, Brain Stem		Leukemia Mononuclear	
* Brain, Cerebellum		Leukemia Mononuclear	
* Brain, Cerebrum		Leukemia Mononuclear	
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Deformity	
		Leukemia Mononuclear	
		Necrosis	Marked
		Thrombosis	Marked

[Deformity TGLs = 7-3A]

[Leukemia Mononuclear TGLs = 6-3]

[Necrosis TGLs = 8,9-3B+3C]

[Thrombosis TGLs = 8-3B]

* Lung		Leukemia Mononuclear	
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* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2081

TRT#: 4

SEX: Male

DAY ON TEST: 647

DOSE: 0.0875 GLYCID

DISP: Natural Death

HISTO: 021500802081

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 11-17]		
[Leukemia Mononuclear	TGLs = 12-17A]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Mild
* Pancreas	Acinus	Degeneration	Moderate
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Mild
		Inflammation	Suppurative, Mild
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 4,5-9+9A]		
* Stomach, Glandular		Necrosis	Moderate
		Pigmentation	Moderate
[Necrosis	TGLs = 10-12A]		
[Pigmentation	TGLs = 10-12A]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
[Adenoma	TGLs = 2,3-7+7B]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2082

TRT#: 4

SEX: Male

DAY ON TEST: 717

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Blood Vessel | * Bone, Femur | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mesenteric | * Nose |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-----------------------------|--------------------|---------------------------|----------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Bone Marrow | | Atrophy | Marked |
| * Brain, Brain Stem | | Compression | Marked |
| [Compression TGLs = 9-1A] | | | |
| * Epididymis | Epithelium | Degeneration | Moderate |
| | | Hypospermia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| [Thrombosis TGLs = 10-2] | | Thrombosis | Marked |
| * Int Sm Duoden | | | |
| Note: TGL 11 - NCL | | | |
| * Kidney | | Nephropathy | Marked |
| [Nephropathy TGLs = 3-8] | | | |
| * Liver | | Vacuolization Cytoplasmic | Marked |
| Note: TGL 4 - NCL | | | |
| Note: TGL 5 - NCL | | | |
| * Lung | | Pigmentation | Mild |
| Lymph Node | Renal, Sinus | Dilatation | Moderate |
| | Mediastinal, Sinus | Dilatation | Mild |
| | Renal | Hemorrhage | Mild |
| [Dilatation TGLs = 6-17] | | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2082

TRT#: 4

SEX: Male

DAY ON TEST: 717

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802082

ORGAN AND ACCOUNTABLE SITE STATUS

[Dilatation TGLs = 7-17A] [Hemorrhage TGLs = 6-17]			
* Lymph Node, Mandibular	Sinus	Dilatation Infiltration Cellular	Mild Plasma Cell, Moderate
* Mammary Gland		Galactoceles	Mild
* Pancreas	Acinus	Degeneration	Mild
Note: TGL 12 - NCL			
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 8-9A]			
* Preputial Gland	Acinus Duct	Degeneration Ectasia Inflammation	Moderate Moderate Suppurative, Moderate
[Degeneration TGLs = 1-7] [Ectasia TGLs = 1-7] [Inflammation TGLs = 1-7]			
* Prostate		Inflammation	Suppurative, Moderate
* Seminal Vesicle		Atrophy	Moderate
* Spinal Cord, Lumbar	Nerve Nerve	Degeneration Gliosis	Mild Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation Ulcer	Moderate Chronic Active, Moderate Marked
[Hyperplasia TGLs = 13-12A] [Inflammation TGLs = 13-12A] [Ulcer TGLs = 13-12A]			
* Testes	Seminif Tub	Degeneration	Marked
[Degeneration TGLs = 2-7]			
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2082

TRT#: 4

SEX: Male

DAY ON TEST: 717

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802082

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2091

TRT#: 4

SEX: Male

DAY ON TEST: 683

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
* Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-3]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular	Follicular Sinus	Carcinoma	Metastatic (Thyroid Gland)
		Dilatation	Moderate
		Infiltration Cellular	Plasma Cell, Marked
	[Dilatation TGLs = 2-10+10A]		
	[Infiltration Cellular TGLs = 2-10+10A]		
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Marked
* Nose		Inflammation	Suppurative, Mild
* Pancreas	Acinus	Degeneration	Marked
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2091

TRT#: 4

SEX: Male

DAY ON TEST: 683

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802091

ORGAN AND ACCOUNTABLE SITE STATUS

* Peripheral Nerve, Sciatic	Axon	Degeneration	Mild
* Pituitary Gland	Pars Nervosa, Rathkes Cleft	Degeneration	Mild
	Pars Distalis	Hyperplasia	Marked
		Leukemia Mononuclear	
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Marked
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-9]		
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 4-7B]		
	[Degeneration TGLs = 3-7+7B]		
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Carcinoma	
	[Carcinoma TGLs = 7-6]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2092

TRT#: 4

SEX: Male

DAY ON TEST: 715

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
		Pheochromocytoma Malignant	
	[Pheochromocytoma Malignant TGLs = 4-9]		
* Bone Marrow		Hyperplasia	Mild
* Epididymis	Epithelium	Degeneration	Moderate
		Hypospermia	Marked
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Schwannoma Malignant	
		Thrombosis	Marked
	[Thrombosis TGLs = 7-2]		
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 5-8]		
* Liver		Pigmentation	Moderate
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
	[Infiltration Cellular TGLs = 1-10+10A]		
* Mammary Gland	Alveolus	Hyperplasia	Marked
		Lactation	Marked
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2092

TRT#: 4

SEX: Male

DAY ON TEST: 715

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802092

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLs = 8-9A]	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Suppurative, Moderate
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach [Hyperplasia TGLs = 9-12A]	Epithelium	Hyperplasia	Mild
* Testes [Adenoma TGLs = 2,3-7]	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
* Thymus Note: RC/WT attempted			
* Thyroid Gland [Carcinoma TGLs = 6-6]	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH - Adrenal Medulla Pheochromocytoma Malignant

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2141

TRT#: 2

SEX: Male

DAY ON TEST: 635

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain, Brain Stem		Granular Cell Tumor Benign	
* Epididymis	Epithelium	Degeneration	Moderate
		Hypospermia	Moderate
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
		Pigmentation	Moderate
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 9-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic, Sinus	Dilatation	Mild
	Pancreatic	Leukemia Mononuclear	
	[Dilatation TGLs = 7-9A]		
	[Leukemia Mononuclear TGLs = 7-9A]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Plasma Cell, Mild
		Leukemia Mononuclear	
	[Hyperplasia TGLs = 2-10+10A]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide

CAS Number: 5694-00-8

Date Report Requested: 01/20/2011

Time Report Requested: 12:30:41

First Dose M/F: 05/30/05 / 05/30/05

Lab: NCTR

ANIMAL ID: 2141

TRT#: 2

SEX: Male

DAY ON TEST: 635

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802141

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLs = 2-10+10A]			
[Leukemia Mononuclear TGLs = 2-10+10A]			
* Lymph Node, Mesenteric	Sinus	Dilatation Leukemia Mononuclear	Moderate
[Dilatation TGLs = 8-11]			
[Leukemia Mononuclear TGLs = 8-11]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLs = 3-2A]			
Oral Mucosa	Epithelium	Hyperplasia	Marked
[Hyperplasia TGLs = 11-17]			
* Pancreas	Acinus	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia Inflammation	Marked Suppurative, Marked
[Degeneration TGLs = 1-7]			
[Ectasia TGLs = 1-7]			
[Inflammation TGLs = 1-7]			
* Prostate		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Atrophy	Marked
* Spinal Cord, Cervical		Leukemia Mononuclear	
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
		Leukemia Mononuclear	
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
Note: TGL 7 - Noted grossly as Spleen was Lymph node, pancreatic			
[Leukemia Mononuclear TGLs = 6-9]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Moderate
[Adenoma TGLs = 5-7B]			
[Degeneration TGLs = 4-7+7B]			

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2141

TRT#: 2

SEX: Male

DAY ON TEST: 635

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802141

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus Note: TGL 10 - NCL		Atrophy	Marked
* Thyroid Gland	Follicular Cel C Cell	Adenoma Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL 11 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2142

TRT#: 2

SEX: Male

DAY ON TEST: 674

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Thoracic	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
[Vacuolization Cytoplasmic TGLs = 4-9]			
* Brain, Brain Stem		Compression	Minimal
[Compression TGLs = 11-1A]			
* Brain, Cerebrum	Ventricle	Dilatation	Mild
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
		Mesothelioma Malignant	
* Intestine Large, Cecum	Lumen	Dilatation	Moderate
[Dilatation TGLs = 7-12]			
* Intestine Small, Duodenum	Epithelium	Hyperplasia	Marked
[Hyperplasia TGLs = 8-12]			
* Intestine Small, Ileum	Epithelium	Hyperplasia	Moderate
* Kidney		Nephropathy	Marked
[Nephropathy TGLs = 5-8]			
* Liver	Hepatocyte	Degeneration	Marked
	Biliar Tract	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Marked
[Hyperplasia TGLs = 9-3]			

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2142

TRT#: 2

SEX: Male

DAY ON TEST: 674

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802142

ORGAN AND ACCOUNTABLE SITE STATUS

[Vacuolization Cytoplasmic TGLs = 9-3]			
* Lym Node Mesen			
Note: TGL 14 - NCL			
Lymph Node	Mediastinal	Hemorrhage	Marked
[Hemorrhage TGLs = 10-17]			
* Mammary GI			
Note: RC attempted			
* Pancreas	Acinar Cell	Hyperplasia	Marked
* Parathyroid GI			
Note: No RC per pathologist			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 12-9A]			
* Preputial Gland	Acinus	Degeneration	Moderate
		Inflammation	Suppurative, Moderate
* Prostate		Inflammation	Suppurative, Marked
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLs = 3-7A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
		Hemorrhage	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Depletion Lymphoid	Marked
		Pigmentation	Marked
[Depletion Lymphoid TGLs = 6-9]			
[Pigmentation TGLs = 6-9]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
		Ulcer	Moderate
[Hyperplasia TGLs = 13-12A]			
[Ulcer TGLs = 13-12A]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2142

TRT#: 2

SEX: Male

DAY ON TEST: 674

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802142

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 2-7B]

[Degeneration TGLs = 1-7+7B]

* Thymus

Atrophy

Marked

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2151

TRT#: 2

SEX: Male

DAY ON TEST: 691

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Mammary Gland | * Nose |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Salivary Glands |
| * Seminal Vesicle | * Skeletal Muscle | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | | | |

OBSERVATIONS

- | | | | |
|--------------------------|---|---------------------------|-----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Minimal |
| * Bone Marrow | | Hyperplasia | Mild |
| * Epididymis | Epithelium | Degeneration | Moderate |
| | | Hypospermia | Moderate |
| * Heart | | Schwannoma Malignant | |
| | [Schwannoma Malignant TGLs = 8-2] | | |
| * Kidney | | Nephropathy | Marked |
| | [Nephropathy TGLs = 11-8] | | |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | Note: TGL 12 - NCL | | |
| Lymph Node | Inguinal | Hyperplasia | Lymphoid, Moderate |
| | Inguinal | Infiltration Cellular | Plasma Cell, Moderate |
| | [Hyperplasia TGLs = 9-17] | | |
| | [Infiltration Cellular TGLs = 9-17] | | |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Mammary GI | | | |
| | Note: TGL 2 - Noted grossly as Mammary gland was Skin | | |
| * Pancreas | Acinus | Degeneration | Mild |
| * Preputial Gland | | Squamous Cell Carcinoma | |
| | [Squamous Cell Carcinoma TGLs = 1-7B] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2151

TRT#: 2

SEX: Male

DAY ON TEST: 691

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802151

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Suppurative, Mild
* Skin		Basal Cell Adenoma	
		Keratoacanthoma	
	[Basal Cell Adenoma TGLs = 2-2A]		
	[Keratoacanthoma TGLs = 10-2B]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
		Pigmentation	Mild
	[Fibrosis TGLs = 6-9A]		
	[Hematopoietic Cell Proliferation TGLs = 7-9]		
	[Pigmentation TGLs = 6-9A]		
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	Note: TGL 3 - NCL		
	[Adenoma TGLs = 4-7C]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder	Lumen	Dilatation	Marked
	[Dilatation TGLs = 5-8]		

PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2152

TRT#: 2

SEX: Male

DAY ON TEST: 574

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
[Accessory Adrenal Cortical Nodule TGLs = 5-9]			
* Brain, Brain Stem		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Moderate
		Schwannoma Malignant	
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Pigmentation	Moderate
Note: TGL 2 - NCL			
Note: TGL 3 - NCL			
* Lung	Bronchus	Inflammation	Suppurative, Marked
[Inflammation TGLs = 6-4]			
Lymph Node			
Note: TGL 4 - NCL (Lymph node, mediastinal, enlarged)			
Note: WT attempted			
* Lymph Node, Mandibular	Sinus	Dilatation	Mild
		Hyperplasia	Lymphoid, Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2152

TRT#: 2

SEX: Male

DAY ON TEST: 574

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802152

ORGAN AND ACCOUNTABLE SITE STATUS

Hemorrhage Marked
 Inflammation Suppurative, Marked

[Adenoma TGLs = 7-9A]
 [Hemorrhage TGLs = 7-9A]
 [Inflammation TGLs = 7-9A]

Hemangioma

* Preputial Gland
 Note: TGL 8 - NCL

Inflammation Suppurative, Moderate

* Prostate

Cyst Epithelial Inclusion

* Skin

[Cyst Epithelial Inclusion TGLs = 1-2A]

Degeneration Minimal

* Spinal Cord, Thoracic

Nerve

Hemorrhage Mild

* Testes

Seminif Tub

Degeneration Mild

Interstit Cell

Hyperplasia Minimal

* Thymus

Atrophy Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2162

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500802162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
	[Vacuolization Cytoplasmic TGLs = 10-9]		
* Eye		Cataract	Marked
	Retina	Degeneration	Moderate
		Melanoma Malignant	
	[Melanoma Malignant TGLs = 18-13]		
* Heart		Cardiomyopathy	Mild
		Schwannoma Malignant	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
	[Leukemia Mononuclear TGLs = 11-8]		
	[Nephropathy TGLs = 11-8]		
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 13-3]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Note: TGL 17 located on slide 4 with the routine Lung section; not 4A		
	[Infiltration Cellular TGLs = 17-4]		
Lymph Node	Renal, Sinus	Dilatation	Moderate
	Mediastinal, Sinus	Dilatation	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2162	TRT#: 2	SEX: Male	DAY ON TEST: 737
	DOSE: 0.35 GLYCID	DISP: Terminal Sacrifice	HISTO: 021500802162

ORGAN AND ACCOUNTABLE SITE STATUS

	Mediastinal	Hemorrhage	Mild
	[Dilatation TGLs = 12-17]		
	[Dilatation TGLs = 14-17A]		
	[Hemorrhage TGLs = 14-17A]		
* Lymph Node, Mandibular	Sinus	Dilatation Infiltration Cellular	Moderate Plasma Cell, Mild
	[Dilatation TGLs = 3-10+10A]		
	[Infiltration Cellular TGLs = 3-10+10A]		
* Lymph Node, Mesenteric	Sinus	Dilatation	Moderate
* Mammary Gland		Galactocele	Marked
	[Galactocele TGLs = 1,2-2A+2B]		
* Nose		Inflammation	Suppurative, Mild
Oral Mucosa		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 16-17C]		
* Pancreas	Acinus	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 19-9]		
* Preputial Gland	Acinus Duct	Degeneration Ectasia Inflammation Necrosis	Moderate Marked Chronic Active, Marked Marked
	[Degeneration TGLs = 4-7B]		
	[Ectasia TGLs = 4-7B]		
	[Inflammation TGLs = 4-7B]		
	[Necrosis TGLs = 4-7B]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve Axon	Degeneration Degeneration	Mild Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis Leukemia Mononuclear	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2162

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500802162

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLs = 9-9B]			
[Leukemia Mononuclear TGLs = 8-9A]			
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration	Moderate
[Adenoma TGLs = 5,6-7]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel C Cell	Adenoma Hyperplasia	Moderate
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLs = 15-17B]			
* Urinary Bladder	Lumen	Dilatation	Marked
[Dilatation TGLs = 7-8]			

Animal Note: TGL 16 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2171

TRT#: 2

SEX: Male

DAY ON TEST: 680

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Cerebellum |
| * Brain, Cerebrum | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Spinal Cord, Cervical | * Thyroid Gland |
| * Trachea | | | |

OBSERVATIONS

- | | | | |
|--|----------------|---------------------------|---------------------|
| * Adrenal Cortex
Note: TGL 9 - NCL | | Vacuolization Cytoplasmic | Marked |
| * Adren Medulla
Note: TGL 9 - NCL | | | |
| * Bone Marrow | | Atrophy | Marked |
| * Brain, Brain Stem
[Compression TGLs = 13-1A] | | Compression | Mild |
| * Epididymis | Epithelium | Degeneration | Moderate |
| | | Hypospermia | Marked |
| * Esophagus
[Inflammation TGLs = 11-6A]
[Ulcer TGLs = 11-6A] | | Inflammation | Suppurative, Marked |
| | | Ulcer | Marked |
| * Heart | | Cardiomyopathy | Mild |
| * Int Sm Duoden
Note: TGL 16 - NCL | | | |
| * Kidney
[Hyperplasia TGLs = 10-8]
[Nephropathy TGLs = 10-8] | Transit Epithe | Hyperplasia | Moderate |
| | | Nephropathy | Marked |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Vacuolization Cytoplasmic | Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2171

TRT#: 2

SEX: Male

DAY ON TEST: 680

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802171

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Galactocele	Marked
	Alveolus	Hyperplasia	Moderate
	[Fibroadenoma TGLs = 2-2B]		
	[Galactocele TGLs = 2,3,4,5-2B+2C+2D+2E]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 12-9A]		
* Preputial Gland		Adenoma	
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
	[Adenoma TGLs = 6-7]		
	[Ectasia TGLs = 6-7]		
	[Inflammation TGLs = 6-7]		
* Prostate		Inflammation	Suppurative, Marked
* Seminal Vesicle		Atrophy	Moderate
* Skin		Hyperkeratosis	Marked
	Epithelium	Hyperplasia	Moderate
	[Hyperkeratosis TGLs = 1-2A]		
	[Hyperplasia TGLs = 1-2A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Moderate
		Ulcer	Marked
	[Hyperplasia TGLs = 15-12B]		
	[Inflammation TGLs = 15-12B]		
	[Ulcer TGLs = 15-12B]		
* Stomach, Glandular	Epithelium	Degeneration	Mild
Note: TGL 14 - NCL			

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2171

TRT#: 2

SEX: Male

DAY ON TEST: 680

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802171

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
[Adenoma TGLs = 7-7B]			
[Degeneration TGLs = 8-7]			
* Thymus		Atrophy	Marked
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2172

TRT#: 2

SEX: Male

DAY ON TEST: 488

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|--------------------------|--------------------------------------|---------------------------|----------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Minimal |
| | | Leukemia Mononuclear | |
| * Kidney | | Nephropathy | Mild |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 3-3] | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Preputial Gland | Acinus | Degeneration | Moderate |
| * Spleen | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 2-9A] | | |
| * Testes | Interstitial Cell | Adenoma | |
| | [Adenoma TGLs = 1-7] | | |
| * Thymus | | Atrophy | Marked |

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2181

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500802181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skeletal Muscle | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-----------------------------|---------------------------------|--|---|
| * Epididymis | Epithelium | Degeneration
Hypospermia | Moderate
Marked |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Marked |
| | [Nephropathy TGLs = 6-8] | | |
| * Liver | | Degeneration | Cystic, Minimal |
| | Bile Duct | Hyperplasia
Leukemia Mononuclear
Mixed Cell Focus | Mild |
| | [Mixed Cell Focus TGLs = 7-3] | | |
| * Lymph Node, Mandibular | Sinus | Dilatation
Hyperplasia
Infiltration Cellular
Leukemia Mononuclear | Marked
Lymphoid, Mild
Plasma Cell, Moderate |
| * Lymph Node, Mesenteric | | | |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| * Preputial Gland | Acinus | Degeneration | Moderate |
| * Prostate | Epithelium | Hyperplasia
Inflammation | Mild
Chronic Active, Mild |
| * Seminal Vesicle | | Atrophy | Marked |
| | [Atrophy TGLs = 4-7A] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2181

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500802181

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLs = 1-2A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
		Pigmentation	Moderate
	[Fibrosis TGLs = 5-9]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 2,3-7B+7]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2182

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500802182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 2-8]		
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lymph Node	Renal, Sinus	Dilatation	Moderate
	Lumbar, Sinus	Dilatation	Moderate
	Renal	Infiltration Cellular	Plasma Cell, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Marked
Note: TGL 7 - Noted grossly as Lymph node, pancreatic was Pancreas			
	[Dilatation TGLs = 3-17]		
	[Dilatation TGLs = 4-17A]		
	[Infiltration Cellular TGLs = 3-17]		
	[Infiltration Cellular TGLs = 4-17A]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Marked
* Mammary Gland		Lactation	Mild
* Pancreas	Acinar Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2182

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500802182

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 7-17B]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 6-9A]			
* Preputial Gland	Duct	Adenoma Ectasia Inflammation	Marked Suppurative, Marked
[Adenoma TGLs = 1-7B]			
[Ectasia TGLs = 1-7B]			
[Inflammation TGLs = 1-7B]			
* Prostate		Inflammation	Suppurative, Mild
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Testes	Seminif Tub	Degeneration Polyarteritis	Mild Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLs = 5-6]			

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2191

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Prostate | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|---|------------|--|----------------|
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | Epithelium | Degeneration | Marked |
| | | Hypospermia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| * Kidney | | Nephropathy | Marked |
| * Liver | | Basophilic Focus | |
| | | Degeneration | Cystic, Marked |
| | | Eosinophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| Note: TGL 13 also located on slide 3 with the routine Liver section | | | |
| | | [Degeneration TGLs = 13-3A+3] | |
| Lymph Node | Pancreatic | Hyperplasia | Lymphoid, Mild |
| | Renal | Leukemia Mononuclear | |
| | Axillary | Leukemia Mononuclear | |
| | Lumbar | Leukemia Mononuclear | |
| | | [Hyperplasia TGLs = 6-17A] | |
| | | [Leukemia Mononuclear TGLs = 9-17B] | |
| | | [Leukemia Mononuclear TGLs = 10-17C] | |
| | | [Leukemia Mononuclear TGLs = 11-17D] | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2191

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802191

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular	Sinus	Dilatation Hyperplasia Infiltration Cellular	Marked Lymphoid, Moderate Plasma Cell, Moderate
[Dilatation TGLs = 3-10+10A]			
[Hyperplasia TGLs = 3-10+10A]			
[Infiltration Cellular TGLs = 3-10+10A]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLs = 12-2A]			
Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLs = 14-17E]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Ectasia Inflammation	Marked Suppurative, Moderate
[Ectasia TGLs = 1-7]			
[Inflammation TGLs = 1-7]			
* Seminal Vesicle		Atrophy	Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Fibrosis Leukemia Mononuclear	Moderate
[Fibrosis TGLs = 5-9A]			
[Leukemia Mononuclear TGLs = 4-9]			
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
[Adenoma TGLs = 7,8-7B+7C]			
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Moderate
	C Cell	Hyperplasia	Mild
	Follicular Cel	Hyperplasia	Mild
Zymbal's Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2191

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802191

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLs = 2-17]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL 14 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2192

TRT#: 3

SEX: Male

DAY ON TEST: 537

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Liver | * Lung | * Mammary Gland | * Nose |
| * Parathyroid Gland | * Prostate | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Stomach, Forestomach |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|-----------------------------|------------------------------|---------------------------|-------------------|
| * Bone Marrow | | Hyperplasia | Moderate |
| * Epididymis | Epithelium | Degeneration | Mild |
| | | Hypospermia | Marked |
| | [Degeneration TGLs = 3-7B] | | |
| | [Hypospermia TGLs = 3-7B] | | |
| * Eye | Sclera | Metaplasia | Osseous, Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Marked |
| | | Pigmentation | Mild |
| | [Nephropathy TGLs = 7-8] | | |
| | [Pigmentation TGLs = 7-8] | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| Mesentery | | Hemorrhage | Moderate |
| | Fat | Necrosis | Mild |
| | [Hemorrhage TGLs = 5-17] | | |
| | [Necrosis TGLs = 5-17] | | |
| * Pancreas | | Vacuolization Cytoplasmic | Mild |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Preputial Gland | Duct | Ectasia | Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2192	TRT#: 3	SEX: Male	DAY ON TEST: 537
	DOSE: 0.175 GLYCID	DISP: Moribund Sacrifice	HISTO: 021500802192

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Suppurative, Marked
[Ectasia TGLs = 1-7C]			
[Inflammation TGLs = 1-7C]			
* Seminal Vesicle		Atrophy	Moderate
[Atrophy TGLs = 4-7A]			
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
		Hemorrhage	Marked
		Necrosis	Marked
[Hemorrhage TGLs = 6-9A]			
[Necrosis TGLs = 6-9A]			
* Stomach, Glandular		Inflammation	Chronic Active, Moderate
		Necrosis	Marked
[Inflammation TGLs = 9-12A]			
[Necrosis TGLs = 9-12A]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLs = 2-7]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLs = 8-6]			

PRIMARY CAUSE OF DEATH - Thyroid Gland Follicular Cel Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2201

TRT#: 3

SEX: Male

DAY ON TEST: 725

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|-----------------------------|---------------------------|-----------------------------|
| * Blood Vessel | * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------|--------------|--|------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| | | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | Epithelium | Degeneration | Moderate |
| | | Hypospermia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Marked |
| | | [Leukemia Mononuclear TGLs = 9-8] | |
| | | [Nephropathy TGLs = 9-8] | |
| * Liver | Bile Duct | Degeneration | Cystic, Mild |
| | | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | | Pigmentation | Moderate |
| | | Vacuolization Cytoplasmic | Mild |
| | | [Leukemia Mononuclear TGLs = 10-3] | |
| * Lung | | Infiltration Cellular | Histiocyte, Mild |
| | | Leukemia Mononuclear | |
| | | [Infiltration Cellular TGLs = 12-4A] | |
| Lymph Node | Renal, Sinus | Dilatation | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2201

TRT#: 3

SEX: Male

DAY ON TEST: 725

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802201

ORGAN AND ACCOUNTABLE SITE STATUS

	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Dilatation TGLs = 11-17A]		
	[Leukemia Mononuclear TGLs = 8-17]		
	[Leukemia Mononuclear TGLs = 11-17A]		
	[Leukemia Mononuclear TGLs = 13-17B]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Mild
* Pancreas	Acinus	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 14-9B]		
* Preputial Gland		Adenoma	
		Cyst	Marked
	Duct	Ectasia	Mild
		Inflammation	Suppurative, Marked
		Squamous Cell Carcinoma	
	[Adenoma TGLs = 2-7B]		
	[Cyst TGLs = 2-7B]		
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
	[Squamous Cell Carcinoma TGLs = 2-7B]		
* Prostate		Inflammation	Suppurative, Moderate
* Seminal Vesicle		Atrophy	Moderate
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
	[Fibrosis TGLs = 6,7-9+9A]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2201

TRT#: 3

SEX: Male

DAY ON TEST: 725

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802201

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 5-9]

* Testes

Bilateral, Interstit Cell
Seminif Tub

Adenoma
Degeneration

Marked

[Adenoma TGLs = 3,4-7C+7D]

* Thymus

Atrophy

Marked

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2202

TRT#: 3

SEX: Male

DAY ON TEST: 449

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Epididymis |
| * Esophagus | * Eye | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--------------------------|---------------------------------------|---------------------------|-------------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Harderian Gland | Acinus | Degeneration | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Inflammation | Chronic Active, Minimal |
| | | Vacuolization Cytoplasmic | Mild |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| | [Infiltration Cellular TGLs = 2-4A] | | |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Minimal |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 1-2A] | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Preputial Gland | Acinus | Degeneration | Mild |
| | | Inflammation | Suppurative, Mild |
| * Spleen | | Pigmentation | Mild |
| * Testes | Interstit Cell | Hyperplasia | Mild |
| * Thymus | | Atrophy | Marked |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2211

TRT#: 3

SEX: Male

DAY ON TEST: 640

DOSE: 0.175 GLYCID

DISP: Natural Death

HISTO: 021500802211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-------------------------|-----------------------|-------------------------|------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Epididymis | * Esophagus |
| * Harderian Gland | * Islets, Pancreatic | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach |
| * Trachea | * Urinary Bladder | | |

AUTO PRECLUDES DIAG.

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Eye | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Stomach, Glandular |

OBSERVATIONS

- | | | | |
|--------------------------|---|----------------------------|----------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Adrenal Medulla | | Pheochromocytoma Malignant | |
| | [Pheochromocytoma Malignant TGLs = 3-9] | | |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | Multiple |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| Note: TGL 5 - NCL | | | |
| Note: TGL 7 - NCL | | | |
| Note: TGL 8 - NCL | | | |
| Note: TGL 9 - NCL | | | |
| | [Eosinophilic Focus TGLs = 6-3B] | | |
| | [Hyperplasia TGLs = 4-3] | | |
| | [Leukemia Mononuclear TGLs = 4-3] | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2211

TRT#: 3

SEX: Male

DAY ON TEST: 640

DOSE: 0.175 GLYCID

DISP: Natural Death

HISTO: 021500802211

ORGAN AND ACCOUNTABLE SITE STATUS

* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland		Leukemia Mononuclear	
Note: TGL 10 - NCL			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 2-9]		
* Testes	Interstit Cell	Adenoma	
Note: TGL 1 - NCL			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2212

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500802212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Epididymis	Epithelium	Degeneration Hypospermia	Moderate Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Degeneration Hyperplasia	Cystic, Minimal Mild
* Lymph Node, Mandibular		Hyperplasia Infiltration Cellular	Lymphoid, Mild Plasma Cell, Mild
	[Hyperplasia TGLs = 3-10+10A] [Infiltration Cellular TGLs = 3-10+10A]		
* Mammary Gland		Fibroadenoma Galactocele	Mild
	Alveolus	Hyperplasia	Marked
	[Fibroadenoma TGLs = 1-2A] [Galactocele TGLs = 2-2B] [Hyperplasia TGLs = 2-2B]		
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Acinus	Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2212

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500802212

ORGAN AND ACCOUNTABLE SITE STATUS

	Duct	Ectasia	Marked
		Inflammation	Chronic Active, Mild
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
* Seminal Vesicle	Lumen	Dilatation	Mild
	[Dilatation TGLs = 7-7A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Pigmentation	Marked
	Note: TGL 8 - NCL		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 4,5-7B]		
	[Degeneration TGLs = 6-7B]		
* Thymus		Atrophy	Marked

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2261

TRT#: 5

SEX: Male

DAY ON TEST: 527

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500802261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular	Sinus	Dilatation	Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Moderate
* Preputial Gland		Hyperplasia	Lymphoid, Minimal
	[Squamous Cell Carcinoma TGLs = 1-7+7B]	Squamous Cell Carcinoma	
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid GI			

Note: TGL 2 - NCL

PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2262

TRT#: 5

SEX: Male

DAY ON TEST: 724

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500802262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Skeletal Muscle	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain, Brain Stem		Compression	Mild
	[Compression TGLs = 13-1A]		
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
* Eye	Bilateral, Retina	Degeneration	Moderate
* Heart		Leukemia Mononuclear	
		Thrombosis	Moderate
	[Thrombosis TGLs = 10-2]		
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
	[Leukemia Mononuclear TGLs = 7-8]		
	[Nephropathy TGLs = 7-8]		
* Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 8-3]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 15-4]		
Lymph Node	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2262	TRT#: 5	SEX: Male	DAY ON TEST: 724
	DOSE: CONTROL WATER	DISP: Moribund Sacrifice	HISTO: 021500802262

ORGAN AND ACCOUNTABLE SITE STATUS

	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 9-17]		
	[Leukemia Mononuclear TGLs = 11-17A]		
* Lymph Node, Mandibular	Sinus	Dilatation	Moderate
		Leukemia Mononuclear	
Note: TGL 1 also located on slide 10B			
	[Dilatation TGLs = 1-10+10A+10B]		
	[Leukemia Mononuclear TGLs = 1-10+10A+10B]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Minimal
* Pancreas	Acinus	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLs = 14-9A]		
	[Leukemia Mononuclear TGLs = 14-9A]		
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
		Squamous Cell Carcinoma	
	[Ectasia TGLs = 2-7]		
	[Inflammation TGLs = 2-7]		
	[Squamous Cell Carcinoma TGLs = 2-7]		
* Prostate		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Seminal Vesicle		Atrophy	Marked
	[Atrophy TGLs = 5-7A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
	Nerve	Gliosis	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2262

TRT#: 5

SEX: Male

DAY ON TEST: 724

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500802262

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 6-9]			
* Stomach, Glandular		Inflammation Necrosis	Chronic Active, Mild Moderate
[Inflammation TGLs = 12-12A]			
[Necrosis TGLs = 12-12A]			
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
[Adenoma TGLs = 3,4-7]			
* Thymus			
Note: RE/WT attempted			
* Thyroid Gland	Follicular Cel	Adenoma	
[Adenoma TGLs = 16-6]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2271

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Mammary Gland | * Nose | * Parathyroid Gland |
| * Prostate | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|-----------------------------|---------------|---------------------------|-----------------------|
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Epididymis | Epithelium | Degeneration | Marked |
| | | Hypospermia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| * Islets, Pancreatic | | Adenoma | |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | | Mixed Cell Focus | |
| | | Vacuolization Cytoplasmic | Mild |
| Note: TGL 3 - NCL | | | |
| Note: TGL 4 - NCL | | | |
| * Lymph Node, Mandibular | Sinus | Dilatation | Marked |
| | | Infiltration Cellular | Plasma Cell, Moderate |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Plasma Cell, Moderate |
| * Pancreas | Acinus | Degeneration | Mild |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Marked |
| * Preputial Gland | Duct | Ectasia | Marked |
| | | Inflammation | Suppurative, Marked |
| * Seminal Vesicle | | Atrophy | Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2271

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802271

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
[Adenoma TGLs = 1,2-7]			
* Thymus		Atrophy	Marked

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2272

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Nose	* Pancreas	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Epididymis	Epithelium	Degeneration	Mild
		Hypospermia	Marked
* Eye	Retina	Degeneration	Marked
		Phthisis Bulbi	Marked
	[Phthisis Bulbi TGLs = 3,4-13]		
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
* Lung		Pigmentation	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Lactation	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5-9A]		
* Preputial Gland	Acinus	Degeneration	Moderate
		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2272

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802272

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Cyst Multilocular	Moderate
		Inflammation	Suppurative, Moderate
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Mild
		Pigmentation	Moderate
	[Fibrosis TGLs = 2-9]		
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 1-7]		
* Thymus		Atrophy	Marked

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2281

TRT#: 5

SEX: Male

DAY ON TEST: 516

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500802281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Epididymis | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|----------------------------------|---------------|---------------------------|-------------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Brain, Brain Stem | | Compression | Moderate |
| [Compression TGLs = 4-1] | | | |
| * Brain, Cerebrum | Ventricle | Dilatation | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Marked |
| [Nephropathy TGLs = 3-8] | | | |
| * Liver | | Inflammation | Chronic Active, Minimal |
| * Mammary Gland | | Galactocele | Moderate |
| | | Lactation | Moderate |
| [Galactocele TGLs = 1,2-2A+2B] | | | |
| [Lactation TGLs = 1,2-2A+2B] | | | |
| * Pancreas | Acinus | Degeneration | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLs = 5-9A] | | | |
| * Preputial Gland | Acinus | Degeneration | Moderate |
| | Duct | Ectasia | Moderate |
| | | Inflammation | Chronic Active, Mild |
| * Prostate | | Inflammation | Suppurative, Mild |
| * Spleen | | Pigmentation | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2281

TRT#: 5

SEX: Male

DAY ON TEST: 516

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500802281

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2282

TRT#: 5

SEX: Male

DAY ON TEST: 725

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500802282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain, Cerebrum		Glioma Malignant	
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
* Eye	Bilateral, Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
		Thrombosis	Marked
	[Thrombosis TGLs = 15-2]		
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 12-8]		
* Liver		Degeneration	Cystic, Marked
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Marked
	Hepatocyte	Hyperplasia	Marked
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Marked
	[Hyperplasia TGLs = 6,7,8,9,10,11-3A+3B+3C+3D+3+3E]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Lymph Node, Mandibular	Sinus	Dilatation	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2282

TRT#: 5

SEX: Male

DAY ON TEST: 725

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500802282

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland	Alveolus	Leukemia Mononuclear	
		Hyperplasia	Marked
		Lactation	Marked
* Nose		Inflammation	Suppurative, Mild
Oral Mucosa		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLs = 14-17]		
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 13-9]	Leukemia Mononuclear	
* Preputial Gland	Acinus	Degeneration	Moderate
		Inflammation	Chronic Active, Minimal
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Marked
	[Fibrosis TGLs = 5-9A]	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-9]		
* Stomach, Forestomach		Edema	Moderate
	Epithelium	Hyperplasia	Moderate
	[Hyperplasia TGLs = 16-12A]		
* Stomach, Glandular		Edema	Mild
	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Moderate
	[Hyperplasia TGLs = 17-12A]		
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2282

TRT#: 5

SEX: Male

DAY ON TEST: 725

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500802282

ORGAN AND ACCOUNTABLE SITE STATUS

	Seminif Tub	Degeneration	Marked
[Adenoma TGLs = 2-7B]			
[Degeneration TGLs = 3-7]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL 1 - NST (Cavity, abdominal, fluid)

Animal Note: TGL 14 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2291

TRT#: 5

SEX: Male

DAY ON TEST: 487

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500802291

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

Bone	Vertebra	Fracture	
[Fracture TGLs = 4-17]			
* Epididymis		Hypospermia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Mild
* Spleen		Developmental Malformation	
		Hematopoietic Cell Proliferation	Mild
[Developmental Malformation TGLs = 2-9A]			
[Hematopoietic Cell Proliferation TGLs = 3-9]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Moderate
[Adenoma TGLs = 1-7]			
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2291

TRT#: 5

SEX: Male

DAY ON TEST: 487

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500802291

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Bone Vertebra Fracture

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2292

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802292

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Stomach, Forestomach	* Stomach, Glandular
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Brain, Brain Stem		Compression	Mild
[Compression TGLs = 13-1A]			
* Epididymis	Epithelium	Degeneration	Mild
		Hypospermia	Marked
* Eye	Bilateral, Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Moderate
		Mineralization	Mild
		Pigmentation	Moderate
[Mineralization TGLs = 9-2]			
[Pigmentation TGLs = 9-2]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
[Leukemia Mononuclear TGLs = 10-8]			
[Nephropathy TGLs = 10-8]			
* Liver		Basophilic Focus	Multiple
		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide

CAS Number: 5694-00-8

Date Report Requested: 01/20/2011

Time Report Requested: 12:30:41

First Dose M/F: 05/30/05 / 05/30/05

Lab: NCTR

ANIMAL ID: 2292

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802292

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Renal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 8-17A]		
[Leukemia Mononuclear	TGLs = 11-17B]		
[Leukemia Mononuclear	TGLs = 7-17]		
* Lymph Node, Mandibular	Sinus	Dilatation	Marked
		Leukemia Mononuclear	
[Dilatation	TGLs = 1-10+10A]		
[Leukemia Mononuclear	TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 14-11]		
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma	TGLs = 12-9]		
* Preputial Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Moderate
[Degeneration	TGLs = 2-7]		
[Ectasia	TGLs = 2-7]		
[Inflammation	TGLs = 2-7]		
* Prostate		Inflammation	Chronic Active, Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
[Fibrosis	TGLs = 5-9B]		
[Leukemia Mononuclear	TGLs = 4-9A]		
* Testes	Seminif Tub	Degeneration	Marked
[Degeneration	TGLs = 3-7]		
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2292

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802292

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

* Urinary Bladder

Lumen

Dilatation

Marked

[Dilatation TGLs = 6-8]

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2351

TRT#: 5

SEX: Male

DAY ON TEST: 565

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500802351

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Adrenal Medulla

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adren Medulla			
Note: RC attempted			
* Bone Marrow		Hyperplasia	Moderate
* Epididymis	Epithelium	Degeneration	Mild
		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: TGL 4 located on slide 3 only			
		[Eosinophilic Focus TGLs = 5-3A]	
		[Leukemia Mononuclear TGLs = 4-3]	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		[Hyperplasia TGLs = 6-9]	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2351

TRT#: 5

SEX: Male

DAY ON TEST: 565

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500802351

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland [Squamous Cell Carcinoma TGLs = 1-7B]	Squamous Cell Carcinoma	
* Prostate	Inflammation	Suppurative, Minimal
* Spinal Cord, Thoracic Axon	Degeneration	Minimal
* Spleen [Leukemia Mononuclear TGLs = 3-9A]	Leukemia Mononuclear	
* Testes [Adenoma TGLs = 2-7C] Bilateral, Interstit Cell	Adenoma	
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2352

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Brain, Brain Stem		Compression	Marked
[Compression TGLs = 6-1A]			
* Epididymis	Epithelium	Degeneration	Mild
		Hypospermia	Marked
* Eye	Bilateral, Retina	Degeneration	Minimal
	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Moderate
	Atrium	Dilatation	Marked
* Kidney		Nephropathy	Marked
[Nephropathy TGLs = 5-8]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Moderate
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Pigmentation	Moderate
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Mild

Note: WT requested for TGLs 8 and 9 located on slide 4A
 [Infiltration Cellular TGLs = 8,9-4+4A]

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2352

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802352

ORGAN AND ACCOUNTABLE SITE STATUS

[Pigmentation TGLs = 8,9-4+4A]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Galactocele	Marked
[Galactocele TGLs = 2,3-2+2B]			
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 7-9]			
* Preputial Gland	Acinus	Degeneration	Mild
		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Suppurative, Moderate
* Skin		Inflammation	Chronic Active, Marked
		Necrosis	Marked
		Ulcer	Marked
[Inflammation TGLs = 1-2A]			
[Necrosis TGLs = 1-2A]			
[Ulcer TGLs = 1-2A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spleen		Pigmentation	Moderate
* Testes	Seminif Tub	Degeneration	Marked
	Interstit Cell	Hyperplasia	Mild
		Polyarteritis	Mild
[Degeneration TGLs = 4-7]			
* Thymus		Atrophy	Marked
* Thyroid GI			
Note: TGL 10 - NCL			

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2361

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Brain, Brain Stem		Compression	Mild
[Compression TGLs = 8-1]			
* Epididymis	Epithelium	Degeneration	Moderate
		Hypospermia	Marked
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Moderate
* Int Lg Cecum			
Note: TGL 10 - NCL			
* Kidney		Nephropathy	Marked
[Nephropathy TGLs = 7-8]			
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Pigmentation	Mild
Note: TGL 6 - NCL			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
		Galactocele	Marked
[Fibroadenoma TGLs = 3-2B]			
[Galactocele TGLs = 2-2A]			
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2361

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802361

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLs = 9-9A]	Pars Distalis	Adenoma	
* Preputial Gland [Ectasia TGLs = 1-7] [Inflammation TGLs = 1-7]	Duct	Ectasia Inflammation	Marked Suppurative, Marked
* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle [Atrophy TGLs = 11-7A]		Atrophy	Marked
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Testes [Adenoma TGLs = 5-7B] [Degeneration TGLs = 4-7]	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
* Thymus		Atrophy	Marked

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2362

TRT#: 5

SEX: Male

DAY ON TEST: 481

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500802362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|-----------------------------|--|----------------------|----------|
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | Epithelium | Degeneration | Mild |
| | | Hypospermia | Mild |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| * Kidney | | Hydronephrosis | Minimal |
| | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| | [Hydronephrosis TGLs = 8-8] | | |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 4-3] | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 1-10+10A] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 7-11] | | |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Angiectasis | Mild |
| | | Leukemia Mononuclear | |
| | [Angiectasis TGLs = 6-9] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2362

TRT#: 5

SEX: Male

DAY ON TEST: 481

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500802362

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 6-9]			
* Preputial Gland	Acinus	Degeneration Inflammation	Moderate Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Seminal Vesicle		Atrophy	Moderate
[Atrophy TGLs = 2-7A]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 3-9A]			
* Testes	Seminif Tub	Degeneration	Marked
[Degeneration TGLs = 9-7B]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLs = 5-6]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2371

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
	[Degeneration TGLs = 3-7B]		
	[Hypospermia TGLs = 3-7B]		
* Heart		Cardiomyopathy	Mild
		Thrombosis	Marked
	[Thrombosis TGLs = 12-2B]		
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 9-8]		
* Liver		Basophilic Focus	Multiple
		Degeneration	Cystic, Marked
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Degeneration TGLs = 11,14,15,16,17,18-3+3A+3B+3C+3D]		
	[Eosinophilic Focus TGLs = 11,14,15,16,17,18-3+3A+3B+3C+3D]		
	[Leukemia Mononuclear TGLs = 11-3+3A+3B+3C+3D]		
Lymph Node	Renal, Sinus	Dilatation	Mild
	Renal	Pigmentation	Mild
	[Dilatation TGLs = 10-17]		
	[Pigmentation TGLs = 10-17]		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2371

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802371

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Hyperplasia Infiltration Cellular	Lymphoid, Moderate Plasma Cell, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Mild
* Mammary GI			
Note: TGL 1 - Noted grossly as Mammary gland was Skin			
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 13-9A]			
* Preputial Gland		Carcinoma Degeneration	Moderate
[Carcinoma TGLs = 2-7]			
* Prostate	Epithelium	Hyperplasia Inflammation	Marked Chronic Active, Moderate
* Seminal Vesicle		Atrophy	Marked
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLs = 1-2A]			
* Spinal Cord, Cervical		Hemorrhage	Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis Leukemia Mononuclear	Mild
[Fibrosis TGLs = 8-9]			
[Leukemia Mononuclear TGLs = 7-9]			
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
[Adenoma TGLs = 5,6-7C]			
[Degeneration TGLs = 4-7C]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2372

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLs = 5-9]		
* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
* Heart		Cardiomyopathy	Moderate
		Schwannoma Malignant	
	[Schwannoma Malignant TGLs = 11-2A]		
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 10-8]		
* Liver		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 9-4]		
* Lymph Node, Mandibular		Hemorrhage	Mild
		Infiltration Cellular	Plasma Cell, Mild
	[Hemorrhage TGLs = 2-10+10A]		
	[Infiltration Cellular TGLs = 2-10+10A]		
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Moderate
* Pancreas	Acinus	Degeneration	Marked
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2372

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802372

ORGAN AND ACCOUNTABLE SITE STATUS

	[Adenoma TGLs = 8-9A]			
* Preputial Gland		Acinus	Degeneration	Mild
		Duct	Ectasia	Marked
			Inflammation	Suppurative, Marked
	[Degeneration TGLs = 1-7]			
	[Ectasia TGLs = 1-7]			
	[Inflammation TGLs = 1-7]			
* Prostate			Inflammation	Suppurative, Mild
* Seminal Vesicle			Atrophy	Marked
* Skin			Fibrosis	Marked
	[Fibrosis TGLs = 12-2B]			
* Spinal Cord, Cervical		Axon	Degeneration	Minimal
* Spinal Cord, Lumbar		Nerve	Degeneration	Moderate
			Gliosis	Mild
* Spinal Cord, Thoracic		Axon	Degeneration	Minimal
* Spleen		Red Pulp	Hyperplasia	Marked
			Leukemia Mononuclear	
	[Hyperplasia TGLs = 3,4-9]			
	[Leukemia Mononuclear TGLs = 3,4-9]			
* Testes		Bilateral, Interstit Cell	Adenoma	
		Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 6,7-7B]			
* Thymus			Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2381

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802381

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Skeletal Muscle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

OBSERVATIONS

* Epididymis	Epithelium	Degeneration	Marked
		Hypospermia	Marked
* Harderian Gland	Epithelium	Hyperplasia	Marked
		Inflammation	Chronic, Marked
	[Hyperplasia TGLs = 9-13]		
	[Inflammation TGLs = 9-13]		
* Heart		Cardiomyopathy	Minimal
		Thrombosis	Marked
	[Thrombosis TGLs = 8-2]		
* Kidney		Nephropathy	Marked
* Liver		Basophilic Focus	
		Deformity	
		Granuloma	Mild
	Bile Duct	Hyperplasia	Mild
		Pigmentation	Mild
	Note: TGL 11 - NCL		
	Note: TGL 10 located on slide 3B with TGL 11; not 3A		
	[Deformity TGLs = 10-3B]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular	Sinus	Dilatation	Moderate
	[Dilatation TGLs = 2-10]		
* Mammary Gland		Lactation	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2381

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802381

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Degeneration	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 12-9A]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLs = 1-7]			
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLs = 6-7A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate
[Hematopoietic Cell Proliferation TGLs = 7-9]			
[Pigmentation TGLs = 7-9]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
[Adenoma TGLs = 3,4,5-7B+7C]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2382

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802382

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Spinal Cord, Cervical |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|--------------------------|---------------------------------------|---------------------------|------------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | Epithelium | Degeneration | Moderate |
| | | Hypospermia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| | | Thrombosis | Marked |
| | [Thrombosis TGLs = 6-2A] | | |
| * Kidney | | Nephropathy | Marked |
| * Liver | | Basophilic Focus | Multiple |
| | | Degeneration | Cystic, Mild |
| | Bile Duct | Hyperplasia | Mild |
| * Lung | | Leukemia Mononuclear | |
| | | Infiltration Cellular | Histiocyte, Mild |
| | [Infiltration Cellular TGLs = 5-4A] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Preputial Gland | Acinus | Degeneration | Moderate |
| | Duct | Ectasia | Marked |
| | | Inflammation | Chronic Active, Marked |
| | | Squamous Cell Carcinoma | |
| | [Degeneration TGLs = 1-7] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2382

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802382

ORGAN AND ACCOUNTABLE SITE STATUS

[Ectasia TGLs = 1-7]			
[Inflammation TGLs = 1-7]			
[Squamous Cell Carcinoma TGLs = 1-7]			
* Prostate	Epithelium	Hyperplasia	Moderate
* Seminal Vesicle		Atrophy	Marked
* Skin		Infiltration Cellular	Plasma Cell, Moderate
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4-9]			
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
[Adenoma TGLs = 2,3-7B+7]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2431

TRT#: 1

SEX: Male

DAY ON TEST: 505

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802431

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Epididymis |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle |
| * Spinal Cord, Cervical | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|-----------------------------|---|--|----------------------|
| * Bone Marrow | | Hyperplasia | Moderate |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Leukemia Mononuclear
Mixed Cell Focus | |
| | [Leukemia Mononuclear TGLs = 3-3A] | | |
| | [Mixed Cell Focus TGLs = 3-3A] | | |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| | | Infiltration Cellular | Histiocyte, Moderate |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | Multiple |
| | [Adenoma TGLs = 4-9A] | | |
| * Preputial Gland | | Inflammation | Suppurative, Mild |
| * Saliv Glands | | | |
| | Note: TGL 5 - Noted grossly as Salivary gland was Zymbals gland | | |
| * Skin | | Fibrosis | Marked |
| | Note: TGL 1 - Noted grossly as Skin was Zymbals gland | | |
| | [Fibrosis TGLs = 6-2B] | | |
| * Spinal Cord, Lumbar | Axon | Degeneration | Minimal |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2431

TRT#: 1

SEX: Male

DAY ON TEST: 505

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802431

ORGAN AND ACCOUNTABLE SITE STATUS

Leukemia Mononuclear

[Hematopoietic Cell Proliferation TGLs = 2-9]

[Leukemia Mononuclear TGLs = 2-9]

* Testes

Seminif Tub

Degeneration

Minimal

* Thymus

Atrophy

Mild

Zymbal's Gland

Carcinoma

[Carcinoma TGLs = 1,5-2A+10A]

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2432

TRT#: 1

SEX: Male

DAY ON TEST: 672

DOSE: 0.70 GLYCID

DISP: Natural Death

HISTO: 021500802432

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------|------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Harderian Gland | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skeletal Muscle | * Stomach, Forestomach | * Trachea |
| * Urinary Bladder | | | |

AUTO PRECLUDES DIAG.

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Bone Marrow | * Eye | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Liver | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Glandular | * Thyroid Gland | | |

OBSERVATIONS

- | | | | |
|-----------------------------|--------------------|------------------------|------------------|
| * Epididymis | | Mesothelioma Malignant | |
| [Mesothelioma Malignant | TGLs = 3,4-7A+7C] | | |
| * Heart | | Cardiomyopathy | Moderate |
| | | Thrombosis | Marked |
| [Thrombosis | TGLs = 10-2A] | | |
| * Kidney | | Mesothelioma Malignant | |
| | | Nephropathy | Mild |
| [Mesothelioma Malignant | TGLs = 5-8A] | | |
| * Liver | | | |
| Note: TGL 9 - NCL | | | |
| * Mammary Gland | | Galactocele | Mild |
| Mesentery | | Mesothelioma Malignant | |
| [Mesothelioma Malignant | TGLs = 13-17] | | |
| Oral Mucosa | Epithelium | Hyperplasia | Basal Cell, Mild |
| * Pancreas | | Mesothelioma Malignant | |
| [Mesothelioma Malignant | TGLs = 8-10A] | | |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Mild |
| * Preputial Gland | Acinus | Degeneration | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2432

TRT#: 1

SEX: Male

DAY ON TEST: 672

DOSE: 0.70 GLYCID

DISP: Natural Death

HISTO: 021500802432

ORGAN AND ACCOUNTABLE SITE STATUS

	Duct	Ectasia	Mild
		Inflammation	Suppurative, Mild
* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle		Atrophy	Marked
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLs = 12-2B]		
* Spleen		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLs = 6,7-9+9A]		
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 2-7B]		
	[Degeneration TGLs = 1-7]		
* Thymus		Atrophy	Marked
* Thyroid GI			
	Note: TGL 11 - NCL		

PRIMARY CAUSE OF DEATH - Epididymis Mesothelioma Malignant

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2441

TRT#: 1

SEX: Male

DAY ON TEST: 673

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Marked
		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Brain, Brain Stem		Compression	Moderate
		Leukemia Mononuclear	
	[Compression TGLs = 8-1]		
* Brain, Cerebellum		Leukemia Mononuclear	
* Epididymis		Exfoliated Germ Cell	Moderate
		Hypospermia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Marked
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Necrosis	Moderate
	[Leukemia Mononuclear TGLs = 4-3]		
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Moderate
	[Hyperplasia TGLs = 9,10-4A+4B]		
	[Infiltration Cellular TGLs = 9,10-4A+4B]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2441

TRT#: 1

SEX: Male

DAY ON TEST: 673

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802441

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Lactation	Mild
* Nose	Goblet Cell	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
Oral Mucosa		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 11-17]		
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 7-9]		
* Preputial Gland	Acinus	Degeneration	Moderate
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Suppurative, Marked
* Seminal Vesicle	Epithelium	Hyperplasia	Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
	[Fibrosis TGLs = 2-9]		
	[Leukemia Mononuclear TGLs = 1-9]		
* Testes	Seminif Tub	Degeneration	Marked
	Interstit Cell	Hyperplasia	Mild
	[Degeneration TGLs = 3-7B]		
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Adenoma	
	[Adenoma TGLs = 5,6-6+6A]		
* Urinary Bladder	Lumen	Dilatation	Marked
	[Dilatation TGLs = 12-8]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL 11 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2442

TRT#: 1

SEX: Male

DAY ON TEST: 569

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Blood Vessel | * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose | * Parathyroid Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | |
|-------------------|---------------------------------------|----------|
| * Adrenal Cortex | Histiocytic Sarcoma | |
| | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | Pheochromocytoma Benign | |
| * Bone Marrow | Histiocytic Sarcoma | |
| | Hyperplasia | Mild |
| * Brain, Cerebrum | Hemorrhage | Mild |
| * Epididymis | Exfoliated Germ Cell | Mild |
| * Heart | Cardiomyopathy | Mild |
| | Histiocytic Sarcoma | |
| * Kidney | Hyaline Droplet | Marked |
| | Nephropathy | Moderate |
| * Liver | Histiocytic Sarcoma | |
| | Necrosis | Marked |
| | [Histiocytic Sarcoma TGLs = 5,6-3] | |
| | [Necrosis TGLs = 5,6-3] | |
| * Lung | Hemorrhage | Marked |
| | Histiocytic Sarcoma | |
| | [Hemorrhage TGLs = 7-4+4A] | |
| | [Histiocytic Sarcoma TGLs = 7-4+4A] | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2442	TRT#: 1	SEX: Male	DAY ON TEST: 569
	DOSE: 0.70 GLYCID	DISP: Moribund Sacrifice	HISTO: 021500802442

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Hyperplasia Infiltration Cellular	Lymphoid, Mild Plasma Cell, Mild
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLs = 8-11]			
* Mammary GI			
Note: RC attempted			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLs = 4-17]			
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland	Duct	Ectasia	Moderate
[Ectasia TGLs = 1-7]			
* Spleen		Hematopoietic Cell Proliferation Histiocytic Sarcoma	Marked
[Hematopoietic Cell Proliferation TGLs = 9-9]			
[Histiocytic Sarcoma TGLs = 9-9]			
* Stom Gland			
Note: TGL 10 - NCL			
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration	Moderate
[Adenoma TGLs = 2,3-7+7B]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Liver Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2451

TRT#: 1

SEX: Male

DAY ON TEST: 691

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802451

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Nose | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|--------------------------|-------------------------------------|---------------------------|------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Brain Stem | | Compression | Marked |
| | [Compression TGLs = 10-1A] | | |
| * Epididymis | Epithelium | Degeneration | Moderate |
| | | Hypospermia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Marked |
| * Liver | | Degeneration | Cystic, Moderate |
| | | Eosinophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | [Degeneration TGLs = 7-3] | | |
| | [Eosinophilic Focus TGLs = 7-3] | | |
| | [Hyperplasia TGLs = 7-3] | | |
| | [Leukemia Mononuclear TGLs = 7-3] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | Sinus | Dilatation | Marked |
| | | Hemorrhage | Mild |
| | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2451	TRT#: 1	SEX: Male	DAY ON TEST: 691
	DOSE: 0.70 GLYCID	DISP: Moribund Sacrifice	HISTO: 021500802451

ORGAN AND ACCOUNTABLE SITE STATUS

[Dilatation TGLs = 3-11A]			
[Hemorrhage TGLs = 3-11A]			
[Leukemia Mononuclear TGLs = 3-11A]			
* Mammary Gland		Fibroadenoma Galactocele	Marked
[Fibroadenoma TGLs = 2-2B]			
[Galactocele TGLs = 1-2A]			
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 9-9A]			
* Preputial Gland	Acinus	Degeneration Inflammation	Moderate Chronic Active, Mild
* Prostate		Inflammation	Suppurative, Marked
* Seminal Vesicle		Atrophy	Moderate
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 5,6-9]			
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Degeneration	Marked
[Adenoma TGLs = 4-7]			
* Thymus			
Note: WT attempted			
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLs = 8-6]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2452

TRT#: 1

SEX: Male

DAY ON TEST: 520

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802452

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis	Epithelium	Degeneration	Moderate
		Hypospermia	Moderate
* Heart		Leukemia Mononuclear	
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-3]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Marked
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Carcinoma	
	[Carcinoma TGLs = 1-7B]		
* Prostate		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Atrophy	Mild
	[Atrophy TGLs = 3-7A]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2452

TRT#: 1

SEX: Male

DAY ON TEST: 520

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802452

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 4-9]		
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Moderate
[Adenoma	TGLs = 2-7C]		
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Adenoma	
[Adenoma	TGLs = 6-6]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2461

TRT#: 1

SEX: Male

DAY ON TEST: 607

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Epididymis | * Esophagus |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Mammary Gland | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|---------------------------------------|---------------------------|-------------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Bone Marrow | | Hyperplasia | Moderate |
| * Eye | Bilateral, Retina | Degeneration | Minimal |
| * Heart | | Cardiomyopathy | Mild |
| | | Thrombosis | Marked |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Degeneration | Cystic, Minimal |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| Note: TGL 8 - NCL | | | |
| Note: TGL 7 - NCL | | | |
| * Lung | | Infiltration Cellular | Histiocyte, Mild |
| Lymph Node | Renal, Sinus | Dilatation | Mild |
| | Renal | Hyperplasia | Lymphoid, Mild |
| | Lumbar | Infiltration Cellular | Plasma Cell, Marked |
| | [Dilatation TGLs = 6-17A] | | |
| | [Hyperplasia TGLs = 6-17A] | | |
| | [Infiltration Cellular TGLs = 5-17] | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| | | Infiltration Cellular | Plasma Cell, Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2461

TRT#: 1

SEX: Male

DAY ON TEST: 607

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802461

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Chronic Active, Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Preputial Gland		Carcinoma	
	[Carcinoma TGLs = 1-7B]		
* Prostate		Cyst Multilocular	Moderate
		Inflammation	Suppurative, Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
	Note: TGL 4 - NCL		
	[Hematopoietic Cell Proliferation TGLs = 3-9]		
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Marked
	[Adenoma TGLs = 2,9-7C+7D]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Preputial Gland Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2462

TRT#: 1

SEX: Male

DAY ON TEST: 541

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802462

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	Urethra	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
* Liver		Degeneration	Cystic, Marked
		Eosinophilic Focus	
		Leukemia Mononuclear	
	[Degeneration TGLs = 2-3A]		
	[Eosinophilic Focus TGLs = 2-3A]		
	[Leukemia Mononuclear TGLs = 3-3]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 8-4A]		
Lymph Node	Mediastinal	Hemorrhage	Mild
	Pancreatic	Hemorrhage	Marked
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Hemorrhage TGLs = 9,10-17A+17B]		
	[Hemorrhage TGLs = 12-17C]		
	[Leukemia Mononuclear TGLs = 9,10-17A+17B]		
	[Leukemia Mononuclear TGLs = 12-17C]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2462

TRT#: 1

SEX: Male

DAY ON TEST: 541

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802462

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Hemorrhage	Marked
		Leukemia Mononuclear	
	[Hemorrhage TGLs = 6-11]		
	[Leukemia Mononuclear TGLs = 6-11]		
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Atrophy	Mild
* Spleen		Hemorrhage	Marked
		Leukemia Mononuclear	
	[Hemorrhage TGLs = 4-9A]		
	[Leukemia Mononuclear TGLs = 11-9]		
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Carcinoma	
	Follicular Cel	Hyperplasia	Moderate
	[Carcinoma TGLs = 7-6]		
Urethra			
Note: TGL 5 - NCL			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 61

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain, Cerebellum		Gliosis	Moderate
* Clitoral Gland	Acinus	Degeneration	Mild
* Eye	Bilateral, Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Mild
Note: TGL 5 - NCL			
Note: TGL 4 - NCL			
[Basophilic Focus TGLs = 6-3]			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLs = 2-4A]			
* Lymph Node, Mandibular	Sinus	Dilatation	Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLs = 1,3-2A+2B]			
Oral Mucosa	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLs = 8-17A]			
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 61

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800061

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue	Epithelium	Hyperplasia	Marked
	[Hyperplasia TGLs = 7-17]		
* Uterus		Adenoma	
	Endometrium	Hyperplasia	Cystic, Moderate

Animal Note: TGL 8 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 62

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Clitoral Gland		Adenoma	
	Acinus	Degeneration	Moderate
	[Adenoma TGLs = 1-7]		
* Eye		Cataract	Marked
	Retina	Degeneration	Marked
	[Cataract TGLs = 8-13]		
	[Degeneration TGLs = 8-13]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
		Inflammation	Chronic Active, Mild
	[Basophilic Focus TGLs = 10-3]		
	[Eosinophilic Focus TGLs = 10-3]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 11-4A]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Marked
	[Fibroadenoma TGLs = 2,3,4,6,13-2A+2B+2C+2E+2F]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 62

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800062

ORGAN AND ACCOUNTABLE SITE STATUS

[Galactocoele TGLs = 5-2D]			
* Nose		Inflammation	Suppurative, Mild
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 9-9A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLs = 7-6]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLs = 12-7A]			

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 71

TRT#: 7

SEX: Female

DAY ON TEST: 640

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Acinus	Degeneration	Moderate
		Inflammation	Suppurative, Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Vacuolization Cytoplasmic	Mild
	[Basophilic Focus TGLs = 3-3A]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-2A]		
Mesentery		Cyst	Moderate
		Infiltration Cellular	Lymphocyte, Mild
	[Cyst TGLs = 2-17]		
	[Infiltration Cellular TGLs = 2-17]		
* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLs = 4-9A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 71

TRT#: 7

SEX: Female

DAY ON TEST: 640

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800071

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 72

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Thoracic | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|------------------------------|---------------|---------------------------|---------------------|
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Clitoral Gland | Acinus | Degeneration | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Mild |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| * Lym Node Mand | | | |
| Note: RC attempted | | | |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Minimal |
| * Mammary Gland | | Fibroadenoma | |
| [Fibroadenoma TGLs = 1-2A] | | | |
| * Ovary | | Atrophy | Mild |
| * Pancreas | Acinus | Degeneration | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Marked |
| * Spinal Cord, Lumbar | Nerve | Degeneration | Minimal |
| * Spleen | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 72

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800072

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear	TGLs = 3-9]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Marked
* Uterus		Cyst	Moderate
[Cyst	TGLs = 2-7A]		

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 81

TRT#: 7

SEX: Female

DAY ON TEST: 456

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Cerebellum |
| * Brain, Cerebrum | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Mammary Gland | * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Pituitary Gland | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|--------------------------|---------------------------------------|---------------------------|---------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Brain Stem | | Leukemia Mononuclear | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Mineralization | Minimal |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 4-3] | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| Mesentery | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 3-17] | | |
| * Ovary | | Atrophy | Mild |
| * Pancreas | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 2-10A] | | |
| * Spleen | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 1-9A] | | |
| * Thymus | | Atrophy | Marked |

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 82

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone, Femur		Osteopetrosis	Marked
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Carcinoma	
	[Carcinoma TGLs = 3-7]		
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Thrombosis	Marked
Note: TGL 8 - NCL			
Note: TGL 9 - NCL			
	[Leukemia Mononuclear TGLs = 10-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-17]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Adenocarcinoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 82

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800082

ORGAN AND ACCOUNTABLE SITE STATUS

		Fibroadenoma	Multiple
	[Adenocarcinoma TGLs = 11-2B]		
	[Fibroadenoma TGLs = 1,12-2A+2C]		
* Ovary		Atrophy	Marked
* Pancreas		Leukemia Mononuclear	
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 13-9]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Accessory Spleen	
		Leukemia Mononuclear	
	[Accessory Spleen TGLs = 5-9A]		
	[Leukemia Mononuclear TGLs = 4-9A]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Cervix	Fibrosis	Marked
		Polyp Stromal	
	[Fibrosis TGLs = 7-7A]		

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 91

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Nose | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|------------------------------|---------------------------------|----------------------------|---------------------|
| * Adrenal Medulla | | Pheochromocytoma Malignant | |
| [Pheochromocytoma Malignant | TGLs = 2-9] | | |
| * Clitoral Gland | Acinus | Degeneration | Moderate |
| | Duct | Ectasia | Mild |
| | | Inflammation | Suppurative, Marked |
| | [Degeneration TGLs = 1-7] | | |
| | [Ectasia TGLs = 1-7] | | |
| | [Inflammation TGLs = 1-7] | | |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | Multiple |
| | | Leukemia Mononuclear | |
| | [Basophilic Focus TGLs = 3-3] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Lymph Node, Mesenteric | | Hemorrhage | Mild |
| | | Infiltration Cellular | Mast Cell, Moderate |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 4-2A] | | |
| * Ovary | | Atrophy | Mild |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 91

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800091

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Polyp Stromal	

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 92

TRT#: 7

SEX: Female

DAY ON TEST: 481

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Pituitary Gland | * Salivary Glands | * Skeletal Muscle | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- * Adrenal Medulla

OBSERVATIONS

- * Adren Medulla
 Note: No RC per pathologist
- * Clitoral Gland
 [Carcinoma TGLs = 1-7A]
 Carcinoma
- * Eye
 Retina
 Degeneration Mild
- * Heart
 Cardiomyopathy Minimal
- * Kidney
 Mineralization Mild
- * Liver
 Basophilic Focus
 Inflammation Chronic Active, Minimal
- * Ovary
 Atrophy Mild
- * Skin
 Subcut Tiss
 Fibroma
- * Spleen
 [Fibroma TGLs = 2-2A]
 Hematopoietic Cell Proliferation Mild
 Pigmentation Mild
- * Uterus
 Endometrium
 Hyperplasia Cystic, Mild
- [Hyperplasia TGLs = 3-7]

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 101

TRT#: 7

SEX: Female

DAY ON TEST: 660

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Cerebrum |
| * Esophagus | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|--------------------------|--|---------------------------|-------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| | | Vacuolization Cytoplasmic | Moderate |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Brain Stem | | Compression | Moderate |
| | [Compression TGLs = 11-1A] | | |
| * Brain, Cerebellum | | Hemorrhage | Minimal |
| * Clitoral Gland | | Inflammation | Suppurative, Mild |
| | Note: TGL 13 - Noted grossly as Clitoral gland was Mammary gland | | |
| * Eye | Retina | Degeneration | Minimal |
| * Heart | | Leukemia Mononuclear | |
| | | Schwannoma Malignant | |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Deformity | |
| | Hepatocyte | Degeneration | Marked |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Marked |
| | [Deformity TGLs = 9-3A] | | |
| | [Leukemia Mononuclear TGLs = 7,8-3] | | |
| Lymph Node | Lumbar | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 12-17A] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 101

TRT#: 7

SEX: Female

DAY ON TEST: 660

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800101

ORGAN AND ACCOUNTABLE SITE STATUS

	[Leukemia Mononuclear TGLs = 3-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2,4,13-2A+2B+2C+7B]		
* Nose		Inflammation	Suppurative, Mild
* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 10-9A]		
* Spleen		Hemorrhage	Marked
		Leukemia Mononuclear	
	[Hemorrhage TGLs = 14-9B]		
	[Leukemia Mononuclear TGLs = 6-9]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
Vagina	Lumen	Dilatation	Marked
	[Dilatation TGLs = 5-17]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 102

TRT#: 7

SEX: Female

DAY ON TEST: 296

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Liver | * Lung | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|---|--------|-----------------------|---------------------|
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Lung | | | |
| Note: TGL 2 - NCL | | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| [Infiltration Cellular TGLs = 1-10] | | | |
| * Ovary | | Atrophy | Mild |
| * Pancreas | Acinus | Degeneration | Minimal |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Spleen | | Pigmentation | Mild |
| * Thymus | | Atrophy | Marked |
| Tongue | | Inflammation | Suppurative, Marked |
| | | Keratin Cyst | Marked |
| [Inflammation TGLs = 3-17] | | | |
| [Keratin Cyst TGLs = 3-17] | | | |

PRIMARY CAUSE OF DEATH - Tongue Keratin Cyst

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 161

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLs = 1-7]			
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	Multiple
		Granuloma	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLs = 3-4A]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 4-9]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLs = 2-7A]			

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 162

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--|------|---|----------------------|
| * Adrenal Cortex
[Carcinoma TGLs = 5-9] | | Carcinoma | |
| * Clitoral Gland
[Ectasia TGLs = 3-7] | Duct | Adenoma
Ectasia | Marked |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Mineralization
Nephropathy | Minimal
Mild |
| * Liver | | Basophilic Focus
Deformity
Mixed Cell Focus | Multiple
Multiple |
| Note: TGL 7 also located on slide 3A with TGL 6
[Basophilic Focus TGLs = 7-3+3A]
[Deformity TGLs = 6-3A]
[Mixed Cell Focus TGLs = 7-3+3A] | | | |
| * Lung
[Infiltration Cellular TGLs = 9-4] | | Infiltration Cellular | Histiocyte, Minimal |
| * Mammary Gland
[Fibroadenoma TGLs = 1,2-2A+2B]
[Galactocele TGLs = 2-2B] | | Fibroadenoma
Galactocele | Multiple
Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 162

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800162

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 8-9]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Deciduoma Benign	
	[Deciduoma Benign TGLs = 4-7A]		

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 171

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Nose	* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Stomach, Glandular	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Congestion	Marked
		Degeneration	Cystic, Marked
	[Congestion TGLs = 5-9]		
	[Degeneration TGLs = 5-9]		
* Clitoral Gland	Acinus	Degeneration	Marked
	Duct	Ectasia	Marked
	[Ectasia TGLs = 1-7]		
* Eye	Bilateral, Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon	Goblet Cell	Hyperplasia	Moderate
	Note: TGL 6 - NCL		
	[Hyperplasia TGLs = 10-11A]		
* Kidney		Nephropathy	Marked
* Liver		Deformity	
		Mixed Cell Focus	
		Necrosis	Moderate
		Vacuolization Cytoplasmic	Marked
	[Deformity TGLs = 7-3]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric	Sinus	Dilatation	Moderate
* Mammary Gland		Galactocele	Marked
	[Galactocele TGLs = 2,3,4,11-2A+2B+2C+2D]		
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 171

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800171

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Degeneration	Marked
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 8-9]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
		Infiltration Cellular	Polymorphnuclr, Mild
	Note: TGL 9 - Noted grossly as Thyroid gland was Trachea		
* Trachea		Inflammation	Suppurative, Marked
		Necrosis	Marked
		Ulcer	Marked
	[Inflammation TGLs = 9-6]		
	[Necrosis TGLs = 9-6]		
	[Ulcer TGLs = 9-6]		
* Uterus		Polyp Stromal	

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 172

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Mammary Gland | * Nose | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--------------------------|--|---------------------------|-----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Clitoral Gland | Duct | Ectasia | Marked |
| | Epithelium | Hyperplasia | Moderate |
| | | Inflammation | Suppurative, Moderate |
| | [Ectasia TGLs = 1-7] | | |
| | [Inflammation TGLs = 1-7] | | |
| * Eye | Bilateral, Retina | Degeneration | Mild |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Marked |
| * Liver | | Basophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Mild |
| | | Inflammation | Chronic Active, Mild |
| | | Mixed Cell Focus | Multiple |
| | Note: Basophilic focus is located on slide 3B only | | |
| | [Basophilic Focus TGLs = 3-3B] | | |
| | [Mixed Cell Focus TGLs = 3-3A+3B] | | |
| * Lymph Node, Mandibular | | Hyperplasia | Lymphoid, Mild |
| * Lymph Node, Mesenteric | | Hemorrhage | Moderate |
| | | Hyperplasia | Lymphoid, Mild |
| * Ovary | | Atrophy | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 172

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800172

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

[Polyp Stromal TGLs = 2-7A]

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 181

TRT#: 10

SEX: Female

DAY ON TEST: 613

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500800181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mesenteric | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---|---------------|----------------------------|-------------------------|
| * Brain, Brain Stem
[Compression TGLs = 1-1] | | Compression | Marked |
| * Brain, Cerebellum | Ventricle | Dilatation | Mild |
| * Brain, Cerebrum | Ventricle | Dilatation | Mild |
| * Clitoral Gland | Acinus | Degeneration | Moderate |
| | Duct | Ectasia | Moderate |
| * Kidney | | Mineralization | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | | Hepatodiaphragmatic Nodule | |
| [Hepatodiaphragmatic Nodule TGLs = 3-3A] | | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Moderate |
| * Mammary Gland | Alveolus | Hyperplasia | Moderate |
| * Nose | | Inflammation | Chronic Active, Mild |
| * Ovary | | Atrophy | Moderate |
| * Pancreas | Acinus | Degeneration | Minimal |
| * Pituitary Gland
[Adenoma TGLs = 2-9A] | Pars Distalis | Adenoma | |
| * Spinal Cord, Cervical | | Inflammation | Chronic Active, Minimal |
| * Spleen | | Pigmentation | Moderate |
| * Thymus | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 181

TRT#: 10

SEX: Female

DAY ON TEST: 613

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500800181

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 182

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Clitoral Gland		Carcinoma	
	Duct	Ectasia	Marked
	[Carcinoma TGLs = 1-7]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	Multiple
Note: TGL 5 - NCL			
Note: TGL 6 - NCL			
Note: TGL 7 - NCL			
Note: TGL 8 - NCL			
Note: TGL 4 - NCL			
* Lung		Infiltration Cellular	Histiocyte, Moderate
Note: TGL 9 also located on slide 4 with the routine Lung section			
	[Infiltration Cellular TGLs = 9-4A+4]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 182

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800182

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Minimal
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-9]		
* Thymus			
	Note: RC attempted		
* Thyroid Gland	C Cell	Adenoma	Multiple
* Uterus	Lumen	Dilatation	Marked
	[Dilatation TGLs = 2-7A]		

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 191

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Mild
	[Degeneration TGLs = 1-7]		
	[Ectasia TGLs = 1-7]		
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
Note: TGL 7 - NCL			
	[Basophilic Focus TGLs = 4-3+3A]		
	[Eosinophilic Focus TGLs = 4-3+3A]		
* Lung		Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 5-4A]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Adenoma	
		Fibroadenoma	
		Galactocele	Marked
	[Adenoma TGLs = 8-2B]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 191

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800191

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLs = 2-2A]			
[Galactocele TGLs = 2-2A]			
* Ovary		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 6-9A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Lumen	Dilatation	Moderate
		Polyp Stromal	
[Dilatation TGLs = 3-7A]			
[Polyp Stromal TGLs = 3-7A]			

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 192

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | | |
|-----------------------------|---------------|---------------------------|----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Brain, Brain Stem | | Compression | Mild |
| [Compression TGLs = 3-1A] | | | |
| * Clitoral Gland | Acinus | Degeneration | Mild |
| | | Inflammation | Chronic Active, Mild |
| Note: TGL 1 - NCL | | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Marked |
| [Nephropathy TGLs = 2-8] | | | |
| * Liver | | Basophilic Focus | Multiple |
| | | Mixed Cell Focus | |
| | | Vacuolization Cytoplasmic | Mild |
| Note: TGL 5 - NCL | | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| * Mammary Gland | Alveolus | Hyperplasia | Mild |
| | | Lactation | Moderate |
| * Ovary | | Atrophy | Mild |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLs = 4-9] | | | |
| * Spinal Cord, Cervical | Axon | Degeneration | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 192

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800192

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 211

TRT#: 6

SEX: Female

DAY ON TEST: 662

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Islets, Pancreatic | * Lung | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|----------------------------|---------------------------------------|--------------------------------------|-------------------------------|
| * Clitoral Gland | Duct | Carcinoma
Ectasia
Inflammation | Marked
Suppurative, Marked |
| | [Carcinoma TGLs = 2-7] | | |
| | [Ectasia TGLs = 2-7] | | |
| | [Inflammation TGLs = 2-7] | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Intestine Small, Jejunum | | Infiltration Cellular | Lymphocyte, Moderate |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | Bile Duct | Basophilic Focus | Multiple |
| | | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| Note: TGL 5 - NCL | | | |
| | [Leukemia Mononuclear TGLs = 4-3] | | |
| Lymph Node | Mediastinal | Hyperplasia | Lymphoid, Minimal |
| | Lumbar | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| | [Hyperplasia TGLs = 8-17B] | | |
| | [Leukemia Mononuclear TGLs = 7-17A] | | |
| | [Leukemia Mononuclear TGLs = 6-17] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 211

TRT#: 6

SEX: Female

DAY ON TEST: 662

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800211

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Leukemia Mononuclear	
		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,10-2A+2B]		
Mesentery			
	Note: TGL 6 - Noted grossly as Mesentery was Lymph node, pancreatic		
* Nose		Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Moderate
* Ovary		Atrophy	Marked
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 9-9A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-9]		
* Thymus		Atrophy	Marked
		Cyst	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 212

TRT#: 6

SEX: Female

DAY ON TEST: 620

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|---------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Cerebellum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Mammary Gland | * Nose | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|---|---------------------------|--------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Mild |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Brain Stem | | Leukemia Mononuclear | |
| * Brain, Cerebrum | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 8-1] | | |
| * Clitoral Gland | Duct | Ectasia | Marked |
| | | Leukemia Mononuclear | |
| | | Squamous Cell Papilloma | |
| | [Ectasia TGLs = 1-7B] | | |
| | [Leukemia Mononuclear TGLs = 1-7B] | | |
| | [Squamous Cell Papilloma TGLs = 1-7B] | | |
| * Heart | | Leukemia Mononuclear | |
| * Intestine Small, Ileum | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 4-3] | | |
| * Lung | | Leukemia Mononuclear | |
| | | Necrosis | Marked |
| | | Polyarteritis | Marked |
| | [Leukemia Mononuclear TGLs = 6-4+4A] | | |
| | [Necrosis TGLs = 6-4+4A] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 212

TRT#: 6

SEX: Female

DAY ON TEST: 620

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800212

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyarteritis TGLs = 6-4+4A]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 5-17]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 2-10+10A]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 9-11]			
* Ovary		Leukemia Mononuclear	
* Pancreas	Acinus	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Moderate
[Cyst TGLs = 7-9A]			
[Hyperplasia TGLs = 7-9A]			
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 3-9]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Leukemia Mononuclear	
* Thyroid Gland		Leukemia Mononuclear	
* Uterus	Lumen	Dilatation	Mild
		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 221

TRT#: 6

SEX: Female

DAY ON TEST: 585

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Brain, Cerebrum		Gliosis	Mild
* Clitoral Gland	Duct	Ectasia	Mild
* Eye	Retina	Cataract	Marked
		Degeneration	Marked
	[Cataract TGLs = 4-13A]		
	[Degeneration TGLs = 4-13A]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
	[Basophilic Focus TGLs = 1-3]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 2,3,6-2A+2B+2C]		
Oral Mucosa		Squamous Cell Carcinoma	
	Note: TGL 5 also located on slide 14 with the routine Nose section		
	[Squamous Cell Carcinoma TGLs = 5-14+17]		
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 221

TRT#: 6

SEX: Female

DAY ON TEST: 585

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800221

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

Animal Note: TGL 5 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 222

TRT#: 6

SEX: Female

DAY ON TEST: 557

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Nose | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skeletal Muscle | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-----------------------------|---|----------------------------------|-----------------------|
| * Bone Marrow | | Hyperplasia | Moderate |
| * Clitoral Gland | | Carcinoma | |
| | [Carcinoma TGLs = 1-7B] | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | Multiple |
| | | Hematopoietic Cell Proliferation | Minimal |
| | | Hemorrhage | Mild |
| | [Hemorrhage TGLs = 5-3] | | |
| * Lung | Alveolar Epith | Hyperplasia | Mild |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Moderate |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Plasma Cell, Mild |
| * Mammary Gland | | Fibroadenoma | Multiple |
| | [Fibroadenoma TGLs = 2,3-2A+2B] | | |
| * Ovary | | Atrophy | Moderate |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Skin | | Cyst Epithelial Inclusion | |
| | [Cyst Epithelial Inclusion TGLs = 6-2C] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Marked |
| | [Hematopoietic Cell Proliferation TGLs = 4-9] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 222

TRT#: 6

SEX: Female

DAY ON TEST: 557

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800222

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 231

TRT#: 6

SEX: Female

DAY ON TEST: 645

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Stomach, Glandular	* Trachea	* Uterus	

MISSING

* Thymus	* Urinary Bladder
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Carcinoma	
	[Carcinoma TGLs = 3-7]		
* Heart		Schwannoma Malignant	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Mixed Cell Focus	Multiple
* Lung	Alveolar Epith	Hyperplasia	Marked
		Infiltration Cellular	Histiocyte, Moderate
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Marked
	[Fibroadenoma TGLs = 2,5-2A+2B]		
	[Galactocele TGLs = 2-2A]		
* Ovary		Atrophy	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 231

TRT#: 6

SEX: Female

DAY ON TEST: 645

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800231

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
		Pigmentation	Moderate
	[Hematopoietic Cell Proliferation TGLs = 4-9]		
	[Pigmentation TGLs = 4-9]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus			
Note: RC/WT attempted			
* Thyroid Gland	Follicular Cel C Cell	Adenoma Hyperplasia	Minimal
* Urin Bladder			
Note: WT attempted			
Vagina		Prolapse Sarcoma Stromal	
	[Prolapse TGLs = 1-17]		
	[Sarcoma Stromal TGLs = 1-17]		

PRIMARY CAUSE OF DEATH - Vagina Sarcoma Stromal

CONTRIBUTORY CAUSE OF DEATH - Vagina Prolapse

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 232

TRT#: 6

SEX: Female

DAY ON TEST: 677

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Nose |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|---|---------------|-----------------------|-----------------------|
| * Clitoral Gland | Duct | Ectasia | Marked |
| Note: TGL 5 - Noted grossly as Clitoral gland was Mammary gland
[Ectasia TGLs = 4-7] | | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | Bile Duct | Deformity | |
| | | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | | Infiltration Cellular | Plasma Cell, Moderate |
| * Lymph Node, Mandibular | | Hyperplasia | Lymphoid, Minimal |
| * Lymph Node, Mesenteric | | Fibroadenoma | Multiple |
| * Mammary Gland | | | |
| [Fibroadenoma TGLs = 1,2,3,5-2A+2B+2C+7B] | | | |
| * Ovary | | Atrophy | Mild |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| * Spinal Cord, Lumbar | Nerve | Degeneration | Minimal |
| * Spinal Cord, Thoracic | Axon | Degeneration | Minimal |
| * Spleen | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 7-9] | | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 232

TRT#: 6

SEX: Female

DAY ON TEST: 677

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800232

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

* Uterus

Adenoma

[Adenoma TGLs = 6-7A]

PRIMARY CAUSE OF DEATH

- Uterus Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 241

TRT#: 6

SEX: Female

DAY ON TEST: 344

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Clitoral Gland	* Esophagus	* Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
* Liver		Deformity	
		Inflammation	Chronic Active, Mild
[Deformity TGLs = 1-3]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Ovary		Atrophy	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked
Zymbal's Gland		Carcinoma	
[Carcinoma TGLs = 2-17]			

PRIMARY CAUSE OF DEATH - Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 242

TRT#: 6

SEX: Female

DAY ON TEST: 667

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 9-9]			
* Bone Marrow		Leukemia Mononuclear	
* Brain, Brain Stem		Compression	Mild
[Compression TGLs = 14-1A]			
* Clitoral Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Marked
[Degeneration TGLs = 2-7]			
[Ectasia TGLs = 2-7]			
* Eye	Bilateral, Retina	Degeneration	Mild
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 10-3A]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 13-4]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 7-17]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 1-10+10A]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 242

TRT#: 6

SEX: Female

DAY ON TEST: 667

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800242

ORGAN AND ACCOUNTABLE SITE STATUS

	[Leukemia Mononuclear TGLs = 11-11]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 3,4,8,12-2A+2B+2C+2D]		
* Ovary		Atrophy	Moderate
		Leukemia Mononuclear	
* Pancreas	Acinus	Degeneration	Marked
		Leukemia Mononuclear	
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 15-9B]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5,6-9+9A]		
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 251

TRT#: 6

SEX: Female

DAY ON TEST: 612

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Ectasia	Moderate
		Inflammation	Suppurative, Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Basophilic Focus	Multiple
		Hyperplasia	Marked
		Leukemia Mononuclear	
		Thrombosis	Mild
	[Hyperplasia TGLs = 9-3A]		
	[Leukemia Mononuclear TGLs = 8-3]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2,3-2A+2B+2C]		
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLs = 7-17]		
* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 251

TRT#: 6

SEX: Female

DAY ON TEST: 612

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800251

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 10-9B]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
		Necrosis	Marked
[Leukemia Mononuclear TGLs = 5,6-9+9A]			
[Necrosis TGLs = 6-9A]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 252

TRT#: 6

SEX: Female

DAY ON TEST: 626

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Nose | * Pancreas | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

- | | |
|------------------|---------------------|
| * Clitoral Gland | * Parathyroid Gland |
|------------------|---------------------|

OBSERVATIONS

- | | | |
|---|---------------------------|-------------------|
| * Adrenal Cortex | Vacuolization Cytoplasmic | Mild |
| * Bone Marrow | Hyperplasia | Moderate |
| * Clitoral Gl | | |
| Note: No RC per pathologist | | |
| Note: TGL 1 - Noted grossly as Clitoral gland was Mammary gland | | |
| * Heart | Cardiomyopathy | Minimal |
| * Kidney | Nephropathy | Minimal |
| * Liver | Basophilic Focus | Multiple |
| | Vacuolization Cytoplasmic | Mild |
| [Basophilic Focus TGLs = 3-3] | | |
| [Vacuolization Cytoplasmic TGLs = 3-3] | | |
| Lymph Node | Renal | Lymphoid, Mild |
| | Renal | Plasma Cell, Mild |
| [Hyperplasia TGLs = 4-17] | | |
| [Infiltration Cellular TGLs = 4-17] | | |
| * Lymph Node, Mandibular | Hyperplasia | Lymphoid, Minimal |
| * Lymph Node, Mesenteric | Hyperplasia | Lymphoid, Mild |
| * Mammary Gland | Adenocarcinoma | |
| | Fibroadenoma | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 252

TRT#: 6

SEX: Female

DAY ON TEST: 626

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800252

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenocarcinoma TGLs = 1-7] [Fibroadenoma TGLs = 7-2A]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLs = 6-17A]			
* Ovary		Atrophy	Moderate
* Parathyroid GI			
Note: No RC per pathologist			
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLs = 2-9]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Marked
		Necrosis	Marked
[Hyperplasia TGLs = 5-12A]			
[Inflammation TGLs = 5-12A]			
[Necrosis TGLs = 5-12A]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Mammary Gland Adenocarcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 311

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Moderate
* Brain, Cerebrum		Gliosis	Marked
* Clitoral Gland	Acinus	Degeneration	Moderate
		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
	[Leukemia Mononuclear TGLs = 9-3]		
* Lung		Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 6-4A]		
Lymph Node	Pancreatic, Sinus	Dilatation	Mild
	Pancreatic	Leukemia Mononuclear	
	[Dilatation TGLs = 5-17]		
	[Leukemia Mononuclear TGLs = 5-17]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 311

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800311

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLs = 1-2A]			
Oral Mucosa		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLs = 8-17A]			
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Degeneration	Moderate
Note: Also located on slide 17			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 7-9A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Hemorrhage	Marked
		Leukemia Mononuclear	
[Hemorrhage TGLs = 4-9]			
[Leukemia Mononuclear TGLs = 3-9]			
* Thymus		Atrophy	Marked
		Cyst Multilocular	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLs = 2-7A]			

Animal Note: TGL 8 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 312

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
	[Vacuolization Cytoplasmic TGLs = 11-9A]		
* Adrenal Medulla		Hyperplasia	Mild
* Eye	Bilateral, Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Moderate
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
	Note: TGL 6 - NCL		
	Note: TGL 7 - NCL		
	Note: TGL 8 - NCL		
	Note: TGL 12 - NCL		
	[Basophilic Focus TGLs = 9-3D]		
* Lung		Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 10-4A]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
	[Infiltration Cellular TGLs = 4-10]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 312

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800312

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Adenoma	
		Fibroadenoma	Multiple
	[Adenoma TGLs = 5-2B]		
	[Fibroadenoma TGLs = 1,2,3,14-2A+2C+2D+2E]		
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Degeneration	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLs = 13-9A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Thymus			
	Note: WT attempted		
* Thyroid Gland	Follicular Cel	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 321

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland	Duct Epithelium	Ectasia Hyperplasia Inflammation	Moderate Moderate Chronic Active, Marked
	[Ectasia TGLs = 1-7B] [Hyperplasia TGLs = 1-7B] [Inflammation TGLs = 1-7B]		
* Harderian Gland	Acinus	Degeneration	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Hyaline Droplet	Marked
		Mineralization	Minimal
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Marked
	[Leukemia Mononuclear TGLs = 4-3]		
* Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
	[Infiltration Cellular TGLs = 5-4A] [Leukemia Mononuclear TGLs = 5-4A]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Lactation	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 321

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800321

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa	Epithelium	Hyperplasia	Mild
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 6-9A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Hyperplasia	Stromal, Marked
		Leukemia Mononuclear	
		Necrosis	Marked
	[Hyperplasia TGLs = 3-9]		
	[Leukemia Mononuclear TGLs = 2-9]		
	[Necrosis TGLs = 3-9]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 322

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800322

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|--------------------------|---|---------------------------|--------|
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Blood Vessel | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Clitoral Gland | Duct | Carcinoma | |
| | | Ectasia | Marked |
| | [Carcinoma TGLs = 1-7B] | | |
| * Eye | | Leukemia Mononuclear | |
| * Heart | | Leukemia Mononuclear | |
| | [Schwannoma Malignant TGLs = 11-2] | Schwannoma Malignant | |
| * Kidney | | Leukemia Mononuclear | |
| | | Mineralization | Mild |
| * Liver | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Mild |
| | [Leukemia Mononuclear TGLs = 6-3] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 7-17] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | Note: TGL 10 - Noted grossly as Lymph node, mandibular was Thymus | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 9-11] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 322

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800322

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	
Note: TGL 3 - Noted grossly as Mammary gland was Skin			
Note: TGL 2 also located on slide 7 with the routine Ovary and Clitoral gland sections			
[Fibroadenoma TGLs = 2-2A+7]			
* Ovary		Atrophy	Moderate
		Leukemia Mononuclear	
* Pancreas	Acinus	Degeneration	Marked
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLs = 8-9A]			
* Skin	Subcut Tiss	Lipoma	
[Lipoma TGLs = 3-2B]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4-9]			
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 10-10+10A]			
* Uterus	Lumen	Dilatation	Mild
[Dilatation TGLs = 5-7A]			

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 331

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800331

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mesenteric |
| * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Thoracic | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---------------------|-------------------------------|---------------------------|-------------------|
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Brain, Brain Stem | | Compression | Mild |
| | [Compression TGLs = 4-1] | | |
| * Clitoral Gland | Duct | Ectasia | Mild |
| | | Inflammation | Suppurative, Mild |
| * Eye | Retina | Degeneration | Marked |
| | [Degeneration TGLs = 13-13] | | |
| * Heart | | Cardiomyopathy | Mild |
| | | Thrombosis | Marked |
| | [Thrombosis TGLs = 12-2] | | |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Mild |
| | | Mixed Cell Focus | Multiple |
| | | Vacuolization Cytoplasmic | Marked |
| Note: TGL 8 - NCL | | | |
| Note: TGL 9 - NCL | | | |
| Note: TGL 10 - NCL | | | |
| Note: TGL 6 - NCL | | | |
| Note: TGL 7 - NCL | | | |
| * Lung | | Infiltration Cellular | Histiocyte, Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 331

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800331

ORGAN AND ACCOUNTABLE SITE STATUS

	[Infiltration Cellular TGLs = 11-4A]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Marked
	[Fibroadenoma TGLs = 1,2-2A+2B]		
	[Galactocele TGLs = 2-2B]		
* Nose		Inflammation	Suppurative, Moderate
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5-9]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Pigmentation	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Marked
		Necrosis	Marked
		Ulcer	Marked
	[Hyperplasia TGLs = 14-12A]		
	[Inflammation TGLs = 14-12A]		
	[Necrosis TGLs = 14-12A]		
	[Ulcer TGLs = 14-12A]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Cyst	Mild

Animal Note: TGL 3 - NST (Cavity, thoracic, fluid)

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 332

TRT#: 8

SEX: Female

DAY ON TEST: 726

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800332

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone, Femur | * Esophagus | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose | * Parathyroid Gland |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---------------------|--------------------------------------|--|-------------------------------|
| * Adrenal Cortex | | Leukemia Mononuclear
Vacuolization Cytoplasmic | Moderate |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Blood Vessel | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Brain Stem | | Leukemia Mononuclear | |
| * Brain, Cerebellum | | Leukemia Mononuclear | |
| * Brain, Cerebrum | | Leukemia Mononuclear | |
| * Clitoral Gland | Duct | Ectasia
Inflammation | Marked
Suppurative, Marked |
| | [Ectasia TGLs = 2,3-7+7B] | | |
| | [Inflammation TGLs = 2,3-7+7B] | | |
| * Eye | Bilateral, Retina | Degeneration | Mild |
| * Heart | | Leukemia Mononuclear
Schwannoma Malignant | |
| * Kidney | | Leukemia Mononuclear
Nephropathy | Mild |
| * Liver | Bile Duct | Hyperplasia
Leukemia Mononuclear
Vacuolization Cytoplasmic | Marked
Marked |
| | [Leukemia Mononuclear TGLs = 15-3] | | |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 14-4] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 332

TRT#: 8

SEX: Female

DAY ON TEST: 726

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800332

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Pancreatic	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Axillary	Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 6-17]		
[Leukemia Mononuclear	TGLs = 10-17B]		
[Leukemia Mononuclear	TGLs = 11-17C]		
[Leukemia Mononuclear	TGLs = 12-17D]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 4-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma	TGLs = 1-2A]		
* Ovary		Atrophy	Mild
		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 5-9]		
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 13-10]		
* Uterus		Angiectasis	Marked
	Endometrium	Hyperplasia	Cystic, Moderate
		Leukemia Mononuclear	
		Polyp Stromal	
[Angiectasis	TGLs = 9-7C]		
[Hyperplasia	TGLs = 8-7A]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 332

TRT#: 8

SEX: Female

DAY ON TEST: 726

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800332

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 8-7A]

[Polyp Stromal TGLs = 8-7A]

Vagina

Lumen

Dilatation

Marked

[Dilatation TGLs = 7-17A]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 341

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|--------------------------|---------------------------------------|-----------------------|-----------------------|
| * Adrenal Cortex | | Hypertrophy | Mild |
| * Bone Marrow | | Hyperplasia | Moderate |
| * Clitoral Gland | | Carcinoma | |
| | Duct | Ectasia | Marked |
| | | Inflammation | Suppurative, Marked |
| | [Carcinoma TGLs = 2-7B] | | |
| | [Ectasia TGLs = 2-7B] | | |
| | [Inflammation TGLs = 2-7B] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | Multiple |
| | | Inflammation | Chronic Active, Mild |
| | [Basophilic Focus TGLs = 4-3A] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Mild |
| | Note: TGL 7 - NCL | | |
| | [Infiltration Cellular TGLs = 5-4A] | | |
| * Lymph Node, Mandibular | | Hyperplasia | Lymphoid, Moderate |
| | | Infiltration Cellular | Plasma Cell, Moderate |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Plasma Cell, Mild |
| * Mammary Gland | | Fibroadenoma | Multiple |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 341

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800341

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLs = 1,3-2A+2B]

* Ovary		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 6-9A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 342

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Adrenal Medulla

OBSERVATIONS

* Adren Medulla

Note: No RC per pathologist

* Brain, Brain Stem

Carcinoma
Compression

Metastatic (Pituitary Gland)
Moderate

Note: The carcinoma is deep invasive.

[Compression TGLs = 4-1]

* Clitoral Gland

Adenoma

* Heart

Cardiomyopathy

Mild

* Kidney

Nephropathy

Marked

* Liver

Basophilic Focus

Multiple

Degeneration

Cystic, Minimal

Eosinophilic Focus

Vacuolization Cytoplasmic

Mild

Note: TGL 2 - NCL

[Eosinophilic Focus TGLs = 6-3]

* Lung

Infiltration Cellular

Histiocyte, Moderate

[Infiltration Cellular TGLs = 3-4A]

* Mammary Gland

Fibroadenoma

Galactocele

Marked

[Fibroadenoma TGLs = 1-2A]

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 342

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800342

ORGAN AND ACCOUNTABLE SITE STATUS

[Galactocoele TGLs = 7-2B]			
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLs = 5-9A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Cyst	Marked

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 351

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800351

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland	Duct	Ectasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Mild
	[Basophilic Focus TGLs = 4-3]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2-2A+2B]		
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
		Gliosis	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 351

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800351

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Polyp Stromal

[Polyp Stromal TGLs = 3-7A]

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 352

TRT#: 8

SEX: Female

DAY ON TEST: 373

DOSE: 0.175 GLYCID

DISP: Natural Death

HISTO: 021500800352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|------------------------|---------------------------|-----------------------|-------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Clitoral Gland |
| * Esophagus | * Intestine Large, Rectum | * Islets, Pancreatic | * Mammary Gland |
| * Nose | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

AUTO PRECLUDES DIAG.

- | | | | |
|--------------------------|----------------------------|-----------------------------|-----------------------------|
| * Eye | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Peripheral Nerve, Sciatic | * Stomach, Glandular |

OBSERVATIONS

- | | | | |
|---------------------|---------------------------------------|----------------------|---------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Brain Stem | | Leukemia Mononuclear | |
| * Brain, Cerebellum | | Leukemia Mononuclear | |
| * Brain, Cerebrum | | Leukemia Mononuclear | |
| * Harderian Gland | | Leukemia Mononuclear | |
| * Heart | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 11-2] | | |
| * Kidney | | Leukemia Mononuclear | |
| | | Mineralization | Minimal |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 3-3] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Renal | Leukemia Mononuclear | |
| | Lumbar | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 4-17] | | |
| | [Leukemia Mononuclear TGLs = 5-17A] | | |
| | [Leukemia Mononuclear TGLs = 7-17B] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 352

TRT#: 8

SEX: Female

DAY ON TEST: 373

DOSE: 0.175 GLYCID

DISP: Natural Death

HISTO: 021500800352

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 8-17C]
* Lymph Node, Mandibular Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 2-10+10A]
* Lymph Node, Mesenteric Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 9-11]
* Ovary Leukemia Mononuclear
* Pancreas Leukemia Mononuclear
* Spinal Cord, Cervical Leukemia Mononuclear
* Spleen Leukemia Mononuclear
Note: WT requested for TGL 10 located on slide 9B
[Leukemia Mononuclear TGLs = 1,10-9+9A+9B]
* Thymus Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 6-10]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 461

TRT#: 9

SEX: Female

DAY ON TEST: 596

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Cerebellum | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mesenteric | * Nose |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|---------------------------------|---------------|-----------------------|----------------------|
| * Brain, Brain Stem | | Compression | Marked |
| [Compression TGLs = 4-1] | | | |
| * Brain, Cerebrum | Ventricle | Dilatation | Minimal |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | | Degeneration | Cystic, Mild |
| | | Inflammation | Chronic Active, Mild |
| | | Mixed Cell Focus | |
| [Degeneration TGLs = 2-3A] | | | |
| [Inflammation TGLs = 2-3A] | | | |
| [Mixed Cell Focus TGLs = 1-3] | | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Mammary Gland | Alveolus | Hyperplasia | Moderate |
| | | Lactation | Mild |
| * Ovary | | Atrophy | Mild |
| * Pancreas | Acinus | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLs = 3-9A] | | | |
| * Spinal Cord, Thoracic | Axon | Degeneration | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 461

TRT#: 9

SEX: Female

DAY ON TEST: 596

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800461

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 462

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800462

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Clitoral Gland	Acinus	Degeneration	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	Multiple
	[Mixed Cell Focus TGLs = 3-3A]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 1-4A]		
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2-9]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 471

TRT#: 9

SEX: Female

DAY ON TEST: 611

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800471

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Clitoral Gland		Carcinoma	
[Carcinoma TGLs = 1-7B]			
* Heart		Cardiomyopathy	Mild
* Kidney		Hyaline Droplet	Moderate
		Mineralization	Minimal
* Liver		Basophilic Focus	Multiple
		Leukemia Mononuclear	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Lumbar	Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLs = 2-17]			
* Mammary Gland		Lactation	Mild
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Degeneration	Mild
* Parathyroid Gland			
Note: TGL 4 - Noted grossly as Parathyroid gland was Thyroid gland			
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 3-9A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 471

TRT#: 9

SEX: Female

DAY ON TEST: 611

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800471

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLs = 4-6]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 472

TRT#: 9

SEX: Female

DAY ON TEST: 495

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800472

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Clitoral Gland | * Esophagus | * Eye | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Pituitary Gland | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|------------------------------|-----------------------|-------------------------|
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney | | Mineralization | Minimal |
| * Liver | | Basophilic Focus | |
| | | Inflammation | Chronic Active, Minimal |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Plasma Cell, Mild |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 1-2A] | | |
| * Ovary | | Atrophy | Mild |
| * Spleen | | Pigmentation | Mild |
| * Thymus | | Atrophy | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 481

TRT#: 9

SEX: Female

DAY ON TEST: 488

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800481

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|-----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|-------------------|------------------------------|------------------|----------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Minimal |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 1-2A] | | |
| * Ovary | | Cyst | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| | [Hyperplasia TGLs = 2-9A] | | |
| * Spleen | | Pigmentation | Mild |
| * Thymus | | Atrophy | Moderate |
| * Thyroid Gland | C Cell | Hyperplasia | Moderate |
| * Uterus | Lumen | Dilatation | Mild |

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 482

TRT#: 9

SEX: Female

DAY ON TEST: 738

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800482

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland	Acinus	Degeneration	Mild
	Duct	Ectasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Mild
	[Basophilic Focus TGLs = 2-3]		
* Lung		Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 3-4]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Galactocele	Marked
	[Fibroadenoma TGLs = 1-2A]		
	[Galactocele TGLs = 1-2A]		
* Nose		Inflammation	Suppurative, Mild
* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4-9]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 482

TRT#: 9

SEX: Female

DAY ON TEST: 738

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800482

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 491

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800491

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle	* Spinal Cord, Cervical
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Brain, Brain Stem		Carcinoma Compression	Metastatic (Pituitary Gland) Moderate
	[Carcinoma TGLs = 4-1A] [Compression TGLs = 4-1A]		
* Clitoral Gland	Acinus	Degeneration	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
	[Leukemia Mononuclear TGLs = 1,5,6 - 3+3B+3A]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Carcinoma	
	[Carcinoma TGLs = 3-9A]		
* Skin		Inflammation	Suppurative, Mild
	[Inflammation TGLs = 2-2A]	Ulcer	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 491

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800491

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLs = 2-2A]

* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
		Leukemia Mononuclear	
		Pigmentation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 492

TRT#: 9

SEX: Female

DAY ON TEST: 571

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800492

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|--------------------------|---|----------------------------------|-------------------|
| * Bone Marrow | | Hyperplasia | Moderate |
| * Clitoral Gland | | Carcinoma | |
| | [Carcinoma TGLs = 1-7B] | | |
| * Kidney | | Mineralization | Minimal |
| * Liver | | Basophilic Focus | Multiple |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Ovary | | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | [Hematopoietic Cell Proliferation TGLs = 2-9] | | |
| * Thymus | | Atrophy | Mild |
| * Uterus | | Polyp Stromal | |
| | [Polyp Stromal TGLs = 3-7A] | | |

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 501

TRT#: 9

SEX: Female

DAY ON TEST: 732

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800501

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Nose | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---------------------------------|-------------------|--|---|
| * Brain, Brain Stem | | Compression | Moderate |
| [Compression TGLs = 10-1A] | | | |
| * Clitoral Gland | Acinus | Degeneration
Inflammation
Necrosis | Marked
Suppurative, Marked
Marked |
| [Inflammation TGLs = 1-7] | | | |
| [Necrosis TGLs = 1-7] | | | |
| * Eye | Bilateral, Retina | Degeneration | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | Multiple |
| | | Deformity | |
| | Bile Duct | Hyperplasia | Mild |
| | | Mixed Cell Focus | Multiple |
| Note: TGL 7 - NCL | | | |
| [Basophilic Focus TGLs = 6-3] | | | |
| [Deformity TGLs = 5-3A] | | | |
| [Mixed Cell Focus TGLs = 6-3] | | | |
| * Lymph Node, Mandibular | Sinus | Dilatation
Hyperplasia | Moderate
Lymphoid, Mild |
| [Dilatation TGLs = 3-10+10A] | | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 501

TRT#: 9

SEX: Female

DAY ON TEST: 732

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800501

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 3-10+10A]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
		Hyperplasia	Lymphoid, Mild
[Hemorrhage TGLs = 8-11]			
[Hyperplasia TGLs = 8-11]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLs = 2-2A]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLs = 4-17]			
* Ovary		Atrophy	Marked
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 9-9A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 502

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800502

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|-----------------------------|---|---|--------------------|
| * Clitoral Gland | Duct
Epithelium | Ectasia
Hyperplasia | Mild
Moderate |
| | [Ectasia TGLs = 2-7B]
[Hyperplasia TGLs = 2-7B] | | |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus
Eosinophilic Focus
Granuloma | Multiple
Marked |
| | Bile Duct | Hyperplasia | Mild |
| | [Basophilic Focus TGLs = 4,6-3B+3A]
[Granuloma TGLs = 4,6-3B+3A] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Mild |
| | [Infiltration Cellular TGLs = 5-4A] | | |
| * Mammary Gland | | Lactation | Mild |
| | [Lactation TGLs = 1-2A] | | |
| Mesentery | Fat | Necrosis | Marked |
| | [Necrosis TGLs = 3-17] | | |
| * Ovary | | Atrophy | Moderate |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 502

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800502

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 561

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800561

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|-----------------------------|---|------------------|----------|
| * Clitoral Gland | | Carcinoma | |
| | [Carcinoma TGLs = 1-7] | | |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Mild |
| | [Basophilic Focus TGLs = 3-3] | | |
| * Lung | | | |
| | Note: TGL 6 - NCL | | |
| * Mammary Gland | | Fibroadenoma | Multiple |
| | [Fibroadenoma TGLs = 2,5,7-2B+2A+2C] | | |
| * Ovary | | Atrophy | Mild |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 4-9] | | |
| * Skin | | | |
| | Note: TGL 2 - Noted grossly as Skin was Mammary gland | | |
| * Spinal Cord, Cervical | Axon | Degeneration | Minimal |
| * Spleen | | Pigmentation | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 561

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800561

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

* Thyroid Gland

C Cell

Hyperplasia

Moderate

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 562

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800562

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Cerebellum |
| * Esophagus | * Eye | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Nose |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|--------------------------|------------------------------|---------------------------|------------------------------|
| * Adrenal Cortex | | Hypertrophy | Moderate |
| | | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | | Hyperplasia | Minimal |
| * Brain, Brain Stem | | Carcinoma | Metastatic (Pituitary Gland) |
| | | Compression | Mild |
| | | Hemorrhage | Mild |
| | [Carcinoma TGLs = 8-1] | | |
| * Brain, Cerebrum | Ventricle | Dilatation | Mild |
| * Clitoral Gland | | Carcinoma | |
| | [Carcinoma TGLs = 4-7B] | | |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Marked |
| * Liver | | Basophilic Focus | Multiple |
| | | Granuloma | Marked |
| | [Granuloma TGLs = 6-3] | | |
| Lymph Node | Pancreatic | Hyperplasia | Lymphoid, Moderate |
| | [Hyperplasia TGLs = 5-17] | | |
| * Lymph Node, Mesenteric | Sinus | Dilatation | Mild |
| * Mammary Gland | | Fibroadenoma | |
| | | Galactocele | Marked |
| | [Fibroadenoma TGLs = 1-2A] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 562

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800562

ORGAN AND ACCOUNTABLE SITE STATUS

	[Galactocoele TGLs = 2-2B]		
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Carcinoma	
	[Carcinoma TGLs = 7-9]		
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLs = 3-2C]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
	Nerve	Gliosis	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Spleen		Pigmentation	Marked
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Cyst	Mild

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 571

TRT#: 10

SEX: Female

DAY ON TEST: 743

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800571

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Cerebellum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--|-----------|-----------------------|--------------------------|
| * Brain, Brain Stem
[Compression TGLs = 3-1] | | Compression | Moderate |
| * Brain, Cerebrum | Ventricle | Dilatation | Mild |
| * Clitoral Gland | Acinus | Degeneration | Mild |
| | | Inflammation | Suppurative, Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | Multiple |
| | | Inflammation | Chronic Active, Moderate |
| | | Mixed Cell Focus | Multiple |
| Note: TGL 6 - NCL | | | |
| Note: TGL 7 - NCL | | | |
| Note: TGL 8 - NCL | | | |
| Note: TGL 9 - NCL | | | |
| * Lung
[Infiltration Cellular TGLs = 5-4A] | | Infiltration Cellular | Histiocyte, Mild |
| * Mammary Gland
[Fibroadenoma TGLs = 1,2-2A+2B] | | Fibroadenoma | Multiple |
| * Ovary | | Atrophy | Mild |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 571

TRT#: 10

SEX: Female

DAY ON TEST: 743

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800571

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLs = 4-9A]	Pars Distalis	Adenoma	
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Uterus		Cyst	Mild

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 572

TRT#: 10

SEX: Female

DAY ON TEST: 743

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800572

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Harderian Gland | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Parathyroid Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Glandular | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|--------------------------|--|---------------------------|----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Clitoral Gland | | Adenoma | |
| | Acinus | Degeneration | Moderate |
| | | Inflammation | Suppurative, Mild |
| * Eye | Retina | Degeneration | Minimal |
| * Heart | | Cardiomyopathy | Moderate |
| * Intestine Large, Cecum | | Adenoma | |
| | | Ulcer | Marked |
| | [Adenoma TGLs = 6-12A] | | |
| | [Ulcer TGLs = 6-12A] | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Mild |
| | | Inflammation | Chronic Active, Mild |
| | [Basophilic Focus TGLs = 3-3] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Mild |
| Mesentery | Fat | Necrosis | Marked |
| | [Necrosis TGLs = 1-17] | | |
| Oral Mucosa | | Squamous Cell Papilloma | |
| | [Squamous Cell Papilloma TGLs = 5-17A] | | |
| * Ovary | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 572

TRT#: 10

SEX: Female

DAY ON TEST: 743

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800572

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 4-9A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Marked
[Hyperplasia TGLs = 2-9]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

Animal Note: TGL 5 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 581

TRT#: 10

SEX: Female

DAY ON TEST: 743

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800581

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Lumbar | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|---|--|-------------------------|-----------------------------------|
| * Clitoral Gland | Duct | Ectasia
Inflammation | Moderate
Suppurative, Moderate |
| | [Ectasia TGLs = 1-7] | | |
| | [Inflammation TGLs = 1-7] | | |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | | Eosinophilic Focus | Multiple |
| | | Mixed Cell Focus | Multiple |
| Note: TGL 5 - NCL | | | |
| Note: Eosinophilic focus is located on slide 3D only. | | | |
| | [Basophilic Focus TGLs = 6-3B+3C+3D] | | |
| | [Eosinophilic Focus TGLs = 6-3D] | | |
| | [Mixed Cell Focus TGLs = 6-3B+3C+3D] | | |
| * Mammary Gland | | Lactation | Minimal |
| * Ovary | | Atrophy | Mild |
| * Pancreas | Acinus | Degeneration | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 3,4-9A] | | |
| * Spinal Cord, Cervical | | Hemorrhage | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 581

TRT#: 10

SEX: Female

DAY ON TEST: 743

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800581

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Lumen	Dilatation	Marked
		Hemorrhage	Marked

[Dilatation TGLs = 2-7A]

[Hemorrhage TGLs = 2-7A]

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 582

TRT#: 10

SEX: Female

DAY ON TEST: 672

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500800582

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Nose	* Parathyroid Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
		Schwannoma Malignant	
* Liver		Basophilic Focus	Multiple
		Congestion	Moderate
		Leukemia Mononuclear	
		Necrosis	Mild
		Vacuolization Cytoplasmic	Mild
	[Basophilic Focus TGLs = 5-3B]		
	[Congestion TGLs = 4-3A]		
	[Leukemia Mononuclear TGLs = 3-3]		
	[Necrosis TGLs = 4-3A]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2-2A+2B]		
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Degeneration	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 582

TRT#: 10

SEX: Female

DAY ON TEST: 672

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500800582

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 6-9A]

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	

[Leukemia Mononuclear TGLs = 7-9]

* Thymus		Atrophy	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 591

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800591

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Clitoral Gland	Epithelium	Hyperplasia	Moderate
* Heart			
Note: TGL 3 - NCL			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Mixed Cell Focus	Multiple
Note: TGL 5 - NCL			
Note: TGL 6 - NCL			
[Basophilic Focus TGLs = 7-3]			
[Mixed Cell Focus TGLs = 7-3]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Degeneration	Mild
Note: TGL 2 - NCL			
* Peripheral Nerve, Sciatic	Axon	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 4-9A]			
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 591

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800591

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate
* Uterus		Polyp Stromal	
[Polyp Stromal TGLs = 1-7A]			

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 592

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500800592

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland
* Esophagus	* Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Adrenal Medulla

OBSERVATIONS

* Adren Medulla			
Note: RC attempted			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Mild
[Basophilic Focus TGLs = 5-3]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Degeneration	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Pigmentation	Moderate
Note: TGL 4 - NCL			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	Multiple
[Polyp Stromal TGLs = 1,2,3-7A+7B]			

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 661

TRT#: 9

SEX: Female

DAY ON TEST: 705

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800661

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Marked
* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Moderate
	[Ectasia TGLs = 1-7]		
* Heart		Thrombosis	Marked
	[Thrombosis TGLs = 9-2A]		
* Intestine Large, Cecum	Lumen	Dilatation	Moderate
	[Dilatation TGLs = 2-12]		
* Kidney		Mineralization	Mild
		Nephropathy	Moderate
* Liver		Congestion	Marked
	Hepatocyte	Degeneration	Marked
		Necrosis	Marked
		Vacuolization Cytoplasmic	Moderate
	Note: TGL 8 - NCL		
	Note: TGL 3 - NCL		
	[Degeneration TGLs = 7-3A]		
	[Necrosis TGLs = 7-3A]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Note: TGL 5 - NCL		
* Lymph Node, Mandibular	Sinus	Dilatation	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 661

TRT#: 9

SEX: Female

DAY ON TEST: 705

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800661

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric	Sinus	Hemorrhage Dilatation Hemorrhage	Mild Mild Mild
* Mammary GI			
Note: Located on slide 7			
* Ovary		Atrophy	Marked
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 6-9A]			
* Spinal Cord, Cervical	Nerve	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Moderate Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Heart Thrombosis

Animal Note: TGL 4 - NST (Cavity, thoracic, fluid)

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 662

TRT#: 9

SEX: Female

DAY ON TEST: 484

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800662

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---|---------------|----------------------------------|--------------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Marked |
| * Bone Marrow | | Hyperplasia | Mild |
| * Clitoral Gland | Acinus | Degeneration | Mild |
| * Intestine Small, Jejunum | | Sarcoma | Metastatic (Uterus) |
| [Sarcoma TGLs = 8-11B] | | | |
| * Kidney | | Mineralization | Mild |
| * Liver | | Basophilic Focus | Multiple |
| * Lung | | Sarcoma | Metastatic (Uterus) |
| * Lymph Node, Mesenteric | | Sarcoma | Metastatic (Uterus) |
| [Sarcoma TGLs = 6-11A] | | | |
| * Mammary Gland | | Fibroadenoma | Multiple |
| [Fibroadenoma TGLs = 1,5-2A+2B] | | | |
| * Ovary | | Atrophy | Mild |
| * Pancreas | | Sarcoma | Metastatic (Uterus) |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| * Skin | | | |
| Note: TGL 5 - Noted grossly as Skin was Mammary gland | | | |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Hyperplasia | Lymphoid, Moderate |
| * Stomach, Forestomach | | Inflammation | Chronic Active, Moderate |
| | | Ulcer | Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 662

TRT#: 9

SEX: Female

DAY ON TEST: 484

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800662

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLs = 7-12A]

[Ulcer TGLs = 7-12A]

* Thymus

Tissue NOS

Atrophy

Moderate

Sarcoma

Metastatic (Uterus)

[Sarcoma TGLs = 3,4-17+17A]

* Uterus

Sarcoma

[Sarcoma TGLs = 2-7A+7B]

PRIMARY CAUSE OF DEATH - Uterus Sarcoma

Animal Note: TGL 3 - Noted grossly as Cavity, pelvic was Tissue NOS

Animal Note: TGL 4 - Noted grossly as Cavity, abdominal was Tissue NOS

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 671

TRT#: 9

SEX: Female

DAY ON TEST: 743

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800671

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|-----------------------------|---------------------------------|----------------------------------|------------------------------|
| * Clitoral Gland | Acinus | Degeneration
Inflammation | Mild
Chronic Active, Mild |
| * Eye | Retina | Degeneration | Moderate |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus
Deformity | Multiple |
| | [Basophilic Focus TGLs = 3-3] | | |
| | [Deformity TGLs = 2-3A] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Mammary Gland | Alveolus | Hyperplasia | Mild |
| * Ovary | | Atrophy | Mild |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Spinal Cord, Lumbar | Axon | Degeneration | Minimal |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| * Thymus | | Atrophy | Marked |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 671

TRT#: 9

SEX: Female

DAY ON TEST: 743

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800671

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Follicular Cel Lumen	Hyperplasia Dilatation	Mild Marked
[Dilatation TGLs = 1-7A]			

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 672

TRT#: 9

SEX: Female

DAY ON TEST: 743

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800672

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Esophagus	* Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

Bone	Cranium	Meningioma Malignant	Metastatic (Brain, Cerebrum)
[Meningioma Malignant	TGLs = 2-17]		
* Brain, Cerebellum		Meningioma Malignant	Metastatic (Brain, Cerebrum)
* Brain, Cerebrum		Meningioma Malignant	
[Meningioma Malignant	TGLs = 1-1A]		
* Clitoral Gland		Carcinoma	
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Marked
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric	Sinus	Dilatation	Mild
		Hyperplasia	Lymphoid, Mild
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma	TGLs = 3-9A]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 672

TRT#: 9

SEX: Female

DAY ON TEST: 743

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800672

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 681

TRT#: 9

SEX: Female

DAY ON TEST: 630

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800681

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Clitoral Gland	Duct	Ectasia Inflammation	Marked Suppurative, Moderate
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Hyaline Droplet	Moderate
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Marked
	[Leukemia Mononuclear TGLs = 5-3]	Leukemia Mononuclear	
* Lung		Fibrosis	Marked
		Infiltration Cellular	Histiocyte, Marked
		Leukemia Mononuclear	
	[Fibrosis TGLs = 7-4]		
	[Infiltration Cellular TGLs = 7-4]		
	[Leukemia Mononuclear TGLs = 7-4]		
Lymph Node	Mediastinal	Fibrosis	Marked
	Pancreatic	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 8-17A]		
	[Leukemia Mononuclear TGLs = 6-17]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 681

TRT#: 9

SEX: Female

DAY ON TEST: 630

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800681

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Infiltration Cellular TGLs = 2-10+10A]		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland [Fibroadenoma TGLs = 10-2A]		Fibroadenoma	
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Marked
	[Adenoma TGLs = 9-9]		
	[Cyst TGLs = 9-9]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-9A]		
* Thymus		Atrophy	Marked
* Uterus	Cervix	Fibrosis	Moderate
	[Fibrosis TGLs = 4-7B]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 682

TRT#: 9

SEX: Female

DAY ON TEST: 743

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800682

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Mixed Cell Focus	
Note: TGL 4 - NCL			
* Lung		Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 3-4]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 5-2A]		
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2-9A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 682

TRT#: 9

SEX: Female

DAY ON TEST: 743

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800682

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Polyp Stromal

[Polyp Stromal TGLs = 1-7A]

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 691

TRT#: 9

SEX: Female

DAY ON TEST: 680

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800691

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone, Femur		Fibrous Osteodystrophy	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Mild
	[Degeneration TGLs = 1-7]		
	[Ectasia TGLs = 1-7]		
* Heart		Leukemia Mononuclear	
		Thrombosis	Moderate
* Islets, Pancreatic		Adenoma	
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Mixed Cell Focus	
		Necrosis	Mild
	[Leukemia Mononuclear TGLs = 4-3]		
	[Mixed Cell Focus TGLs = 5-3A]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 691

TRT#: 9

SEX: Female

DAY ON TEST: 680

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800691

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular Leukemia Mononuclear	Histiocyte, Marked
	[Infiltration Cellular TGLs = 7,8-4A+4B]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 2-2A]		
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Degeneration Leukemia Mononuclear	Moderate
* Parathyroid Gland			
	Note: RC attempted		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 9-9A]		
* Skel Muscle			
	Note: TGL 6 - NCL		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-9]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicular Cel	Adenoma	
* Uterus		Cyst	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 692

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | |
|---------------------------------------|-------------------------|----------------------|
| * Adrenal Medulla | Pheochromocytoma Benign | |
| * Bone Marrow | Hyperplasia | Mild |
| * Clitoral Gland | Carcinoma | |
| [Carcinoma TGLs = 2-7B] | | |
| * Heart | Cardiomyopathy | Mild |
| * Kidney | Mineralization | Minimal |
| | Nephropathy | Mild |
| * Liver | Basophilic Focus | Multiple |
| | Eosinophilic Focus | Multiple |
| | Inflammation | Chronic Active, Mild |
| | Mixed Cell Focus | Multiple |
| Note: TGL 4 - NCL | | |
| Note: TGL 5 - NCL | | |
| Note: TGL 6 - NCL | | |
| Note: TGL 7 - NCL | | |
| Note: TGL 8 - NCL | | |
| [Basophilic Focus TGLs = 9-3F] | | |
| * Lung | Infiltration Cellular | Histiocyte, Mild |
| [Infiltration Cellular TGLs = 3-4A] | | |
| * Mammary Gland | Fibroadenoma | |
| [Fibroadenoma TGLs = 1-2A] | | |
| * Nose | Hyaline Droplet | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 692

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800692

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Mild
* Pancreas	Acinus	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Cyst	Mild

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 701

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800701

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Salivary Glands	* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland	Acinus	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
* Lung			
Note: TGL 3 - NCL			
* Ovary		Atrophy	Mild
* Parathyroid GI			
Note: RC attempted			
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 2-9A]			
* Skin	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic Active, Moderate
[Hyperplasia TGLs = 4-2A]			
[Inflammation TGLs = 4-2A]			
* Spinal Cord, Cervical	Nerve	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic		Mineralization	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 701

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800701

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen
* Thymus
* Uterus

Pigmentation
Atrophy
Polyp Stromal

Mild
Marked
Multiple

[Polyp Stromal TGLs = 1-7A]

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 702

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800702

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Spinal Cord, Cervical	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Clitoral Gland	Duct	Ectasia Inflammation	Moderate Suppurative, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
* Liver	Bile Duct	Basophilic Focus Hyperplasia Inflammation Necrosis	Multiple Mild Chronic Active, Mild Minimal
	[Basophilic Focus TGLs = 4-3]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 2,3,5-2B+2C+2D]		
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Inflammation Ulcer	Suppurative, Mild Mild
	[Inflammation TGLs = 1-2A]		
	[Ulcer TGLs = 1-2A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 702

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800702

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 761

TRT#: 8

SEX: Female

DAY ON TEST: 481

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|-----------------------------|---------------|-----------------------|----------------------|
| * Clitoral Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney | | Mineralization | Minimal |
| * Liver | | Basophilic Focus | Multiple |
| | | Inflammation | Chronic Active, Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| [Hyperplasia TGLs = 2-9A] | | | |
| * Thymus | | Atrophy | Marked |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |
| Vagina | | Prolapse | |
| [Prolapse TGLs = 1-17] | | | |

PRIMARY CAUSE OF DEATH - Vagina Prolapse

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 762

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800762

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain, Brain Stem		Compression	Mild
[Compression TGLs = 8-1A]			
* Clitoral Gland	Duct	Ectasia Inflammation	Marked Suppurative, Marked
[Ectasia TGLs = 1-7]			
[Inflammation TGLs = 1-7]			
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Marked
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
Note: TGL 11 - NCL			
Note: TGL 12 - NCL			
[Mixed Cell Focus TGLs = 5-3A]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hemorrhage	Moderate
[Hemorrhage TGLs = 6-17]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLs = 10-10+10A]			

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 762

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800762

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Marked
	[Fibroadenoma TGLs = 2,3,13-2A+2B+2D]		
	[Galactocele TGLs = 2,4-2A+2C]		
* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 7-9A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked
	Note: Located on slide 17		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Lumen	Dilatation	Moderate
	[Dilatation TGLs = 9-7A]		

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 771

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800771

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Thoracic Tongue	* Stomach, Forestomach * Trachea	* Stomach, Glandular * Urinary Bladder	* Thyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Clitoral Gland		Adenoma	
	Acinus	Degeneration	Marked
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
	[Adenoma TGLs = 2-7]		
	[Degeneration TGLs = 1-7B]		
	[Ectasia TGLs = 1,2-7B+7]		
	[Inflammation TGLs = 2-7]		
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Schwannoma Malignant	
	[Schwannoma Malignant TGLs = 3-11A]		
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Mixed Cell Focus	Multiple

Note: TGL 9 - NST (Liver, caudate lobe, nodule - not found at trim)

Note: TGL 8 - NST (Liver, caudate lobe, nodule - not found at trim)

Note: TGL 11 - NST (Liver, right lateral lobe, enlarged - not found at trim)

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 771

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800771

ORGAN AND ACCOUNTABLE SITE STATUS

[Basophilic Focus	TGLs = 10,15,16-3+3B+3C]		
[Leukemia Mononuclear	TGLs = 10,16-3+3C]		
[Mixed Cell Focus	TGLs = 14-3A]		
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular	TGLs = 7-4A]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma	TGLs = 4,5-2A+2B]		
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma	TGLs = 12-9]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 6-9]		
* Thymus		Thymoma Benign	
Tongue			
Note: TGL 13 - NCL			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 772

TRT#: 8

SEX: Female

DAY ON TEST: 625

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800772

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | |

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|--------------------------|--|----------------------|----------|
| * Bone Marrow | | Hyperplasia | Mild |
| * Clitoral Gland | Acinus | Degeneration | Marked |
| | Duct | Ectasia | Moderate |
| | [Degeneration TGLs = 2-7B] | | |
| | [Ectasia TGLs = 2-7B] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Mild |
| * Liver | | Basophilic Focus | |
| | | Deformity | |
| | | Leukemia Mononuclear | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 8-17] | | |
| | [Leukemia Mononuclear TGLs = 9-17A] | | |
| | [Leukemia Mononuclear TGLs = 10-17B] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 1-10+10A] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 772

TRT#: 8

SEX: Female

DAY ON TEST: 625

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800772

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery

Note: TGL 8 - Noted grossly as Mesentery was Lymph node, pancreatic

* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5,6-9A]		
* Thymus			
	Note: No RC per pathologist		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Sarcoma Stromal	Metastatic (Uterus)
	[Sarcoma Stromal TGLs = 11-8A]		
* Uterus	Lumen	Dilatation	Marked
		Sarcoma Stromal	
	[Dilatation TGLs = 4-7A]		
	[Sarcoma Stromal TGLs = 3,7-7C+7D]		

PRIMARY CAUSE OF DEATH - Uterus Sarcoma Stromal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 781

TRT#: 8

SEX: Female

DAY ON TEST: 522

DOSE: 0.175 GLYCID

DISP: Natural Death

HISTO: 021500800781

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Clitoral Gland |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lung |
| * Lymph Node, Mandibular | * Mammary Gland | * Nose | * Parathyroid Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|-----------------------------|--|----------------------------|----------------|
| * Adrenal Medulla | | Pheochromocytoma Malignant | |
| | [Pheochromocytoma Malignant TGLs = 1-9A] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Ovary | | Atrophy | Moderate |
| * Pancreas | Acinus | Degeneration | Mild |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Spleen | | Pigmentation | Moderate |
| * Thymus | | Atrophy | Moderate |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH - Adrenal Medulla Pheochromocytoma Malignant

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 782

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800782

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|--------------------------|---------------|---------------------------|----------------------|
| * Adrenal Cortex | | Hypertrophy | Mild |
| | | Vacuolization Cytoplasmic | Mild |
| * Clitoral Gland | Acinus | Degeneration | Marked |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Marked |
| * Liver | | Basophilic Focus | Multiple |
| | | Inflammation | Chronic Active, Mild |
| | | Mixed Cell Focus | Multiple |
| Note: TGL 5 - NCL | | | |
| Note: TGL 6 - NCL | | | |
| Note: TGL 7 - NCL | | | |
| Note: TGL 8 - NCL | | | |
| Note: TGL 9 - NCL | | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Ovary | | Atrophy | Marked |
| | | Cyst | Mild |
| [Cyst TGLs = 2-7] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLs = 4-9A] | | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 782

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800782

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 1,3-7A+7B]			

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 791

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800791

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|---------------------------------|---------------|------------------|----------------------|
| * Clitoral Gland | Duct | Ectasia | Moderate |
| [Ectasia TGLs = 1-7] | | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Mild |
| | | Inflammation | Chronic Active, Mild |
| | | Pigmentation | Mild |
| [Basophilic Focus TGLs = 4-3] | | | |
| Mesentery | Fat | Necrosis | Marked |
| [Necrosis TGLs = 2-17] | | | |
| * Ovary | | Atrophy | Mild |
| * Pancreas | Acinus | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Cyst | Marked |
| | Pars Distalis | Hyperplasia | Moderate |
| [Cyst TGLs = 3-9A] | | | |
| [Hyperplasia TGLs = 3-9A] | | | |
| * Spinal Cord, Lumbar | Nerve | Degeneration | Mild |
| * Spleen | | Pigmentation | Moderate |
| * Thymus | | Atrophy | Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 791

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800791

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 792

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800792

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--|--------|---|--|
| * Brain, Brain Stem
[Compression TGLs = 4-1A] | | Compression | Mild |
| * Clitoral Gland | Acinus | Degeneration
Inflammation | Moderate
Chronic Active, Marked |
| * Eye | Retina | Degeneration | Moderate |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization
Nephropathy | Minimal
Moderate |
| * Liver | | Basophilic Focus
Degeneration
Inflammation
Vacuolization Cytoplasmic | Multiple
Cystic, Mild
Chronic Active, Mild
Mild |
| Note: TGL 6 - NCL | | | |
| Note: TGL 7 - NCL | | | |
| Note: TGL 8 - NCL | | | |
| Note: TGL 9 - NCL | | | |
| Note: TGL 10 - NCL | | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Moderate |
| * Mammary Gland | | Adenocarcinoma
Fibroadenoma
Galactocele | Multiple
Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 792

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800792

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenocarcinoma TGLs = 11-2C]			
[Fibroadenoma TGLs = 1,2-2A+2B]			
[Galactocele TGLs = 1,2-2A+2B]			
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 5-9A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Uterus		Polyp Stromal	
[Polyp Stromal TGLs = 3-7A]			

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 801

TRT#: 8

SEX: Female

DAY ON TEST: 560

DOSE: 0.175 GLYCID

DISP: Natural Death

HISTO: 021500800801

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Clitoral Gland
* Esophagus	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Stomach, Forestomach		

AUTO PRECLUDES DIAG.

* Bone Marrow	* Brain, Brain Stem	* Brain, Cerebellum	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Peripheral Nerve, Sciatic
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Glandular	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Brain, Cerebrum		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-1]		
* Heart		Leukemia Mononuclear	
	Note: TGL 3 - NCL		
* Kidney		Leukemia Mononuclear	
* Liver		Basophilic Focus	Multiple
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-3]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spinal Cord, Cervical		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-9]		
* Thymus		Atrophy	Marked
* Urinary Bladder	Lumen	Dilatation	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 801

TRT#: 8

SEX: Female

DAY ON TEST: 560

DOSE: 0.175 GLYCID

DISP: Natural Death

HISTO: 021500800801

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

[Hyperplasia TGLs = 5-7A]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 802

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Nose | * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------------------------|-----------|-----------------------|---------------------|
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Brain Stem | | Compression | Marked |
| [Compression TGLs = 4-1A] | | | |
| * Clitoral Gland | | Adenoma | |
| | Duct | Ectasia | Marked |
| | | Inflammation | Suppurative, Marked |
| [Adenoma TGLs = 1-7] | | | |
| [Ectasia TGLs = 1-7] | | | |
| [Inflammation TGLs = 1-7] | | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 5-3] | | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | Sinus | Dilatation | Mild |
| | | Hyperplasia | Lymphoid, Moderate |
| | | Infiltration Cellular | Plasma Cell, Marked |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Mammary Gland | Alveolus | Hyperplasia | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 802

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800802

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-9A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-9]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 811

TRT#: 7

SEX: Female

DAY ON TEST: 696

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800811

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mesenteric | * Nose | * Parathyroid Gland | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|-----------------------------|--|----------------------------|----------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Marked |
| * Brain, Cerebellum | | Granular Cell Tumor Benign | |
| * Brain, Cerebrum | | Astrocytoma Malignant | |
| * Clitoral Gland | | Carcinoma | |
| | [Carcinoma TGLs = 2-7] | | |
| * Heart | | Thrombosis | Marked |
| * Kidney | | Mineralization | Minimal |
| * Liver | Hepatocyte | Degeneration | Marked |
| | Bile Duct | Hyperplasia | Mild |
| | | Vacuolization Cytoplasmic | Marked |
| Note: TGL 5 - NCL | | | |
| Note: TGL 6 - NCL | | | |
| Note: TGL 7 - NCL | | | |
| | [Degeneration TGLs = 4-3] | | |
| | [Vacuolization Cytoplasmic TGLs = 4-3] | | |
| * Lymph Node, Mandibular | | Hyperplasia | Lymphoid, Mild |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 1-2A] | | |
| * Ovary | | Atrophy | Mild |
| * Pancreas | Acinus | Degeneration | Minimal |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 811

TRT#: 7

SEX: Female

DAY ON TEST: 696

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800811

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia Polyp Stromal	Cystic, Marked

[Polyp Stromal TGLs = 3-7A]

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 812

TRT#: 7

SEX: Female

DAY ON TEST: 684

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800812

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland	Acinus	Degeneration	Mild
		Inflammation	Suppurative, Moderate
Note: TGL 1 - NCL			
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Thrombosis	Mild
[Leukemia Mononuclear TGLs = 5-3]			
* Lung		Leukemia Mononuclear	
Lymph Node			
Note: RC/WT attempted			
Note: TGL 4 - NCL (Lymph node, mediastinal, enlarged)			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Moderate
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 812

TRT#: 7

SEX: Female

DAY ON TEST: 684

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800812

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 6-9B]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLs = 3-9A]			
[Leukemia Mononuclear TGLs = 2-9]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 821

TRT#: 7

SEX: Female

DAY ON TEST: 676

DOSE: 0.35 GLYCID

DISP: Natural Death

HISTO: 021500800821

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------|--------------------------|------------------------|-------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Esophagus | * Harderian Gland |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Nose | * Parathyroid Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | * Urinary Bladder | * Uterus | |

AUTO PRECLUDES DIAG.

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Eye | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | |

OBSERVATIONS

- | | | | |
|-------------------|--------------------------------------|----------------------|-------------------|
| * Bone Marrow | | Hyperplasia | Mild |
| * Brain, Cerebrum | | Gliosis | Moderate |
| * Clitoral Gland | Acinus | Degeneration | Moderate |
| | Duct | Ectasia | Marked |
| | | Inflammation | Suppurative, Mild |
| | [Degeneration TGLs = 1-7] | | |
| | [Ectasia TGLs = 1-7] | | |
| | [Inflammation TGLs = 1-7] | | |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | | Degeneration | Cystic, Moderate |
| | | Eosinophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| Note: TGL 4 - NCL | | | |
| | [Eosinophilic Focus TGLs = 5-3A] | | |
| | [Leukemia Mononuclear TGLs = 5-3A] | | |
| * Lung | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 821

TRT#: 7

SEX: Female

DAY ON TEST: 676

DOSE: 0.35 GLYCID

DISP: Natural Death

HISTO: 021500800821

ORGAN AND ACCOUNTABLE SITE STATUS

	[Leukemia Mononuclear TGLs = 6-4]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 2,7,8-2A+2B+2C]		
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Degeneration	Minimal
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-9]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
		Cyst	Moderate
	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 822

TRT#: 7

SEX: Female

DAY ON TEST: 651

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800822

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland	Acinus	Degeneration	Marked
	Duct	Ectasia	Moderate
		Inflammation	Suppurative, Mild
* Heart		Leukemia Mononuclear	
* Kidney		Mineralization	Mild
* Liver	Bile Duct	Hyperplasia	Marked
	Hepatocyte	Hyperplasia	Marked
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Marked
		[Hyperplasia TGLs = 9-3A]	
		[Leukemia Mononuclear TGLs = 8-3]	
* Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
		[Infiltration Cellular TGLs = 15-4A]	
Lymph Node	Iliac	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Axillary	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 822

TRT#: 7

SEX: Female

DAY ON TEST: 651

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800822

ORGAN AND ACCOUNTABLE SITE STATUS

	Pancreatic	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 5-17A]		
[Leukemia Mononuclear	TGLs = 6-17B]		
[Leukemia Mononuclear	TGLs = 7-17C]		
[Leukemia Mononuclear	TGLs = 10-17D]		
[Leukemia Mononuclear	TGLs = 11-17E]		
[Leukemia Mononuclear	TGLs = 14-17F]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 13-11]		
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma	TGLs = 12-9A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 2-9]		
* Thymus		Atrophy	Marked
		Leukemia Mononuclear	
* Uterus	Lumen	Dilatation	Marked
		Leukemia Mononuclear	
		Polyp Stromal	
[Dilatation	TGLs = 3-7A]		
Vagina	Lumen	Dilatation	Marked
[Dilatation	TGLs = 4-17]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 831

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800831

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Nose | * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|--------------------------|--|---------------------------|------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Clitoral Gland | Epithelium | Hyperplasia | Marked |
| * Eye | Retina | Degeneration | Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | | Deformity | |
| | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | [Deformity TGLs = 8-3] | | |
| * Lung | Alveolar Epith | Hyperplasia | Mild |
| | | Infiltration Cellular | Histiocyte, Mild |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Hemorrhage | Moderate |
| | | Leukemia Mononuclear | |
| * Mammary Gland | | Fibroadenoma | Multiple |
| | | Galactocele | Marked |
| | [Fibroadenoma TGLs = 1,2,3,4,5-2A+2B+2C+2D+2E] | | |
| | [Galactocele TGLs = 1-2A] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 831

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800831

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 9-9A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Mild
	[Fibrosis TGLs = 7-9]	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-9]		
* Thymus			
	Note: RC attempted		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 832

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800832

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Brain, Brain Stem		Compression	Moderate
[Compression TGLs = 4-1]			
* Clitoral Gland		Carcinoma	
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
[Carcinoma TGLs = 3-7]			
[Ectasia TGLs = 3-7]			
[Inflammation TGLs = 3-7]			
* Heart		Cardiomyopathy	Marked
		Schwannoma Malignant	
* Kidney		Mineralization	Minimal
		Nephropathy	Marked
* Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	Multiple
Note: TGL 6 - NCL			
Note: TGL 7 - NCL			
Note: TGL 8 - NCL			
[Basophilic Focus TGLs = 11-3]			
[Mixed Cell Focus TGLs = 11-3]			

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 832

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800832

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 9-4A]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Marked
	[Fibroadenoma TGLs = 1,2,12-2A+2B+2C]		
	[Galactocele TGLs = 1,2-2A+2B]		
* Ovary		Atrophy	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5-9A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Uterus	Cervix	Fibrosis	Marked
	[Fibrosis TGLs = 10-7A]		

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 841

TRT#: 7

SEX: Female

DAY ON TEST: 550

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800841

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Sarcoma	Deep Invasion
[Sarcoma TGLs = 1-7B]			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Sarcoma	Metastatic (Clitoral Gland)
Note: Sarcoma deep invasive from Clitoral gland			
[Sarcoma TGLs = 5-11A]			
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Mild
Note: TGL 6 - NCL			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Sinus, Thoracic	Dilatation	Mild
	Thoracic	Hemorrhage	Mild
	Thoracic	Infiltration Cellular	Histiocyte, Moderate
	Renal	Infiltration Cellular	Histiocyte, Moderate
[Dilatation TGLs = 7-17]			
[Hemorrhage TGLs = 7-17]			
[Infiltration Cellular TGLs = 7-17]			
[Infiltration Cellular TGLs = 8-17A]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 841

TRT#: 7

SEX: Female

DAY ON TEST: 550

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800841

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Skeletal Muscle		Sarcoma	Metastatic (Clitoral Gland)
Note: Sarcoma deep invasive from Clitoral gland			
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Urin Bladder			
Note: TGL 2 - NCL			
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 4-7A]			
Vagina		Sarcoma	Metastatic (Clitoral Gland)
Note: Sarcoma deep invasive from Clitoral gland			
[Sarcoma TGLs = 3-7C]			

PRIMARY CAUSE OF DEATH - Clitoral Gland Sarcoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 842

TRT#: 7

SEX: Female

DAY ON TEST: 626

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800842

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Mammary Gland |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Thoracic | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|--------------------------|-----------------------------|---------------------------|-----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Cerebrum | | Gliosis | Mild |
| * Clitoral Gland | Acinus | Degeneration | Marked |
| | Duct | Ectasia | Marked |
| | | Inflammation | Suppurative, Marked |
| | [Degeneration TGLs = 1-7] | | |
| | [Ectasia TGLs = 1-7] | | |
| | [Inflammation TGLs = 1-7] | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Hyaline Droplet | Marked |
| | | Mineralization | Mild |
| | | Pigmentation | Moderate |
| * Liver | | Basophilic Focus | Multiple |
| | | Leukemia Mononuclear | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| * Lymph Node, Mandibular | Sinus | Dilatation | Mild |
| | | Infiltration Cellular | Plasma Cell, Moderate |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Nose | Goblet Cell | Hyperplasia | Mild |
| | | Inflammation | Chronic Active, Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 842

TRT#: 7

SEX: Female

DAY ON TEST: 626

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800842

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa [Hyperplasia TGLs = 4-17]	Epithelium	Hyperplasia	Moderate
* Ovary		Atrophy	Marked
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland [Adenoma TGLs = 3-9A]	Pars Distalis Pars Intermed, Rathkes Cleft	Adenoma Degeneration	Moderate
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen [Leukemia Mononuclear TGLs = 2-9]		Leukemia Mononuclear	
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL 4 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 851

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800851

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Clitoral Gland	Acinus	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
		Granuloma	Mild
	[Basophilic Focus TGLs = 3-3]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2,5,6-2A+2B+2C+2D]		
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4-9A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 852

TRT#: 7

SEX: Female

DAY ON TEST: 718

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800852

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Cerebrum | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|--|------|----------------------------|-----------------------|
| * Adren Cortex | | | |
| Note: TGL 6 - NCL | | | |
| * Adren Medulla | | | |
| Note: TGL 6 - NCL | | | |
| * Bone Marrow | | Hyperplasia | Mild |
| * Brain, Brain Stem | | Compression | Mild |
| [Compression TGLs = 8-1A] | | | |
| * Brain, Cerebellum | | Gliosis | Mild |
| * Clitoral Gland | Duct | Ectasia | Marked |
| | | Inflammation | Suppurative, Marked |
| * Kidney | | Mineralization | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | | Hepatodiaphragmatic Nodule | |
| [Hepatodiaphragmatic Nodule TGLs = 7-3A] | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Plasma Cell, Moderate |
| * Mammary Gland | | Fibroadenoma | Multiple |
| [Fibroadenoma TGLs = 1,2,3-2A+2B+2C] | | | |
| * Nose | | Hyaline Droplet | Mild |
| * Ovary | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 852

TRT#: 7

SEX: Female

DAY ON TEST: 718

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800852

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 9-9A]			
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 5-9]			
* Thymus		Atrophy	Marked
Vagina	Lumen	Dilatation	Moderate
		Fibrosis	Moderate
[Dilatation TGLs = 4-17]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 911

TRT#: 6

SEX: Female

DAY ON TEST: 505

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800911

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Glandular
Tongue	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Carcinoma	
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
Note: TGL 2 - NCL			
[Carcinoma TGLs = 3-2A]			
[Ectasia TGLs = 3-2A]			
[Inflammation TGLs = 1,3-7+2A]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Fibroadenoma	
		Galactocele	Marked
Note: TGL 3 - Noted grossly as Mammary gland was Clitoral gland			
[Fibroadenoma TGLs = 7-2B]			
[Galactocele TGLs = 7-2B]			
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 911

TRT#: 6

SEX: Female

DAY ON TEST: 505

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800911

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Squamous Cell Papilloma	
[Squamous Cell Papilloma	TGLs = 6-12A]		
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue			
Note: TGL 4 - NCL			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia	TGLs = 5-7]		

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 912

TRT#: 6

SEX: Female

DAY ON TEST: 579

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800912

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|-----------------------------------|-----------|---------------------------|-------------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Brain, Brain Stem | | Compression | Mild |
| [Compression TGLs = 5-1] | | | |
| * Clitoral Gland | | Adenoma | |
| | | Carcinoma | |
| [Adenoma TGLs = 3-7B] | | | |
| [Carcinoma TGLs = 1-7] | | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Minimal |
| * Liver | | Basophilic Focus | Multiple |
| | | Deformity | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| [Deformity TGLs = 2-3A] | | | |
| * Mammary Gland | | Fibroadenoma | Multiple |
| | Alveolus | Hyperplasia | Moderate |
| | | Lactation | Moderate |
| [Fibroadenoma TGLs = 6,7-2A+2B] | | | |
| [Hyperplasia TGLs = 8-2C] | | | |
| [Lactation TGLs = 8-2C] | | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 912

TRT#: 6

SEX: Female

DAY ON TEST: 579

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800912

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 4-9A]			
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 921

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 0.70 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800921

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Stomach, Glandular	* Trachea		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain, Brain Stem		Compression	Mild
	[Compression TGLs = 16-1A]		
* Brain, Cerebrum		Astrocytoma Malignant	
* Clitoral Gland	Duct	Ectasia	Marked
		Squamous Cell Papilloma	
	[Ectasia TGLs = 1-7]		
	[Squamous Cell Papilloma TGLs = 1-7]		
* Eye	Bilateral, Retina	Degeneration	Minimal
* Heart		Leukemia Mononuclear	
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 13-3]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
	Note: TGL 17 located on slide 4 with the routine Lung section not 4A		
	[Infiltration Cellular TGLs = 17-4]		
Lymph Node	Lumbar, Sinus	Dilatation	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 921

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 0.70 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800921

ORGAN AND ACCOUNTABLE SITE STATUS

	Lumbar	Leukemia Mononuclear	
	[Dilatation TGLs = 14-17]		
	[Leukemia Mononuclear TGLs = 14-17]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Marked
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 2,3,4,5,6,7,8,9-2A+2B+2C+2D+2E+2F+2G+2H]		
Oral Mucosa	Epithelium	Hyperplasia	Marked
	[Hyperplasia TGLs = 18-17A]		
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 15-9A]		
* Skin	Epithelium	Hyperplasia	Moderate
	[Hyperplasia TGLs = 19-21]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
	[Fibrosis TGLs = 12-9]		
	[Leukemia Mononuclear TGLs = 11-9]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
	[Hyperplasia TGLs = 20-12A]		
* Thymus			
Note: RC attempted			
* Thyroid Gland	Follicular Cel C Cell	Adenoma Hyperplasia	Minimal
* Urinary Bladder		Infiltration Cellular	Histiocyte, Marked
	Transit Epithe	Papilloma	
	[Papilloma TGLs = 10-8]		
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 921

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 0.70 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500800921

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL 18 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 922

TRT#: 6

SEX: Female

DAY ON TEST: 514

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800922

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Cerebellum
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex [Vacuolization Cytoplasmic TGLs = 5-9]	Vacuolization Cytoplasmic	Marked
* Bone Marrow	Hyperplasia	Moderate
* Brain, Brain Stem [Compression TGLs = 10-1]	Compression	Moderate
* Brain, Cerebrum	Gliosis	Marked
* Brain Cerebellum Note: RC/WT attempted		
* Heart	Cardiomyopathy	Minimal
* Kidney [Nephropathy TGLs = 12-8]	Nephropathy	Moderate
* Liver Note: TGL 7 - NCL [Vacuolization Cytoplasmic TGLs = 6-3]	Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular [Infiltration Cellular TGLs = 4-10]	Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric	Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland [Fibroadenoma TGLs = 1,8-2A+2B]	Fibroadenoma	Multiple
* Ovary	Atrophy	Mild
* Pituitary Gland Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 922

TRT#: 6

SEX: Female

DAY ON TEST: 514

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800922

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 11-9]		
* Spleen	Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLs = 2-9]		
* Stomach, Forestomach Epithelium	Hyperplasia	Mild
[Hyperplasia TGLs = 13-12]		
* Thymus	Atrophy	Marked
* Thyroid GI		
Note: TGL 9 - NCL		
* Uterus	Sarcoma Stromal	
[Sarcoma Stromal TGLs = 3-7A]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 931

TRT#: 6

SEX: Female

DAY ON TEST: 710

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800931

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Pancreas	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain, Brain Stem		Compression	Moderate
[Compression TGLs = 10-1A]			
* Clitoral Gland	Duct	Ectasia	Marked
		Hyperkeratosis	Marked
		Inflammation	Suppurative, Mild
[Ectasia TGLs = 2-7]			
[Hyperkeratosis TGLs = 2-7]			
[Inflammation TGLs = 2-7]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Deformity	
Note: TGL 13 - NCL			
Note: TGL 14 - NCL			
[Deformity TGLs = 12-3A]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Moderate
Note: TGL 8 also located on slide 4 with the routine Lung section			
[Hyperplasia TGLs = 8-4+4A]			
[Infiltration Cellular TGLs = 8-4+4A]			

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 931

TRT#: 6

SEX: Female

DAY ON TEST: 710

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800931

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Hemorrhage Infiltration Cellular	Mild Plasma Cell, Mild
	[Hemorrhage TGLs = 11-10+10A]		
	[Infiltration Cellular TGLs = 11-10+10A]		
* Lymph Node, Mesenteric		Hemorrhage Infiltration Cellular	Mild Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,3,4,5-2A+2B+2C+2D]		
* Nose		Hyaline Droplet Hyperplasia	Moderate Moderate
	Goblet Cell	Atrophy	Mild
* Ovary			
* Parathyroid GI			
	Note: RC attempted		
* Peripheral Nerve, Sciatic		Degeneration	Minimal
* Pituitary Gland		Adenoma	
	[Adenoma TGLs = 9-9A]		
* Spinal Cord, Cervical		Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLs = 6-9]		
* Thymus			
	Note: RC attempted		
* Thyroid Gland		Carcinoma	Multiple
	[Carcinoma TGLs = 7-6A]		

PRIMARY CAUSE OF DEATH - Thyroid Gland Follicular Cel Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 932

TRT#: 6

SEX: Female

DAY ON TEST: 609

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800932

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | | | |

OBSERVATIONS

- | | | | |
|--------------------------|--|-----------------------|-------------------|
| * Bone Marrow | | Leukemia Mononuclear | |
| * Clitoral Gland | | Adenoma | |
| | Acinus | Degeneration | Moderate |
| | [Degeneration TGLs = 3-7] | | |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 5,6-8+8A] | Pigmentation | Mild |
| * Liver | Bile Duct | Hyperplasia | Marked |
| | [Leukemia Mononuclear TGLs = 8-3] | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| | [Infiltration Cellular TGLs = 2-10A] | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 2-10A] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Mammary Gland | | Fibroadenoma | Multiple |
| | [Fibroadenoma TGLs = 1,11,12-2A+2B+2C] | | |
| Mesentery | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 932

TRT#: 6

SEX: Female

DAY ON TEST: 609

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800932

ORGAN AND ACCOUNTABLE SITE STATUS

	Fat	Necrosis	Marked
	[Leukemia Mononuclear TGLs = 9-17]		
	[Necrosis TGLs = 9-17]		
* Ovary		Atrophy	Moderate
		Leukemia Mononuclear	
* Pancreas	Acinus	Degeneration	Mild
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLs = 10-9A]		
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-9]		
* Stom Gland			
	Note: TGL 7 - NCL		
* Thymus		Atrophy	Marked
		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 941

TRT#: 6

SEX: Female

DAY ON TEST: 642

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800941

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--------------------------|--------------------------------------|-----------------------------------|---------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Clitoral Gland | Duct | Ectasia | Moderate |
| | | Inflammation | Suppurative, Marked |
| | [Ectasia TGLs = 2-7] | | |
| | [Inflammation TGLs = 2-7] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | Multiple |
| | | Deformity | |
| | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| | [Deformity TGLs = 4-3A] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Mild |
| | | Leukemia Mononuclear | |
| | Lymph Node | Leukemia Mononuclear | |
| | Mediastinal | | |
| | [Leukemia Mononuclear TGLs = 9-17] | | |
| * Lymph Node, Mandibular | | Hyperplasia | Lymphoid, Mild |
| | | Infiltration Cellular | Plasma Cell, Mild |
| | | Leukemia Mononuclear | |

Note: TGL 6 also located on slide 10 with the routine Lymph node, mandibular section

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 941

TRT#: 6

SEX: Female

DAY ON TEST: 642

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800941

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 6-10+10A]			
[Infiltration Cellular TGLs = 6-10+10A]			
[Leukemia Mononuclear TGLs = 6-10+10A]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 5-11]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLs = 1,11,12,13-2A+2B+2C+2D]			
Oral Mucosa		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLs = 10-17A]			
* Ovary		Atrophy	Moderate
* Parathyroid GI			
Note: TGL 8 - NCL			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 3-9]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLs = 7-6]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL 10 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 942

TRT#: 6

SEX: Female

DAY ON TEST: 491

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800942

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--------------------------|-------------------------------|----------------------------------|-------------------------|
| * Clitoral Gland | | Carcinoma | |
| | [Carcinoma TGLs = 1-7B] | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Mild |
| | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Ovary | | Atrophy | Mild |
| * Pancreas | | Cyst | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Minimal |
| * Thymus | | Atrophy | Moderate |
| * Uterus | | Polyp Stromal | |
| | [Polyp Stromal TGLs = 2-7A] | | |

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 951

TRT#: 6

SEX: Female

DAY ON TEST: 521

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800951

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain, Brain Stem		Leukemia Mononuclear	
* Brain, Cerebrum		Astrocytoma Malignant	
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	Multiple
		Leukemia Mononuclear	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-2A]		
Oral Mucosa		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 5-17]		
* Ovary		Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
	[Hyperplasia TGLs = 4-9A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-9]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 951

TRT#: 6

SEX: Female

DAY ON TEST: 521

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800951

ORGAN AND ACCOUNTABLE SITE STATUS

	Lumen	Dilatation	Marked
[Cyst TGLs = 2-7A]			
[Dilatation TGLs = 2-7A]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL 5 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 952

TRT#: 6

SEX: Female

DAY ON TEST: 491

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500800952

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
Note: TGL 4 - NCL			
* Lung		Congestion	Mild
[Congestion TGLs = 3-4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLs = 1-2A]			
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLs = 2-7A]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1011

TRT#: 8

SEX: Female

DAY ON TEST: 634

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | Bone |
| * Bone Marrow | * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Nose | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skeletal Muscle | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---|------|-------------------------|-------------------------------|
| Bone | | | |
| Note: TGL 1 - NCL (Bone, tail, deformity) | | | |
| * Clitoral Gland | Duct | Ectasia
Inflammation | Moderate
Suppurative, Mild |
| [Ectasia TGLs = 3-7] | | | |
| [Inflammation TGLs = 3-7] | | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | Multiple |
| | | Eosinophilic Focus | |
| | | Inflammation | Chronic Active, Mild |
| | | Mixed Cell Focus | |
| [Basophilic Focus TGLs = 4-3] | | | |
| [Eosinophilic Focus TGLs = 4-3] | | | |
| [Mixed Cell Focus TGLs = 4-3] | | | |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Mammary Gland | | Fibroadenoma | |
| [Fibroadenoma TGLs = 6-2B] | | | |
| * Ovary | | Atrophy | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1011

TRT#: 8

SEX: Female

DAY ON TEST: 634

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801011

ORGAN AND ACCOUNTABLE SITE STATUS

* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLs = 2-2A]			
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLs = 5-6]			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Thyroid Gland Follicular Cel Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1012

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Brain, Cerebrum		Leukemia Mononuclear	
* Clitoral Gland		Carcinoma	
	[Carcinoma TGLs = 3-7]		
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
	[Basophilic Focus TGLs = 6-3A]		
* Lung		Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 5-4A]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2-2A+2B]		
* Ovary		Atrophy	Minimal
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 7-9A]		
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1012

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801012

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

[Leukemia Mononuclear TGLs = 4-9]

Leukemia Mononuclear

* Thymus

Atrophy

Marked

* Thyroid Gland

C Cell

Hyperplasia

Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1021

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---|-------------------|------------------------------|--------------------------|
| * Adrenal Cortex
Note: TGL 7 - NCL | | Vacuolization Cytoplasmic | Moderate |
| * Adren Medulla
Note: TGL 7 - NCL | | | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Clitoral Gland | Acinus | Degeneration | Moderate |
| | Duct | Ectasia | Mild |
| | | Inflammation | Suppurative, Marked |
| * Eye | Bilateral, Retina | Degeneration | Moderate |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Marked |
| [Leukemia Mononuclear TGLs = 8-3] | | | |
| [Vacuolization Cytoplasmic TGLs = 8-3] | | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Inflammation | Chronic Active, Moderate |
| | | Leukemia Mononuclear | |
| [Alveolar/Bronchiolar Adenoma TGLs = 11-4A] | | | |
| [Inflammation TGLs = 11-4A] | | | |
| Lymph Node | Renal, Sinus | Dilatation | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1021

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801021

ORGAN AND ACCOUNTABLE SITE STATUS

	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Dilatation TGLs = 9-17A]		
	[Leukemia Mononuclear TGLs = 6-17]		
	[Leukemia Mononuclear TGLs = 9-17A]		
	[Leukemia Mononuclear TGLs = 10-17B]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
Note: TGL 1 located on slide 10A only			
	[Leukemia Mononuclear TGLs = 1-10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 2-2A]		
* Nose		Hyaline Droplet	Mild
* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
	[Fibrosis TGLs = 5-9]		
	[Leukemia Mononuclear TGLs = 4-9]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Adenoma	
* Uterus		Hemorrhage	Marked
		Polyp Stromal	
	[Hemorrhage TGLs = 3-7A]		
	[Polyp Stromal TGLs = 3-7A]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1022

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Thymus

OBSERVATIONS

* Clitoral Gland	Acinus	Degeneration Inflammation	Marked Chronic Active, Marked
* Heart		Cardiomyopathy Schwannoma Malignant	Mild
	[Schwannoma Malignant TGLs = 8-2B]		
* Kidney		Mineralization Nephropathy	Minimal Moderate
* Liver	Bile Duct	Basophilic Focus Hyperplasia Inflammation Mixed Cell Focus Vacuolization Cytoplasmic	Multiple Mild Chronic Active, Mild Multiple Mild
Note: TGL 3 - NCL			
Note: TGL 4 - NCL			
Note: TGL 5 - NCL			
Note: TGL 6 - NCL			
Note: TGL 7 - NCL			
* Lung		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1022

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801022

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 2 also located on slide 4 with the routine Lung section

[Infiltration Cellular TGLs = 2-4A+4]

* Mammary Gland

Fibroadenoma

[Fibroadenoma TGLs = 1-2A]

* Ovary

Atrophy

Mild

* Peripheral Nerve, Sciatic

Axon

Degeneration

Minimal

* Pituitary Gland

Pars Distalis

Adenoma

* Spinal Cord, Lumbar

Axon

Degeneration

Minimal

* Spleen

Pigmentation

Moderate

* Thymus

Note: RC attempted

* Thyroid Gland

C Cell

Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1031

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Cerebellum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Lumbar | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|--------------------------|-----------|---------------------------------------|------------------------------|
| * Brain, Brain Stem | | Carcinoma | Metastatic (Pituitary Gland) |
| | | Compression | Moderate |
| * Brain, Cerebrum | | Carcinoma | Metastatic (Pituitary Gland) |
| | Ventricle | Dilatation | Mild |
| | | Gliosis | Moderate |
| | | [Carcinoma TGLs = 7-1] | |
| | | [Dilatation TGLs = 7-1] | |
| | | [Gliosis TGLs = 7-1] | |
| * Clitoral Gland | Duct | Ectasia | Mild |
| | | [Ectasia TGLs = 2-7] | |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Marked |
| * Liver | | Basophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| Note: TGL 10 - NCL | | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| | | [Infiltration Cellular TGLs = 9-4A] | |
| * Lym Node Mand | | | |
| Note: TGL 1 - NCL | | | |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Plasma Cell, Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1031

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801031

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma Galactocele	Marked
	[Fibroadenoma TGLs = 3-2A]		
	[Galactocele TGLs = 3,4-2A+2B]		
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Carcinoma	
	[Carcinoma TGLs = 8-9A]		
* Spinal Cord, Cervical	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Nerve	Degeneration	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-9]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder	Lumen	Dilatation	Marked
	[Dilatation TGLs = 5-8]		

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1032 TRT#: 8 SEX: Female DAY ON TEST: 673
 DOSE: 0.175 GLYCID DISP: Natural Death HISTO: 021500801032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------|-------------------|---------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Cerebrum |
| * Esophagus | * Islets, Pancreatic | * Nose | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Stomach, Forestomach | * Trachea | * Urinary Bladder | |

AUTO PRECLUDES DIAG.

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone Marrow | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Glandular | * Thyroid Gland |

OBSERVATIONS

- | | | | |
|--|------------|---------------------------|-------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Brain, Brain Stem | | Hemorrhage | Minimal |
| * Brain, Cerebellum | | Hemorrhage | Minimal |
| * Clitoral Gland | Duct | Ectasia | Moderate |
| | | Inflammation | Suppurative, Mild |
| * Heart | | Thrombosis | Mild |
| * Kidney | | Mineralization | Minimal |
| * Liver | Hepatocyte | Degeneration | Marked |
| | Bile Duct | Hyperplasia | Moderate |
| | | Hypertrophy | Marked |
| | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Marked |
| [Hypertrophy TGLs = 3-3] | | | |
| [Leukemia Mononuclear TGLs = 3-3] | | | |
| [Vacuolization Cytoplasmic TGLs = 3-3] | | | |
| * Lung | | Leukemia Mononuclear | |
| * Mammary Gland | | Fibroadenoma | Multiple |
| [Fibroadenoma TGLs = 1-2A] | | | |
| * Ovary | | Atrophy | Marked |
| | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1032

TRT#: 8

SEX: Female

DAY ON TEST: 673

DOSE: 0.175 GLYCID

DISP: Natural Death

HISTO: 021500801032

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 4-9A]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 2-9]			
* Thymus		Atrophy	Marked
* Uterus		Polyp Stromal	
[Polyp Stromal TGLs = 5-7A]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1041

TRT#: 8

SEX: Female

DAY ON TEST: 683

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------------------------|-------------------|---------------------------|-----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Minimal |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Brain Stem | | Compression | Mild |
| [Compression TGLs = 10-1A] | | | |
| * Clitoral Gland | Acinus | Degeneration | Moderate |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | Hepatocyte | Degeneration | Marked |
| | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Marked |
| [Degeneration TGLs = 6-3] | | | |
| [Leukemia Mononuclear TGLs = 6-3] | | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Pancreatic, Sinus | Dilatation | Mild |
| | Mediastinal | Pigmentation | Mild |
| [Dilatation TGLs = 4-17] | | | |
| [Pigmentation TGLs = 8-17B] | | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Marked |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Plasma Cell, Moderate |
| * Mammary Gland | | Fibroadenoma | Multiple |
| [Fibroadenoma TGLs = 1,2-2A+2B] | | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1041

TRT#: 8

SEX: Female

DAY ON TEST: 683

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801041

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 9-9A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-9]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Carcinoma	
	[Carcinoma TGLs = 7-6A]		
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Vagina	Lumen	Dilatation	Marked
	[Dilatation TGLs = 5-17A]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1042

TRT#: 8

SEX: Female

DAY ON TEST: 666

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain, Cerebrum		Hemorrhage	Minimal
* Clitoral Gland	Acinus	Degeneration	Mild
		Inflammation	Chronic Active, Mild
* Heart		Leukemia Mononuclear	
Note: TGL 7 - NCL			
[Leukemia Mononuclear TGLs = 8-2]			
* Kidney		Mineralization	Minimal
Note: TGL 6 - NCL			
* Liver	Hepatocyte	Degeneration	Marked
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Marked
[Degeneration TGLs = 5-3]			
[Leukemia Mononuclear TGLs = 5-3]			
[Vacuolization Cytoplasmic TGLs = 5-3]			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLs = 9-4A]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4-17A]			
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1042

TRT#: 8

SEX: Female

DAY ON TEST: 666

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801042

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-2A]		
Oral Mucosa	Epithelium	Hyperplasia	Mild
	[Hyperplasia TGLs = 11-17B]		
* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 10-9A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-9]		
* Thymus		Atrophy	Marked
* Uterus	Lumen	Dilatation	Mild
Vagina	Lumen	Dilatation	Marked
	[Dilatation TGLs = 2-17]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL 11 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1051

TRT#: 8

SEX: Female

DAY ON TEST: 564

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland	Duct	Ectasia	Moderate
	[Ectasia TGLs = 10,11-7+7C]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Hyaline Droplet	Moderate
* Liver		Basophilic Focus	Multiple
		Deformity	
	[Deformity TGLs = 7-3A]	Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
	Note: TGL 5 - NCL		
	[Leukemia Mononuclear TGLs = 9-4]		
Lymph Node	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-17]		
* Lymph Node, Mandibular	Sinus	Dilatation	Mild
		Leukemia Mononuclear	
	[Dilatation TGLs = 1-10+10A]		
	[Leukemia Mononuclear TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1051

TRT#: 8

SEX: Female

DAY ON TEST: 564

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801051

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLs = 6-9]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-9A]		
* Stom Forestom			
	Note: TGL 8 - NCL		
* Thymus		Atrophy	Marked
* Uterus		Cyst	Moderate
	[Cyst TGLs = 3-7B]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1052

TRT#: 8

SEX: Female

DAY ON TEST: 648

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain, Brain Stem		Leukemia Mononuclear	
* Brain, Cerebellum		Leukemia Mononuclear	
* Brain, Cerebrum		Hemorrhage	Minimal
		Leukemia Mononuclear	
* Clitoral Gland	Duct	Ectasia	Moderate
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Marked
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
	[Hyperplasia TGLs = 5-3A]		
	[Leukemia Mononuclear TGLs = 5-3A]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1052

TRT#: 8

SEX: Female

DAY ON TEST: 648

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801052

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 4-11]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLs = 1-2A]			
* Ovary		Atrophy	Mild
		Leukemia Mononuclear	
* Pancreas	Acinus	Degeneration	Mild
* Pituitary Gland			
Note: TGL 3 - NCL			
Note: WT attempted			
* Skin			
Note: TGL 1 - Noted grossly as Skin was Mammary gland			
* Spinal Cord, Cervical		Leukemia Mononuclear	
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 2-9]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1111

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---|--------------------------------------|---------------------------|---------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Clitoral Gland | | Carcinoma | |
| | Duct | Ectasia | Marked |
| | | Inflammation | Suppurative, Marked |
| | [Carcinoma TGLs = 1-7] | | |
| | [Ectasia TGLs = 1-7] | | |
| | [Inflammation TGLs = 1-7] | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | | Leukemia Mononuclear | |
| | | Mixed Cell Focus | Multiple |
| | | Vacuolization Cytoplasmic | Mild |
| | [Leukemia Mononuclear TGLs = 12-3] | | |
| | [Mixed Cell Focus TGLs = 13-3A] | | |
| Lymph Node | | | |
| Note: TGL 7 - Noted grossly as Lymph node, pancreatic was Mammary gland | | | |
| Note: TGL 8 - Noted grossly as Lymph node, renal was Mammary gland | | | |
| * Lymph Node, Mandibular | Sinus | Dilatation | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1111

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801111

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Infiltration Cellular	Plasma Cell, Moderate
		Hyperplasia	Lymphoid, Minimal
		Fibroadenoma	Multiple
		Galactocele	Marked
	[Fibroadenoma TGLs = 2,3,4,5,6,7,8-2A+2B+2C+2D+2E+17+17A]		
	[Galactocele TGLs = 6-2E]		
Oral Mucosa		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLs = 11-17B]		
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 10-9A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Carcinoma	
	[Carcinoma TGLs = 9-6]		
* Uterus			
	Note: TGL 14 - NCL		

Animal Note: TGL 11 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1112

TRT#: 7

SEX: Female

DAY ON TEST: 522

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mesenteric | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Thoracic | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|---|---------------|----------------------------------|--------------------------|
| * Clitoral Gland | | | |
| Note: TGL 1 - Noted grossly as Clitoral gland was Mammary gland | | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Minimal |
| * Liver | | Basophilic Focus | Multiple |
| | | Vacuolization Cytoplasmic | Moderate |
| * Lung | | | |
| Note: TGL 3 - NCL | | | |
| * Lymph Node, Mandibular | | Hyperplasia | Lymphoid, Minimal |
| * Mammary Gland | | Adenocarcinoma | |
| [Adenocarcinoma TGLs = 1-7] | | | |
| * Ovary | | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLs = 2-9A] | | | |
| * Spinal Cord, Lumbar | Axon | Degeneration | Minimal |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Mild |
| | | Inflammation | Chronic Active, Moderate |
| | | Ulcer | Marked |
| [Hyperplasia TGLs = 4-12A] | | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1112

TRT#: 7

SEX: Female

DAY ON TEST: 522

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801112

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLs = 4-12A]

[Ulcer TGLs = 4-12A]

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH - Mammary Gland Adenocarcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1121

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Clitoral Gland	Acinus	Degeneration	Moderate
		Inflammation	Suppurative, Mild
* Harderian Gland	Epithelium	Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Deformity	
		Eosinophilic Focus	Multiple
		Mixed Cell Focus	
Note: TGL 7 - NCL			
Note: TGL 8 - NCL			
Note: TGL 6 - NCL			
[Deformity TGLs = 5-3A]			
[Mixed Cell Focus TGLs = 9-3D]			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLs = 10-4A]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLs = 2,11,12,13,14-2B+2C+2D+2E+2F]			
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1121

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801121

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Inflammation Ulcer	Suppurative, Mild Moderate
	[Inflammation TGLs = 1-2A]		
	[Ulcer TGLs = 1-2A]		
* Spinal Cord, Cervical	Nerve	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia Polyp Stromal	Cystic, Moderate
	[Hyperplasia TGLs = 3-7A]		
	[Polyp Stromal TGLs = 4-7A]		

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1122

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|------------------|--|-----------------------|----------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Clitoral Gland | Duct | Ectasia | Marked |
| | [Ectasia TGLs = 1-7] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | Multiple |
| | | Clear Cell Focus | |
| | | Deformity | |
| | | Eosinophilic Focus | |
| | | Inflammation | Chronic Active, Mild |
| | [Basophilic Focus TGLs = 4-3] | | |
| | [Deformity TGLs = 5-3A] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| | [Infiltration Cellular TGLs = 6-4A] | | |
| * Mammary Gland | | Fibroadenoma | Multiple |
| | [Fibroadenoma TGLs = 7,8,9-2A+2B+2C] | | |
| * Ovary | | Atrophy | Moderate |
| | | Cyst | Moderate |
| | [Cyst TGLs = 2-7B] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1122

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801122

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Degeneration	Moderate
* Pituitary Gl			
Note: Also located on slide 9A			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Mild
* Stom Forestom			
Note: TGL 10 - Noted grossly as Stomach, forestomach was Stomach, glandular			
* Stom Gland			
Note: TGL 10 - NCL			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLs = 3-6]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1131

TRT#: 7

SEX: Female

DAY ON TEST: 544

DOSE: 0.35 GLYCID

DISP: Natural Death

HISTO: 021500801131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Esophagus	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle	* Urinary Bladder
* Uterus			

AUTO PRECLUDES DIAG.

* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Peripheral Nerve, Sciatic	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Brain, Brain Stem		Leukemia Mononuclear	
* Brain, Cerebellum		Gliosis	Minimal
		Leukemia Mononuclear	
* Brain, Cerebrum		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 5-1]		
* Clitoral Gland	Duct	Ectasia	Mild
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Basophilic Focus	Multiple
		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 3-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 4-17]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Ovary		Atrophy	Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1131

TRT#: 7

SEX: Female

DAY ON TEST: 544

DOSE: 0.35 GLYCID

DISP: Natural Death

HISTO: 021500801131

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Skin		Hemorrhage	Mild
		Inflammation	Suppurative, Mild
	[Hemorrhage TGLs = 1-2A]		
	[Inflammation TGLs = 1-2A]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-9A]		
* Stom Gland			
	Note: TGL 6 - NCL		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1132

TRT#: 7

SEX: Female

DAY ON TEST: 684

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|--|---------------|-----------------------|-------------------|
| * Brain, Brain Stem
[Compression TGLs = 3-1A] | | Compression | Moderate |
| * Clitoral Gland
[Carcinoma TGLs = 2-7] | | Carcinoma | |
| * Eye | Retina | Degeneration | Minimal |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Mild |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Plasma Cell, Mild |
| * Mammary Gland
[Fibroadenoma TGLs = 1-2A]
[Galactocele TGLs = 1-2A] | | Fibroadenoma | |
| | | Galactocele | Marked |
| * Ovary | | Atrophy | Moderate |
| * Pancreas | Acinus | Degeneration | Mild |
| * Pituitary Gland
[Adenoma TGLs = 4-9A] | Pars Distalis | Adenoma | |
| * Skin | | | |

Note: TGL 1 - Noted grossly as Skin was Mammary gland

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1132

TRT#: 7

SEX: Female

DAY ON TEST: 684

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801132

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hyperplasia	Lymphoid, Marked
		Pigmentation	Moderate
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1141

TRT#: 7

SEX: Female

DAY ON TEST: 494

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|-----------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|--------------------------|---------------|----------------------------------|----------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Mild |
| * Liver | | Hematopoietic Cell Proliferation | Minimal |
| Mesentery | Fat | Necrosis | Moderate |
| [Necrosis TGLs = 1-17] | | | |
| * Ovary | | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Cyst | Moderate |
| | Pars Distalis | Hyperplasia | Moderate |
| * Spleen | | Pigmentation | Mild |
| * Thymus | | Atrophy | Marked |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1142

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Nose | * Parathyroid Gland | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | * Uterus |

MISSING

- * Thymus

OBSERVATIONS

- | | | |
|--|---------------------------|---------------------|
| * Adrenal Cortex | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | Pheochromocytoma Benign | |
| * Blood Vessel | Leukemia Mononuclear | |
| * Bone Marrow | Leukemia Mononuclear | |
| * Brain, Cerebrum | Leukemia Mononuclear | |
| * Clitoral Gland | Carcinoma | |
| | Inflammation | Suppurative, Marked |
| [Carcinoma TGLs = 1-7] | | |
| * Heart | Leukemia Mononuclear | |
| * Kidney | Leukemia Mononuclear | |
| | Mineralization | Minimal |
| | Nephropathy | Minimal |
| * Liver | Basophilic Focus | Multiple |
| | Eosinophilic Focus | |
| | Bile Duct | |
| | Hyperplasia | Marked |
| | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 7-3] | | |
| * Lung | Infiltration Cellular | Histiocyte, Mild |
| | Leukemia Mononuclear | |
| [Infiltration Cellular TGLs = 13-4A] | | |
| [Leukemia Mononuclear TGLs = 13-4A] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1142

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801142

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Pancreatic	Leukemia Mononuclear	
	Axillary	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 6-17]		
[Leukemia Mononuclear	TGLs = 8-17A]		
[Leukemia Mononuclear	TGLs = 9-17B]		
[Leukemia Mononuclear	TGLs = 10-17C]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 14-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 12-11]		
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma	TGLs = 2,3-2A+2B]		
* Ovary		Atrophy	Moderate
* Pancreas		Leukemia Mononuclear	
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis	TGLs = 5-9]		
[Leukemia Mononuclear	TGLs = 4-9]		
* Thymus			
Note: TGL 11 - NCL			
Note: No RC per pathologist			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1151

TRT#: 7

SEX: Female

DAY ON TEST: 526

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Clitoral Gland	Duct	Ectasia Inflammation	Mild Suppurative, Mild
	[Ectasia TGLs = 1-7B] [Inflammation TGLs = 1-7B]		
* Kidney		Mineralization	Mild
* Lymph Node, Mandibular		Osteosarcoma	Metastatic (Nose)
* Nose		Osteosarcoma	
	[Osteosarcoma TGLs = 3-2A]		
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Skin			
	Note: TGL 3 - Noted grossly as Skin was Nose		
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Osteosarcoma	Metastatic (Nose)
		Pigmentation	Marked
	[Osteosarcoma TGLs = 2-9A]		
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Nose Osteosarcoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1152

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Carcinoma	
	[Carcinoma TGLs = 1-7]		
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Mild
	Note: TGL 8 - NCL		
	Note: TGL 9 - NCL		
	Note: TGL 10 - NCL		
	Note: TGL 11 - NCL		
	[Basophilic Focus TGLs = 12-3D]		
* Lung		Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 7-4A]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 2,3,13-2A+2B+2C]		
* Nose		Hyaline Droplet	Mild
* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1152

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801152

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Cyst	Moderate
	Bilateral	Polyp Stromal	

Note: TGL 4 located on slide 7A only

Note: TGL 5 - NCL

[Cyst TGLs = 4-7A]

[Polyp Stromal TGLs = 6-7B]

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1261

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|---------------------------------------|------------|---------------------------|-----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Clitoral Gland | Duct | Ectasia | Marked |
| | | Inflammation | Suppurative, Marked |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | Bile Duct | Basophilic Focus | Multiple |
| | | Hyperplasia | Mild |
| | | Mixed Cell Focus | Multiple |
| Note: TGL 4 - NCL | | | |
| Note: TGL 5 - NCL | | | |
| Note: TGL 6 - NCL | | | |
| [Basophilic Focus TGLs = 3-3] | | | |
| * Lung | | Infiltration Cellular | Histiocyte, Mild |
| [Infiltration Cellular TGLs = 7-4A] | | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Moderate |
| * Mammary Gland | | Fibroadenoma | Multiple |
| [Fibroadenoma TGLs = 8,9-2A+2B] | | | |
| Oral Mucosa | Epithelium | Hyperplasia | Marked |
| [Hyperplasia TGLs = 1-17] | | | |
| * Ovary | | Atrophy | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1261

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801261

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLs = 2-9A]	Pars Distalis	Adenoma	
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	Multiple

Animal Note: TGL 1 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1262

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Clitoral Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Mild
	[Degeneration TGLs = 1-7B]		
	[Ectasia TGLs = 1-7B]		
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
		Granuloma	Marked
	Note: TGL 4 - NCL		
	Note: TGL 5 - NCL		
	[Eosinophilic Focus TGLs = 6-3]		
	[Granuloma TGLs = 6-3]		
* Lung		Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 2,3-4A+4]		
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Degeneration	Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1262

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801262

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen	Nerve	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

[Polyp Stromal TGLs = 7-7A]

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1271

TRT#: 9

SEX: Female

DAY ON TEST: 653

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver	Hepatocyte	Degeneration	Marked
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Marked
	[Degeneration TGLs = 4-3]		
	[Hyperplasia TGLs = 4-3]		
	[Leukemia Mononuclear TGLs = 4-3]		
	[Vacuolization Cytoplasmic TGLs = 4-3]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Moderate
* Ovary		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1271

TRT#: 9

SEX: Female

DAY ON TEST: 653

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801271

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Degeneration	Minimal
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-9]		
* Thymus			
	Note: RC attempted		
* Thyroid Gland	Follicular Cel	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	[Hyperplasia TGLs = 3-7A]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1272

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Clitoral Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Mild
	[Ectasia TGLs = 1-7]		
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Adenocarcinoma	
	[Adenocarcinoma TGLs = 3-12A]		
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	Multiple
	Note: TGL 4 - NCL		
	[Basophilic Focus TGLs = 5-3]		
	[Mixed Cell Focus TGLs = 5-3]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Skin		Abscess	Marked
	[Abscess TGLs = 2-2A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1272

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801272

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1281

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Clitoral Gland	Acinus	Degeneration	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Marked
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
Note: TGL 7 - NCL			
Note: TGL 8 - NCL			
Note: TGL 9 - NCL			
	[Basophilic Focus TGLs = 10-3]		
	[Eosinophilic Focus TGLs = 10-3]		
* Lung		Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 5-4A]		
Lymph Node	Mediastinal	Hemorrhage	Moderate
	[Hemorrhage TGLs = 4-17]		
* Nose		Hyaline Droplet	Mild
* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 6-9A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1281

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801281

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Marked
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Polyp Stromal	

[Hyperplasia TGLs = 2-7B]

[Polyp Stromal TGLs = 1,3-7A]

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1282

TRT#: 9

SEX: Female

DAY ON TEST: 730

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|--------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|-----------------------------|---------------------------------------|-----------------------|-----------------------|
| * Adrenal Cortex | | Angiectasis | Mild |
| * Brain, Brain Stem | | Compression | Marked |
| | [Compression TGLs = 5-1A] | | |
| * Clitoral Gland | Acinus | Degeneration | Marked |
| | Duct | Ectasia | Moderate |
| | | Inflammation | Suppurative, Marked |
| * Eye | Retina | Degeneration | Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Intestine Small, Duodenum | | Leiomyoma | |
| | [Leiomyoma TGLs = 6-12A] | | |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Mild |
| | | Necrosis | Mild |
| | | Pigmentation | Mild |
| | [Necrosis TGLs = 7-3] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| | [Infiltration Cellular TGLs = 8-4A] | | |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Plasma Cell, Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1282

TRT#: 9

SEX: Female

DAY ON TEST: 730

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801282

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Marked
	[Fibroadenoma TGLs = 1,2,3-2A+2B+2C]		
	[Galactocele TGLs = 1,2,3-2A+2B+2C]		
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4-9A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Pigmentation	Marked
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1291

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801291

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle | * Spinal Cord, Cervical |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|------------------|---|---------------------------|-----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Clitoral Gland | Acinus | Degeneration | Moderate |
| | Duct | Ectasia | Mild |
| | | Inflammation | Suppurative, Moderate |
| | [Degeneration TGLs = 2-7] | | |
| | [Ectasia TGLs = 2-7] | | |
| | [Inflammation TGLs = 2-7] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | Multiple |
| | | Eosinophilic Focus | |
| | | Mixed Cell Focus | Multiple |
| | Note: TGL 7 - NCL | | |
| | Note: TGL 8 also located on slide 3A with TGL 7 | | |
| | [Basophilic Focus TGLs = 8-3+3A] | | |
| | [Eosinophilic Focus TGLs = 8-3+3A] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| * Mammary Gland | | Fibroadenoma | Multiple |
| | | Galactocele | Marked |
| | [Fibroadenoma TGLs = 3,4-2B+2C] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1291

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801291

ORGAN AND ACCOUNTABLE SITE STATUS

[Galactocele TGLs = 1,4-2A+2C]			
* Ovary		Atrophy	Minimal
* Pancreas	Acinus	Degeneration	Minimal
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 6-9]			
* Skin	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLs = 5-2D]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1292

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801292

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland	Duct	Ectasia Inflammation	Moderate Suppurative, Moderate
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
		Vacuolization Cytoplasmic	Minimal
Note: TGL 4 - NCL			
Note: TGL 5 - NCL			
* Lung		Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 3-4A]		
* Mammary Gland		Lactation	Mild
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2-9A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1292

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801292

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1301

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801301

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------|---------------------------------|---------------------------|---------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Bone Marrow | | Hyperplasia | Mild |
| * Clitoral Gland | | Carcinoma | |
| | Duct | Ectasia | Marked |
| | | Inflammation | Suppurative, Marked |
| | [Carcinoma TGLs = 1-7B] | | |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Minimal |
| | Endocardium | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Mild |
| | Note: TGL 4 - NCL | | |
| | Note: TGL 5 - NCL | | |
| | Note: TGL 6 - NCL | | |
| | Note: TGL 7 - NCL | | |
| | [Basophilic Focus TGLs = 2-3] | | |
| * Mammary Gland | Alveolus | Hyperplasia | Mild |
| * Ovary | | Atrophy | Mild |
| * Pancreas | Acinus | Degeneration | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1301

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801301

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLs = 3-9A]	Pars Distalis	Adenoma	
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Cyst	Moderate
		Polyp Stromal	

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1302

TRT#: 9

SEX: Female

DAY ON TEST: 683

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Nose | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|---|---------------|---------------------------|-----------------------|
| * Bone, Femur
[Chondrosarcoma TGLs = 3-15+15A] | | Chondrosarcoma | |
| * Bone Marrow | | Hyperplasia | Moderate |
| * Clitoral Gland
[Carcinoma TGLs = 1-7] | | Carcinoma | |
| * Kidney | | Mineralization | Mild |
| * Liver | Hepatocyte | Degeneration | Marked |
| | Bile Duct | Hyperplasia | Moderate |
| | | Mitotic Alteration | Moderate |
| | | Necrosis | Marked |
| | | Pigmentation | Marked |
| | | Vacuolization Cytoplasmic | Marked |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Moderate |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Plasma Cell, Mild |
| * Mammary Gland | | Lactation | Moderate |
| * Ovary | | Atrophy | Moderate |
| * Pancreas | Acinus | Degeneration | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Skeletal Muscle
[Rhabdomyosarcoma TGLs = 4-2A] | | Rhabdomyosarcoma | |

Note: TGL 4 - Noted grossly as Skin was Skeletal muscle

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1302

TRT#: 9

SEX: Female

DAY ON TEST: 683

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801302

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Hyperplasia	Lymphoid, Mild
		Pigmentation	Moderate
	[Hematopoietic Cell Proliferation TGLs = 2-9]		
	[Hyperplasia TGLs = 2-9]		
	[Pigmentation TGLs = 2-9]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Skeletal Muscle Rhabdomyosarcoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1361

TRT#: 6

SEX: Female

DAY ON TEST: 725

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--------------------|--|---------------------------|-----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Clitoral Gland | Duct | Ectasia | Moderate |
| | | Inflammation | Suppurative, Moderate |
| | [Ectasia TGLs = 1-7] | | |
| | [Inflammation TGLs = 1-7] | | |
| * Eye | Retina | Degeneration | Moderate |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Mild |
| | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | Multiple |
| | | Leukemia Mononuclear | |
| | | Mixed Cell Focus | Multiple |
| | | Vacuolization Cytoplasmic | Marked |
| Note: TGL 15 - NCL | | | |
| Note: TGL 16 - NCL | | | |
| | [Basophilic Focus TGLs = 9-3] | | |
| | [Leukemia Mononuclear TGLs = 8-3] | | |
| | [Mixed Cell Focus TGLs = 12,13,14-3A+3B+3C] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Mild |
| * Mammary Gland | | Fibroadenoma | Multiple |
| | [Fibroadenoma TGLs = 2,3,4,5,6-2A+2B+2C+2D+2E] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1361

TRT#: 6

SEX: Female

DAY ON TEST: 725

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801361

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa [Hyperplasia TGLs = 17-17]	Epithelium	Hyperplasia	Marked
* Ovary		Atrophy	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland [Adenoma TGLs = 10,11-9A]	Pars Distalis	Adenoma	
* Spleen [Leukemia Mononuclear TGLs = 7-9]		Leukemia Mononuclear	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: TGL 17 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1362

TRT#: 6

SEX: Female

DAY ON TEST: 453

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | |

OBSERVATIONS

- | | | | |
|---|--------|---------------------------|-----------------------|
| * Adrenal Cortex | | Hyperplasia | Minimal |
| | | Vacuolization Cytoplasmic | Mild |
| * Clitoral Gland | | Carcinoma | |
| [Carcinoma TGLs = 1-2A] | | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Minimal |
| * Liver | | Basophilic Focus | Multiple |
| | | Leukemia Mononuclear | |
| * Lung | | Congestion | Minimal |
| [Congestion TGLs = 11-4] | | | |
| * Lym Node Mesen | | | |
| Note: TGL 10 - NCL | | | |
| Lymph Node | Lumbar | Infiltration Cellular | Plasma Cell, Moderate |
| | Renal | Infiltration Cellular | Histiocyte, Mild |
| [Infiltration Cellular TGLs = 7-17] | | | |
| [Infiltration Cellular TGLs = 8-17A] | | | |
| * Mammary Gland | | Fibroadenoma | |
| Note: TGL 1 - Noted grossly as Mammary gland was Clitoral gland | | | |
| [Fibroadenoma TGLs = 13-2B] | | | |
| * Ovary | | Atrophy | Moderate |
| Note: TGL 5 - NCL | | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1362

TRT#: 6

SEX: Female

DAY ON TEST: 453

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801362

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLs = 9-9A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
		Pigmentation	Mild
[Leukemia Mononuclear TGLs = 6-9]			
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder	Lumen	Dilatation	Mild
[Dilatation TGLs = 3-8]			
* Uterus		Decidual Reaction	Marked
	Endometrium	Hyperplasia	Cystic, Marked
		Polyp Stromal	
		Sarcoma Stromal	
[Decidual Reaction TGLs = 4-7B]			
[Hyperplasia TGLs = 2-7A+7D]			
[Polyp Stromal TGLs = 12-7C]			
[Sarcoma Stromal TGLs = 4,12-7B+7C]			

Vagina

Note: TGL 12 - Noted grossly as Vagina was Uterus

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1371

TRT#: 6

SEX: Female

DAY ON TEST: 563

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|---------------------------|-----------------------------|
| * Blood Vessel | * Bone, Femur | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--|------------|---------------------------|----------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Brain Stem | | Compression | Mild |
| [Compression TGLs = 6-1] | | | |
| * Clitoral Gland | Acinus | Degeneration | Moderate |
| | Duct | Ectasia | Moderate |
| | | Leukemia Mononuclear | |
| * Intestine Small, Ileum | | Leukemia Mononuclear | |
| * Kidney | | Mineralization | Mild |
| * Liver | | Basophilic Focus | |
| | Hepatocyte | Degeneration | Mild |
| | | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | Sinus | Dilatation | Moderate |
| | | Leukemia Mononuclear | |
| [Dilatation TGLs = 1-10+10A] | | | |
| [Leukemia Mononuclear TGLs = 1-10+10A] | | | |
| * Lymph Node, Mesenteric | Sinus | Dilatation | Mild |
| | | Leukemia Mononuclear | |
| [Dilatation TGLs = 8-11] | | | |
| [Leukemia Mononuclear TGLs = 8-11] | | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1371

TRT#: 6

SEX: Female

DAY ON TEST: 563

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801371

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Adenoma Fibroadenoma	Multiple
[Adenoma TGLs = 5-2A]			
[Fibroadenoma TGLs = 3,5-2B+2A]			
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLs = 7-9A]			
* Skin			
Note: TGL 5 - Noted grossly as Skin was Mammary gland			
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 2-9]			
* Thymus		Atrophy Leukemia Mononuclear	Moderate
* Uterus		Cyst	Marked
[Cyst TGLs = 4-7B]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1372

TRT#: 6

SEX: Female

DAY ON TEST: 682

DOSE: 0.70 GLYCID

DISP: Natural Death

HISTO: 021500801372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Thoracic	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Stomach, Forestomach

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Brain, Cerebellum		Gliosis	Mild
* Clitoral Gland	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-3]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular	Sinus	Dilatation	Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 4,6-2A+2B]		
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1372

TRT#: 6

SEX: Female

DAY ON TEST: 682

DOSE: 0.70 GLYCID

DISP: Natural Death

HISTO: 021500801372

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
* Skin			
Note: TGL 4 - Noted grossly as Skin was Mammary gland			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 1-9]			
* Stomach, Glandular		Adenoma	
[Adenoma TGLs = 5-12A]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Bilateral	Polyp Stromal	
[Polyp Stromal TGLs = 2-7A]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1381

TRT#: 6

SEX: Female

DAY ON TEST: 571

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801381

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose | * Parathyroid Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-----------------------------|---|---------------------------|----------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Minimal |
| * Clitoral Gland | | Carcinoma | |
| | [Carcinoma TGLs = 3-7B] | | |
| * Kidney | | Mineralization | Minimal |
| * Liver | | Basophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Mild |
| | [Leukemia Mononuclear TGLs = 7,8,9-3+3A+3B] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Inguinal | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 2-17] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 6-11] | | |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 1-2A] | | |
| * Ovary | | Atrophy | Mild |
| * Pancreas | Acinus | Degeneration | Mild |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| | [Hyperplasia TGLs = 5-9A] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1381

TRT#: 6

SEX: Female

DAY ON TEST: 571

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801381

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-9]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1382

TRT#: 6

SEX: Female

DAY ON TEST: 506

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801382

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Blood Vessel | * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|--------------------------------------|---------------------------|-------------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Clitoral Gland | Acinus | Degeneration | Mild |
| | Duct | Ectasia | Mild |
| | | Inflammation | Chronic Active, Minimal |
| | [Ectasia TGLs = 1-7B] | | |
| * Heart | | | |
| | Note: TGL 6 - NCL | | |
| * Kidney | | Mineralization | Minimal |
| | | Pigmentation | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | Hepatocyte | Degeneration | Moderate |
| | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 5-3] | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 4-10] | | |
| * Ovary | | Atrophy | Moderate |
| * Pituitary Gland | Pars Distalis | Adenoma | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1382

TRT#: 6

SEX: Female

DAY ON TEST: 506

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801382

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 7-9]

* Spleen

Fibrosis

Marked

Leukemia Mononuclear

Necrosis

Marked

[Fibrosis TGLs = 3-9A]

[Leukemia Mononuclear TGLs = 2-9]

[Necrosis TGLs = 3-9A]

* Stom Gland

Note: TGL 8 - NCL

* Thymus

Atrophy

Marked

* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1391

TRT#: 6

SEX: Female

DAY ON TEST: 551

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801391

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland	Duct	Ectasia	Moderate
		Inflammation	Suppurative, Mild
	[Ectasia TGLs = 4-7B]		
* Eye		Cataract	Mild
	Retina	Degeneration	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	Multiple
		Deformity	
		Leukemia Mononuclear	
	Note: TGL 8 - NCL		
	[Deformity TGLs = 9-3A]		
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7-17]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Adenoma	Multiple
	[Adenoma TGLs = 1,2,3-2A+2B+2C]		
* Ovary		Atrophy	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1391

TRT#: 6

SEX: Female

DAY ON TEST: 551

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801391

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLs = 11-9A]	Pars Distalis	Adenoma	
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen [Leukemia Mononuclear TGLs = 5,6-9B]		Leukemia Mononuclear	
* Thymus		Atrophy	Moderate
* Thyroid Gland Note: TGL 10 - NCL	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1392

TRT#: 6

SEX: Female

DAY ON TEST: 626

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Pancreas	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain, Cerebrum		Gliosis	Mild
* Clitoral Gland	Acinus	Degeneration	Moderate
	Epithelium	Hyperplasia	Marked
		Infiltration Cellular	Lymphocyte, Mild
* Heart	Ventricle	Dilatation	Moderate
		Thrombosis	Marked
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	Multiple
		Deformity	
	Hepatocyte	Degeneration	Moderate
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Moderate
		Necrosis	Moderate
	[Deformity TGLs = 7-3A]		
	[Degeneration TGLs = 6-3]		
	[Necrosis TGLs = 6-3]		
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Mild
		[Hyperplasia TGLs = 5-17]	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1392

TRT#: 6

SEX: Female

DAY ON TEST: 626

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801392

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Hyperplasia	Lymphoid, Mild
[Fibroadenoma TGLs = 1,2,3-2A+2B+2C]		Fibroadenoma	Multiple
* Ovary		Atrophy	Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 8-9A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Mild
		Pigmentation	Moderate
[Fibrosis TGLs = 4-9]			
[Pigmentation TGLs = 4-9]			
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1401

TRT#: 6

SEX: Female

DAY ON TEST: 509

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801401

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLs = 1-7B]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 7-3]			
* Lung		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
		Leukemia Mononuclear	
Note: TGL 9 - NCL (Lymph node, mediastinal, enlarged - normal)			
[Leukemia Mononuclear TGLs = 8-17A]			
[Leukemia Mononuclear TGLs = 6-17]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 2-10+10A]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLs = 5-2A]			
Mesentery			
Note: TGL 6 - Noted grossly as Mesentery was Lymph node NOS			

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1401

TRT#: 6

SEX: Female

DAY ON TEST: 509

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801401

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
	[Adenoma TGLs = 10-9]		
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-9A]		
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	[Hyperplasia TGLs = 3-7A]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1402

TRT#: 6

SEX: Female

DAY ON TEST: 446

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801402

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mesenteric | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Pituitary Gland | * Salivary Glands | * Skeletal Muscle |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | | |
|---|------------|-----------------------|-----------------------|
| * Bone Marrow | | Hyperplasia | Mild |
| * Clitoral Gland | Epithelium | Hyperplasia | Mild |
| | | Inflammation | Chronic Active, Mild |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | | Inflammation | Chronic Active, Mild |
| | | Leukemia Mononuclear | |
| Note: TGL 4 also located on slide 3A with TGL 5 | | | |
| Note: TGL 5 also located on slide 3 with TGL 4 | | | |
| [Basophilic Focus TGLs = 5-3+3A] | | | |
| [Leukemia Mononuclear TGLs = 4-3+3A] | | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| * Lymph Node, Mandibular | Sinus | Dilatation | Marked |
| | | Infiltration Cellular | Plasma Cell, Moderate |
| [Dilatation TGLs = 7-10A] | | | |
| [Infiltration Cellular TGLs = 7-10A] | | | |
| * Mammary Gland | | Fibroadenoma | |
| [Fibroadenoma TGLs = 1-2A] | | | |
| Mesentery | Fat | Necrosis | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1402

TRT#: 6

SEX: Female

DAY ON TEST: 446

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801402

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLs = 3-17]

* Ovary

Atrophy

Mild

* Skin

Inflammation

Suppurative, Marked

Squamous Cell Carcinoma

[Inflammation TGLs = 6-17A]

[Squamous Cell Carcinoma TGLs = 6-17A]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 2-9]

* Thymus

Atrophy

Moderate

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH - Skin Squamous Cell Carcinoma

Animal Note: TGL 6 - Noted grossly as Cavity, oral was Skin

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1461

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|--------------------------|---|----------------------------|-----------------------|
| * Adrenal Cortex | | Angiectasis | Moderate |
| * Clitoral Gland | Duct | Ectasia | Marked |
| | | Inflammation | Suppurative, Moderate |
| | [Ectasia TGLs = 1-7] | | |
| | [Inflammation TGLs = 1-7] | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | Multiple |
| | | Degeneration | Cystic, Minimal |
| | | Eosinophilic Focus | |
| | | Hepatodiaphragmatic Nodule | |
| | | Leukemia Mononuclear | |
| | Note: TGL 3 - NCL | | |
| | Note: TGL 4 - NCL | | |
| | [Hepatodiaphragmatic Nodule TGLs = 2-3] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Moderate |
| | [Infiltration Cellular TGLs = 6-4] | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Ovary | | Atrophy | Moderate |
| * Pancreas | Acinus | Degeneration | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1461

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801461

ORGAN AND ACCOUNTABLE SITE STATUS

* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland [Adenoma TGLs = 5-9A]	Pars Distalis	Adenoma	
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1462	TRT#: 10	SEX: Female	DAY ON TEST: 737
	DOSE: CONTROL WATER	DISP: Terminal Sacrifice	HISTO: 021500801462

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mesenteric | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|--------------------------|--------------------------------------|-----------------------|-------------------------|
| * Adrenal Cortex | | Angiectasis | Moderate |
| * Clitoral Gland | Acinus | Degeneration | Moderate |
| | Duct | Ectasia | Marked |
| | [Degeneration TGLs = 1-7B] | | |
| | [Ectasia TGLs = 1-7B] | | |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | | Clear Cell Focus | |
| | | Inflammation | Chronic Active, Minimal |
| | [Basophilic Focus TGLs = 2-3] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| | [Infiltration Cellular TGLs = 3-4] | | |
| * Lymph Node, Mandibular | | Hyperplasia | Lymphoid, Mild |
| | | Infiltration Cellular | Plasma Cell, Moderate |
| * Mammary Gland | | Lactation | Mild |
| * Ovary | | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Spinal Cord, Cervical | Axon | Degeneration | Minimal |
| * Spinal Cord, Lumbar | Nerve | Degeneration | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1462

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801462

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1471

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801471

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland	Duct	Ectasia	Moderate
	[Ectasia TGLs = 2-7B]		
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Deformity	
	Hepatocyte	Degeneration	Marked
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Marked
	[Deformity TGLs = 8-3]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Plasma Cell, Moderate
	[Hyperplasia TGLs = 1-10]		
	[Infiltration Cellular TGLs = 1-10]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1471

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801471

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland	Alveolus	Hyperplasia	Moderate
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLs = 5-17]			
* Pancreas	Acinus	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 7-9A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLs = 4-9]			
[Leukemia Mononuclear TGLs = 3-9]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLs = 6-6]			

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1472

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801472

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle | * Spinal Cord, Cervical |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|-----------------------------|--------|---------------------------|---------------------------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Clitoral Gland | Duct | Ectasia | Moderate |
| | | Inflammation | Chronic Active, Mild |
| | | | [Ectasia TGLs = 1-7] |
| | | | [Inflammation TGLs = 1-7] |
| * Eye | Retina | Degeneration | Moderate |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | Multiple |
| | | Inflammation | Chronic Active, Minimal |
| | | | [Basophilic Focus TGLs = 6-3] |
| * Lung | | Infiltration Cellular | Histiocyte, Mild |
| | | | [Infiltration Cellular TGLs = 5-4A] |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Marked |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Mammary Gland | | Fibroadenoma | |
| | | | [Fibroadenoma TGLs = 2-2A] |
| * Nose | | Hyaline Droplet | Mild |
| * Ovary | | Atrophy | Mild |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1472

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801472

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 3-9A]			
* Skin	Epithelium	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
		Ulcer	Mild
[Hyperplasia TGLs = 4-2B]			
[Inflammation TGLs = 4-2B]			
[Ulcer TGLs = 4-2B]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1481

TRT#: 10

SEX: Female

DAY ON TEST: 579

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500801481

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Nose | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-----------------------------|--------------------------------|------------------|--------------------------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Minimal |
| * Liver | | Basophilic Focus | Multiple |
| | | Inflammation | Chronic Active, Moderate |
| Note: TGL 3 - NCL | | | |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Mammary Gland | | Adenocarcinoma | |
| | [Adenocarcinoma TGLs = 1-2A] | | |
| * Ovary | | Atrophy | Mild |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Spinal Cord, Lumbar | Nerve | Degeneration | Minimal |
| * Spleen | | Pigmentation | Mild |
| * Thymus | | Atrophy | Moderate |
| * Thyroid Gland | C Cell | Hyperplasia | Mild |
| * Uterus | Lumen | Dilatation | Marked |
| | [Dilatation TGLs = 2-7A] | | |

PRIMARY CAUSE OF DEATH - Mammary Gland Adenocarcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1482

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801482

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mesenteric |
| * Pancreas | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---|---------------|-----------------------|-------------------------|
| * Clitoral Gland
[Ectasia TGLs = 1-7] | Duct | Ectasia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | Multiple |
| | | Clear Cell Focus | |
| | | Deformity | |
| | | Eosinophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Moderate |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| Note: TGL 6 - NCL
[Basophilic Focus TGLs = 7-3]
[Deformity TGLs = 8-3B] | | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Mammary Gland | | Lactation | Mild |
| * Nose | | Hyaline Droplet | Moderate |
| * Ovary | | Atrophy | Mild |
| * Parathyroid Gland | | Hyperplasia | Mild |
| * Pituitary Gland
[Adenoma TGLs = 5-9A] | Pars Distalis | Adenoma | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1482

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801482

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Bilateral	Polyp Stromal	

[Polyp Stromal TGLs = 2,3,4,9,10-7A+7B+7C+7D]

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1491

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801491

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mesenteric | * Mammary Gland | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|--------------------------|----------------|---------------------------|----------------------|
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Clitoral Gland | | Adenoma | |
| | Acinus | Degeneration | Mild |
| | Duct | Ectasia | Marked |
| | | Inflammation | Suppurative, Marked |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Moderate |
| | | Inflammation | Chronic Active, Mild |
| | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Mild |
| Note: TGL 2 - NCL | | | |
| * Lung | Alveolar Epith | Hyperplasia | Mild |
| | | Infiltration Cellular | Histiocyte, Mild |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Nose | | Hyaline Droplet | Mild |
| * Ovary | | Atrophy | Minimal |
| * Pancreas | Acinus | Degeneration | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1491

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801491

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear Pigmentation	Marked
[Leukemia Mononuclear TGLs = 1-9]			
[Pigmentation TGLs = 1-9]			
* Thymus		Atrophy	Marked

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1492

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801492

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-9]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Lumen	Dilatation	Marked
	[Dilatation TGLs = 1-7A]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1561

TRT#: 9

SEX: Female

DAY ON TEST: 725

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801561

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mesenteric | * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle |
| * Spinal Cord, Cervical | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|--------------------------|---|---------------------------|-------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Minimal |
| * Clitoral Gland | Acinus | Degeneration | Marked |
| | | Inflammation | Chronic, Moderate |
| | [Degeneration TGLs = 1-7] | | |
| | [Inflammation TGLs = 1-7] | | |
| * Eye | Retina | Degeneration | Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | Note: TGL 6 - NCL | | |
| | Note: TGL 7 - NCL | | |
| | [Basophilic Focus TGLs = 8-3C] | | |
| * Lung | Alveolar Epith | Hyperplasia | Mild |
| | | Infiltration Cellular | Histiocyte, Mild |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Mammary Gland | | Fibroadenoma | Multiple |
| | Note: TGL 3 - Noted grossly as Mammary gland was Skin | | |
| | [Fibroadenoma TGLs = 2,4-2A+2C] | | |
| * Nose | | Hyaline Droplet | Mild |
| * Ovary | | Atrophy | Mild |
| | | Cyst | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1561

TRT#: 9

SEX: Female

DAY ON TEST: 725

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801561

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLs = 5-7]

* Pancreas	Acinus	Degeneration	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	Subcut Tiss	Lipoma	

[Lipoma TGLs = 3-2B]

* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1562

TRT#: 9

SEX: Female

DAY ON TEST: 690

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801562

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Vacuolization Cytoplasmic	Mild
* Bone Marrow	Hyperplasia	Mild
* Brain, Brain Stem	Compression	Mild
[Compression TGLs = 9-1A]		
* Clitoral Gland	Acinus	Degeneration
		Inflammation
		Marked
		Chronic Active, Marked
Note: TGL 3 - Noted grossly as Clitoral gland was Mammary gland		
[Degeneration TGLs = 2-7]		
* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Mild
* Liver	Basophilic Focus	Multiple
[Basophilic Focus TGLs = 6-3]		
* Lung	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLs = 8-4]		
* Lymph Node, Mandibular	Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland	Abscess	Marked
	Fibroadenoma	Multiple
	Galactocele	Marked
	Inflammation	Chronic Active, Marked
[Abscess TGLs = 1-2A]		
[Fibroadenoma TGLs = 1,4-2A+2B]		
[Galactocele TGLs = 3,4-7+2B]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1562

TRT#: 9

SEX: Female

DAY ON TEST: 690

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801562

ORGAN AND ACCOUNTABLE SITE STATUS

	[Inflammation TGLs = 3-7]		
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 10,11-9A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
	Nerve	Gliosis	Mild
* Spleen		Pigmentation	Marked
	Note: TGL 5 - NCL		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
	Note: TGL 7 - NCL		
* Uterus	Endometrium	Hyperplasia Polyp Stromal	Cystic, Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1571

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801571

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose | * Parathyroid Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|-----------------------------|---------------------------------|--------------------|-------------------------|
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | Multiple |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | | Inflammation | Chronic Active, Minimal |
| | [Basophilic Focus TGLs = 2-3] | | |
| * Mammary Gland | | Fibroadenoma | |
| | | Galactocele | Marked |
| | [Fibroadenoma TGLs = 1-2A] | | |
| | [Galactocele TGLs = 1-2A] | | |
| * Ovary | | Atrophy | Moderate |
| * Pancreas | Acinus | Degeneration | Minimal |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 3-9] | | |
| * Spinal Cord, Cervical | Axon | Degeneration | Minimal |
| * Spinal Cord, Lumbar | Nerve | Degeneration | Mild |
| * Spinal Cord, Thoracic | Axon | Degeneration | Minimal |
| * Spleen | | Pigmentation | Mild |
| * Thymus | | Atrophy | Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1571

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801571

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1572

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801572

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|-----------------------------|---------------------------|-----------------------------|
| * Blood Vessel | * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum |
| * Brain, Cerebrum | * Clitoral Gland | * Esophagus | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|---|-----------------------|---------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Eye | Bilateral, Retina | Degeneration | Marked |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Marked |
| | Hepatocyte | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | | Necrosis | Marked |
| | [Eosinophilic Focus TGLs = 7-3D] | | |
| | [Hyperplasia TGLs = 4,6,7-3A+3C+3D] | | |
| | [Leukemia Mononuclear TGLs = 8-3] | | |
| | [Necrosis TGLs = 5-3B] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 2-17] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 11-10+10A] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Mammary Gland | | Fibroadenoma | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1572	TRT#: 9	SEX: Female	DAY ON TEST: 737
	DOSE: 0.0875 GLYCID	DISP: Terminal Sacrifice	HISTO: 021500801572

ORGAN AND ACCOUNTABLE SITE STATUS

		Galactocele	Marked
	[Fibroadenoma TGLs = 1-2A]		
	[Galactocele TGLs = 1-2A]		
* Nose		Hyaline Droplet	Mild
* Ovary		Atrophy	Moderate
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLs = 9-9]		
	[Leukemia Mononuclear TGLs = 9-9]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
	[Fibrosis TGLs = 10-9A]		
	[Leukemia Mononuclear TGLs = 3-9]		
* Stom Gland			
	Note: TGL 12 - NCL		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1581

TRT#: 9

SEX: Female

DAY ON TEST: 635

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801581

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Harderian Gland |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Thyroid Gland | * Trachea | * Uterus | |

OBSERVATIONS

- | | | | |
|--------------------------|-------------------------------------|---------------------------|-----------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Blood Vessel | | Leukemia Mononuclear | |
| * Bone, Femur | | Fibrous Osteodystrophy | Marked |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Brain Stem | | Compression | Mild |
| | | Leukemia Mononuclear | |
| | [Compression TGLs = 19-1A] | | |
| * Clitoral Gland | Acinus | Degeneration | Marked |
| | | Inflammation | Suppurative, Moderate |
| | | Leukemia Mononuclear | |
| | [Degeneration TGLs = 4-7] | | |
| | [Inflammation TGLs = 4-7] | | |
| | [Leukemia Mononuclear TGLs = 4-7] | | |
| * Eye | Bilateral, Retina | Degeneration | Marked |
| * Heart | | Leukemia Mononuclear | |
| * Intestine Large, Cecum | | Leukemia Mononuclear | |
| * Islets, Pancreatic | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Mineralization | Minimal |
| * Liver | Hepatocyte | Degeneration | Marked |
| | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Marked |
| | [Degeneration TGLs = 11-3] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1581

TRT#: 9

SEX: Female

DAY ON TEST: 635

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801581

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 11-3]			
[Vacuolization Cytoplasmic TGLs = 11-3]			
* Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Axillary	Leukemia Mononuclear	
	Cervical	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Brachial	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 3-17]			
[Leukemia Mononuclear TGLs = 6-17A]			
[Leukemia Mononuclear TGLs = 8-17C]			
[Leukemia Mononuclear TGLs = 9-17D]			
[Leukemia Mononuclear TGLs = 12-17E]			
[Leukemia Mononuclear TGLs = 13-17F]			
[Leukemia Mononuclear TGLs = 15-17G]			
[Leukemia Mononuclear TGLs = 7-17B]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 5-10+10A]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 18-11]			
* Mammary Gland		Fibroadenoma	Multiple
		Leukemia Mononuclear	
[Fibroadenoma TGLs = 1,2-2A+2B]			
[Leukemia Mononuclear TGLs = 2-2B]			
* Ovary		Atrophy	Marked
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1581

TRT#: 9

SEX: Female

DAY ON TEST: 635

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801581

ORGAN AND ACCOUNTABLE SITE STATUS

Leukemia Mononuclear

[Adenoma TGLs = 17-9A]

[Leukemia Mononuclear TGLs = 17-9A]

* Salivary Glands

Leukemia Mononuclear

* Spinal Cord, Thoracic

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 16-5A]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 10-9]

* Stomach, Forestomach

Epithelium

Hyperplasia

Moderate

[Hyperplasia TGLs = 21,22,23,24,25-12B+12C+12D+12E+12F]

* Stomach, Glandular

Necrosis

Moderate

[Necrosis TGLs = 20-12A]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 14-10]

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1582

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801582

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skeletal Muscle	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Clitoral Gland	Acinus	Degeneration	Mild
	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
* Eye	Bilateral, Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	Multiple
Note: TGL 5 - NCL			
[Basophilic Focus TGLs = 6-3]			
[Mixed Cell Focus TGLs = 6-3]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Fibroadenoma	
Note: TGL 2 - Noted grossly as Mammary gland was Skin			
[Fibroadenoma TGLs = 1-2A]			
* Ovary		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1582

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801582

ORGAN AND ACCOUNTABLE SITE STATUS

* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLs = 4-9A]			
* Skin	Subcut Tiss	Lipoma	
[Lipoma TGLs = 2-2B]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 3-9]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1591

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801591

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Carcinoma	Metastatic (Pituitary Gland)
		Compression	Mild
	[Compression TGLs = 5-1A]		
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
	[Mixed Cell Focus TGLs = 3-3A]		
* Lymph Node, Mandibular	Sinus	Dilatation	Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Marked
	[Fibroadenoma TGLs = 1,2-2A+2B]		
	[Galactocele TGLs = 1-2A]		
* Nose		Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
* Ovary		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1591

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801591

ORGAN AND ACCOUNTABLE SITE STATUS

* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLs = 4-9A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Lumen	Dilatation	Mild

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1592

TRT#: 9

SEX: Female

DAY ON TEST: 702

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801592

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Eye	Retina	Degeneration	Moderate
* Heart		Leukemia Mononuclear	
* Kidney		Mineralization	Mild
* Liver		Deformity	
	Hepatocyte	Degeneration	Marked
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Marked
	[Deformity TGLs = 6-3A]		
	[Degeneration TGLs = 5-3]		
	[Hyperplasia TGLs = 5-3]		
	[Leukemia Mononuclear TGLs = 5-3]		
	[Vacuolization Cytoplasmic TGLs = 5-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1592	TRT#: 9	SEX: Female	DAY ON TEST: 702
	DOSE: 0.0875 GLYCID	DISP: Moribund Sacrifice	HISTO: 021500801592

ORGAN AND ACCOUNTABLE SITE STATUS

	Mediastinal	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: WT requested for TGL 4 located on slide 17E			
	[Leukemia Mononuclear TGLs = 4-17E]		
	[Leukemia Mononuclear TGLs = 7-17B]		
	[Leukemia Mononuclear TGLs = 8-17C]		
	[Leukemia Mononuclear TGLs = 9-17D]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 10-9]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-9]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
Vagina	Lumen	Dilatation	Marked
	[Dilatation TGLs = 3-17]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1601

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801601

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Spinal Cord, Cervical	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Clitoral Gland		Adenoma	
	Duct	Ectasia	Marked
	[Adenoma TGLs = 3-7]		
	[Ectasia TGLs = 3-7]		
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Basophilic Focus TGLs = 7-3]		
* Lung		Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLs = 8-4A]		
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Marked
	[Fibroadenoma TGLs = 1,2,4,9-2A+2B+2C+2E]		
	[Galactocele TGLs = 1-2A]		
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1601

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801601

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 6-9A]			
* Skin		Infiltration Cellular Inflammation	Plasma Cell, Mild Suppurative, Marked
[Inflammation TGLs = 5-2D]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1602

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801602

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Clitoral Gland	Duct	Adenoma Ectasia	Moderate
[Ectasia TGLs = 1-7]			
* Eye	Retina	Degeneration	Marked
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	Multiple
		Granuloma	Moderate
		Infiltration Cellular	Lymphocyte, Mild
		Necrosis	Moderate
[Necrosis TGLs = 2-3]			
* Pancreas	Acinus	Degeneration	Minimal
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 3-9A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1611

TRT#: 6

SEX: Female

DAY ON TEST: 574

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801611

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---|---------------|---------------------------|-----------------------|
| * Bone Marrow | | Atrophy | Marked |
| * Clitoral Gland | Acinus | Degeneration | Moderate |
| | Epithelium | Hyperplasia | Moderate |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Vacuolization Cytoplasmic | Mild |
| Lymph Node | Pancreatic | Infiltration Cellular | Plasma Cell, Moderate |
| [Infiltration Cellular TGLs = 1-17] | | | |
| * Lymph Node, Mandibular | | Hyperplasia | Lymphoid, Mild |
| | | Infiltration Cellular | Plasma Cell, Mild |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Plasma Cell, Mild |
| Mesentery | | | |
| Note: TGL 1 - Noted grossly as Mesentery was Lymph node, pancreatic | | | |
| * Ovary | | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Marked |
| | Pars Intermed | Hyperplasia | Mild |
| * Spinal Cord, Lumbar | Nerve | Degeneration | Minimal |
| * Spleen | | Pigmentation | Marked |
| * Thymus | | Atrophy | Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1611

TRT#: 6

SEX: Female

DAY ON TEST: 574

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801611

ORGAN AND ACCOUNTABLE SITE STATUS

Tongue

Squamous Cell Carcinoma

[Squamous Cell Carcinoma TGLs = 2-17A]

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

- Tongue Squamous Cell Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1612

TRT#: 6

SEX: Female

DAY ON TEST: 614

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801612

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--|--------------------|---|---------------------|
| * Brain, Brain Stem
[Compression TGLs = 7-1] | | Compression | Mild |
| * Clitoral Gland
[Ectasia TGLs = 4-7]
[Hyperplasia TGLs = 4-7] | Duct
Epithelium | Ectasia
Hyperplasia | Moderate
Marked |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Pigmentation | Mild |
| * Liver | Bile Duct | Basophilic Focus
Hyperplasia
Leukemia Mononuclear | Multiple
Minimal |
| Note: TGL 6 - NCL | | | |
| * Lymph Node, Mandibular | | Hyperplasia | Lymphoid, Moderate |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Minimal |
| * Mammary Gland
[Fibroadenoma TGLs = 1,2,3-2A+2B+2C] | | Fibroadenoma | Multiple |
| Oral Mucosa
[Squamous Cell Papilloma TGLs = 9-17] | | Squamous Cell Papilloma | |
| * Ovary | | Atrophy | Moderate |
| * Pituitary Gland
[Adenoma TGLs = 8-9A] | Pars Distalis | Adenoma | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1612

TRT#: 6

SEX: Female

DAY ON TEST: 614

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801612

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
* Thymus		Atrophy	Moderate
* Uterus	Cervix	Fibrosis	Moderate
	Endometrium	Hyperplasia	Cystic, Mild

[Fibrosis TGLs = 5-7B]

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: TGL 9 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1621

TRT#: 6

SEX: Female

DAY ON TEST: 513

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801621

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Bone Marrow		Leukemia Mononuclear	
* Brain, Brain Stem		Leukemia Mononuclear	
* Brain, Cerebellum		Gliosis	Mild
		Leukemia Mononuclear	
* Brain, Cerebrum		Hemorrhage	Marked
		Leukemia Mononuclear	
		Necrosis	Marked
	[Hemorrhage TGLs = 4-1]		
	[Leukemia Mononuclear TGLs = 4-1]		
	[Necrosis TGLs = 4-1]		
* Clitoral Gland	Acinus	Degeneration	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Leukemia Mononuclear	
* Kidney		Mineralization	Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	Multiple
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
	[Angiectasis TGLs = 3-3A]		
	[Hepatodiaphragmatic Nodule TGLs = 2-3]		
	[Leukemia Mononuclear TGLs = 3-3A]		
* Lung		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1621

TRT#: 6

SEX: Female

DAY ON TEST: 513

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801621

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Chronic Active, Mild
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Marked
	[Cyst TGLs = 5-9A]		
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-9]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1622

TRT#: 6

SEX: Female

DAY ON TEST: 521

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Clitoral Gland	Acinus	Degeneration Inflammation	Mild Chronic Active, Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus Inflammation Leukemia Mononuclear Pigmentation	Multiple Chronic Active, Minimal Mild
[Pigmentation TGLs = 4-3]			
* Lymph Node, Mandibular	Sinus	Dilatation Hyperplasia Infiltration Cellular	Marked Lymphoid, Moderate Plasma Cell, Moderate
[Hyperplasia TGLs = 2-10]			
[Infiltration Cellular TGLs = 2-10]			
* Lymph Node, Mesenteric		Hyperplasia Infiltration Cellular	Lymphoid, Mild Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLs = 1-2A]			
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1622

TRT#: 6

SEX: Female

DAY ON TEST: 521

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801622

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 5-9A]			
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear Pigmentation	Moderate
[Leukemia Mononuclear TGLs = 3-9]			
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Lumen	Dilatation	Moderate
	Endometrium	Hyperplasia	Cystic, Mild
[Dilatation TGLs = 7-7A]			
[Hyperplasia TGLs = 7-7A]			
Zymbal's Gland		Carcinoma	
[Carcinoma TGLs = 6-17]			

PRIMARY CAUSE OF DEATH - Zymbal's Gland Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1631

TRT#: 6

SEX: Female

DAY ON TEST: 593

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801631

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|-----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | |
|--------------------------|--|----------------------|
| * Adrenal Cortex | | Leukemia Mononuclear |
| * Blood Vessel | | Leukemia Mononuclear |
| * Bone Marrow | | Leukemia Mononuclear |
| * Clitoral Gland | | Carcinoma |
| | [Carcinoma TGLs = 2-7B] | |
| * Heart | | Leukemia Mononuclear |
| * Kidney | | Leukemia Mononuclear |
| * Liver | | Leukemia Mononuclear |
| | [Leukemia Mononuclear TGLs = 9-3] | |
| * Lung | | Leukemia Mononuclear |
| Lymph Node | Pancreatic | Leukemia Mononuclear |
| | Renal | Leukemia Mononuclear |
| | Mediastinal | Leukemia Mononuclear |
| | Cervical | Leukemia Mononuclear |
| | [Leukemia Mononuclear TGLs = 7-17] | |
| | [Leukemia Mononuclear TGLs = 8-17A] | |
| | [Leukemia Mononuclear TGLs = 10-17B] | |
| | [Leukemia Mononuclear TGLs = 11-17C] | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear |
| | [Leukemia Mononuclear TGLs = 1-10+10A] | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear |
| | [Leukemia Mononuclear TGLs = 12-11] | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1631

TRT#: 6

SEX: Female

DAY ON TEST: 593

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801631

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	
* Ovary		Atrophy	Mild
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
	[Fibrosis TGLs = 6-9A]		
	[Leukemia Mononuclear TGLs = 5-9A]		
* Thymus		Atrophy	Moderate
		Leukemia Mononuclear	
* Uterus		Cyst	Mild
		Leukemia Mononuclear	
		Polyp Stromal	
	[Cyst TGLs = 3-7A]		
	[Polyp Stromal TGLs = 4-7A]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1632

TRT#: 6

SEX: Female

DAY ON TEST: 422

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801632

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Intestine Large, Cecum	Lumen	Dilatation	Mild
[Dilatation TGLs = 2-12]			
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lymph Node, Mandibular		Hemorrhage	Mild
[Hemorrhage TGLs = 1-10]			
* Nose	Nasopharyn Dct	Squamous Cell Carcinoma	
Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLs = 3-17]			
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

Animal Note: TGL 3 - Noted grossly as Cavity, oral was Oral mucosa

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1641

TRT#: 6

SEX: Female

DAY ON TEST: 705

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801641

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Thoracic
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Acinus	Degeneration	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Necrosis	Minimal
Note: TGL 7 - NCL			
Note: TGL 8 - NCL			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLs = 5-4A]			
Lymph Node	Cervical	Carcinoma	Metastatic (Thyroid Gland)
[Carcinoma TGLs = 4-17]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Adenoma	
		Fibroadenoma	
[Adenoma TGLs = 6-2B]			
[Fibroadenoma TGLs = 1-2A]			

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1641

TRT#: 6

SEX: Female

DAY ON TEST: 705

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801641

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 9-12A]		
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Adenoma	
	C Cell	Carcinoma	
	[Adenoma TGLs = 3-6]		
	[Carcinoma TGLs = 2-6]		

PRIMARY CAUSE OF DEATH - Thyroid Gland C Cell Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1642

TRT#: 6

SEX: Female

DAY ON TEST: 663

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801642

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skeletal Muscle | * Spinal Cord, Cervical | * Spinal Cord, Thoracic | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|--|-----------|-----------------------|-----------------------|
| * Bone Marrow | | Hyperplasia | Mild |
| * Brain, Brain Stem | | Compression | Mild |
| [Compression TGLs = 12-1A] | | | |
| * Clitoral Gland | | Carcinoma | |
| [Carcinoma TGLs = 1-7] | | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | | Mixed Cell Focus | |
| [Leukemia Mononuclear TGLs = 9-3] | | | |
| [Mixed Cell Focus TGLs = 16-3A] | | | |
| Lymph Node | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 10-17] | | | |
| * Lymph Node, Mandibular | Sinus | Dilatation | Mild |
| | | Infiltration Cellular | Plasma Cell, Moderate |
| | | Leukemia Mononuclear | |
| [Dilatation TGLs = 4-10A] | | | |
| [Infiltration Cellular TGLs = 4-10A] | | | |
| [Leukemia Mononuclear TGLs = 4-10A] | | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANATOMY PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1642

TRT#: 6

SEX: Female

DAY ON TEST: 663

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801642

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 14-11]			
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Marked
[Fibroadenoma TGLs = 2,3,5-2A+2B+2C]			
[Galactocele TGLs = 2,3-2A+2B]			
Mesentery			
Note: TGL 10 - Noted grossly as Mesentery was Lymph node, NOS			
* Nose		Adenoma	
Oral Mucosa	Epithelium	Hyperplasia	Moderate
Note: Oral mucosa also located on slide 14			
[Hyperplasia TGLs = 11-17A]			
* Ovary		Atrophy	Marked
		Cyst	Marked
[Cyst TGLs = 6-7]			
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 13-9A]			
* Skin		Inflammation	Suppurative, Mild
		Ulcer	Moderate
[Inflammation TGLs = 15-2D]			
[Ulcer TGLs = 15-2D]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
	Neuron	Degeneration	Mild
		Gliosis	Mild
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
* Thymus		Atrophy	Marked
* Uterus		Hemorrhage	Marked
	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1642

TRT#: 6

SEX: Female

DAY ON TEST: 663

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801642

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLs = 7,8-7A]

[Hyperplasia TGLs = 7,8-7A]

[Polyp Stromal TGLs = 7,8-7A]

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

Animal Note: TGL 11 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1651

TRT#: 6

SEX: Female

DAY ON TEST: 621

DOSE: 0.70 GLYCID

DISP: Natural Death

HISTO: 021500801651

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Heart	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Spinal Cord, Cervical
* Spinal Cord, Thoracic	* Stomach, Glandular		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Clitoral Gland	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
	[Ectasia TGLs = 3-7]		
	[Inflammation TGLs = 3-7]		
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	Multiple
		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-2A]		
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLs = 2-9A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked
Tongue	Epithelium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1651

TRT#: 6

SEX: Female

DAY ON TEST: 621

DOSE: 0.70 GLYCID

DISP: Natural Death

HISTO: 021500801651

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 4-17]

PRIMARY CAUSE OF DEATH

- UNCERTAIN

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1652

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 0.70 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801652

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mesenteric |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | |
|--|---------------------------|------------------|
| * Adrenal Cortex
Note: TGL 5 - NCL | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla
Note: TGL 5 - NCL | Pheochromocytoma Benign | |
| * Brain, Brain Stem
[Compression TGLs = 6-1A] | Compression | Mild |
| * Clitoral Gland
Note: TGL 2 - Noted grossly as Clitoral gland was Mammary gland
[Carcinoma TGLs = 8-7C] | Carcinoma | |
| * Heart | Cardiomyopathy | Mild |
| * Kidney | Mineralization | Minimal |
| | Nephropathy | Moderate |
| * Liver | Basophilic Focus | Multiple |
| | Eosinophilic Focus | |
| | Mixed Cell Focus | Multiple |
| Note: TGL 9 - NCL | | |
| Note: TGL 10 - NCL | | |
| Note: TGL 11 - NCL | | |
| Note: TGL 12 - NCL | | |
| Note: TGL 13 - NCL | | |
| Note: TGL 14 - NCL | | |
| * Lung | Infiltration Cellular | Histiocyte, Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1652

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 0.70 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801652

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLs = 15-4A]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
Note: TGL 1 located on slide 10A only			
[Hyperplasia TGLs = 1-10A]			
* Mammary Gland		Adenoma	
		Fibroadenoma	Multiple
[Adenoma TGLs = 2-7B]			
[Fibroadenoma TGLs = 2,3-7B+2A]			
* Nose		Inflammation	Suppurative, Mild
* Ovary		Atrophy	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 7-9]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLs = 4-7A]			

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1711

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801711

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Clitoral Gland	Duct	Ectasia	Marked
		Squamous Cell Carcinoma	
	[Ectasia TGLs = 1-7]		
	[Squamous Cell Carcinoma TGLs = 1-7]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Mild
	[Basophilic Focus TGLs = 2-3]		
* Lung		Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 3-4A]		
* Lymph Node, Mandibular	Sinus	Dilatation	Mild
		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Nose		Hyaline Droplet	Mild
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1711

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801711

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1712

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801712

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|-----------------------------|-----------------------------|---------------------------|----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Clitoral Gland | Duct | Ectasia | Moderate |
| | | Inflammation | Suppurative, Mild |
| | [Ectasia TGLs = 1-7] | | |
| | [Inflammation TGLs = 1-7] | | |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Mild |
| * Heart | | Schwannoma Malignant | |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | | Deformity | |
| | Bile Duct | Hyperplasia | Mild |
| | | Inflammation | Chronic Active, Mild |
| | | Leukemia Mononuclear | |
| | Note: TGL 3 - NCL | | |
| | [Deformity TGLs = 2-3A] | | |
| * Lymph Node, Mandibular | | Hyperplasia | Lymphoid, Minimal |
| | | Infiltration Cellular | Plasma Cell, Mild |
| * Ovary | | Atrophy | Marked |
| * Pancreas | Acinus | Degeneration | Marked |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1712

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801712

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLs = 4-9]	Pars Distalis	Adenoma	
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1721

TRT#: 10

SEX: Female

DAY ON TEST: 687

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500801721

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|-----------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Esophagus | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mesenteric |
| * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---------------------|-----------------------------------|---|--|
| * Brain, Brain Stem | | Carcinoma
Compression
Hemorrhage | Metastatic (Pituitary Gland)
Mild
Mild |
| | [Carcinoma TGLs = 11-1] | | |
| | [Compression TGLs = 11,12-1+1A] | | |
| | [Hemorrhage TGLs = 11-1] | | |
| * Brain, Cerebellum | | Hemorrhage | Moderate |
| * Brain, Cerebrum | | Hemorrhage | Minimal |
| * Clitoral Gland | Acinus | Degeneration
Inflammation | Mild
Suppurative, Marked |
| * Eye | Retina | Degeneration
Inflammation | Mild
Suppurative, Mild |
| | [Degeneration TGLs = 9-13] | | |
| | [Inflammation TGLs = 9-13] | | |
| * Kidney | | Mineralization
Nephropathy | Minimal
Minimal |
| * Liver | | Basophilic Focus
Degeneration | Multiple
Cystic, Mild |
| | Bile Duct | Hyperplasia
Leukemia Mononuclear
Mixed Cell Focus | Marked

Multiple |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1721

TRT#: 10

SEX: Female

DAY ON TEST: 687

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500801721

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Moderate
		Vacuolization Cytoplasmic	Marked
Note: TGL 6 - NCL			
Note: TGL 4 - NCL			
Note: TGL 3 - NCL			
[Basophilic Focus TGLs = 5,7-3+3C]			
[Mixed Cell Focus TGLs = 5-3]			
* Lung		Carcinoma	Metastatic (Zymbal'S Gland)
[Carcinoma TGLs = 8-4A]			
* Lymph Node, Mandibular	Sinus	Dilatation	Marked
		Infiltration Cellular	Plasma Cell, Moderate
		Leukemia Mononuclear	
[Dilatation TGLs = 1-10]			
[Leukemia Mononuclear TGLs = 1-10]			
* Mammary Gland	Alveolus	Hyperplasia	Marked
		Lactation	Marked
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLs = 13-9A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
Vagina	Lumen	Dilatation	Marked
	Mucocyte	Hyperplasia	Marked
[Dilatation TGLs = 2-17]			
Zymbal's Gland		Carcinoma	
[Carcinoma TGLs = 10-17A]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1722

TRT#: 10

SEX: Female

DAY ON TEST: 715

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500801722

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle | * Spinal Cord, Cervical |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|-----------------------------|-------------------|---------------------------|----------------------|
| * Brain, Brain Stem | | Compression | Mild |
| [Compression TGLs = 5-1A] | | | |
| * Clitoral Gland | | Inflammation | Chronic Active, Mild |
| * Eye | Bilateral, Retina | Degeneration | Mild |
| * Harderian Gland | | Inflammation | Chronic, Marked |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Marked |
| * Liver | | Basophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Mild |
| | | Mixed Cell Focus | Multiple |
| | | Pigmentation | Moderate |
| | | Vacuolization Cytoplasmic | Moderate |
| Note: TGL 8 - NCL | | | |
| Note: TGL 9 - NCL | | | |
| Note: TGL 10 - NCL | | | |
| Note: TGL 11 - NCL | | | |
| Note: TGL 12 - NCL | | | |
| Note: TGL 7 - NCL | | | |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Plasma Cell, Mild |
| * Mammary Gland | | Adenoma | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1722	TRT#: 10	SEX: Female	DAY ON TEST: 715
	DOSE: CONTROL WATER	DISP: Moribund Sacrifice	HISTO: 021500801722

ORGAN AND ACCOUNTABLE SITE STATUS

		Fibroadenoma	Multiple
		Galactocele	Marked
	[Adenoma TGLs = 14-2F]		
	[Fibroadenoma TGLs = 3,4,13-2C+2D+2E]		
	[Galactocele TGLs = 3,4-2C+2D]		
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 6-9A]		
* Skin	Epithelium	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
		Ulcer	Moderate
	[Hyperplasia TGLs = 1,2-2A+2B]		
	[Inflammation TGLs = 1,2-2A+2B]		
	[Ulcer TGLs = 1,2-2A+2B]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1731

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801731

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Skeletal Muscle | * Skin | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|-----------------------------|--|--|------------------------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Blood Vessel | | | |
| Note: Located on slide 2A | | | |
| * Bone Marrow | | Hyperplasia | Mild |
| * Clitoral Gland | Duct | Ectasia
Inflammation | Marked
Chronic Active, Moderate |
| | [Ectasia TGLs = 1-7] | | |
| | [Inflammation TGLs = 1-7] | | |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Mineralization
Nephropathy | Minimal
Mild |
| * Liver | | Basophilic Focus
Inflammation
Mixed Cell Focus | Multiple
Chronic Active, Mild |
| | [Basophilic Focus TGLs = 7-3] | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Ovary | | Cyst
Granulosa Cell Tumor Malignant | Marked |
| | [Cyst TGLs = 2-7] | | |
| | [Granulosa Cell Tumor Malignant TGLs = 3-7B] | | |
| * Parathyroid Gland | | Hyperplasia | Mild |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1731

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801731

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLs = 6-9A]	Pars Distalis	Adenoma	
* Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Polyp Stromal	
[Hyperplasia TGLs = 4-7C]			
[Polyp Stromal TGLs = 5-7A]			

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1732

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801732

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | |
|---|----------------------------------|--------------------------|
| * Adrenal Cortex | Degeneration | Cystic, Mild |
| | Vacuolization Cytoplasmic | Mild |
| * Clitoral Gland | Carcinoma | |
| | Inflammation | Suppurative, Marked |
| [Carcinoma TGLs = 1-7B] | | |
| * Harderian Gland | Infiltration Cellular | Lymphocyte, Mild |
| * Heart | Cardiomyopathy | Mild |
| * Kidney | Mineralization | Minimal |
| | Nephropathy | Moderate |
| * Liver | Basophilic Focus | Multiple |
| | Hematopoietic Cell Proliferation | Minimal |
| | Inflammation | Chronic Active, Moderate |
| | Vacuolization Cytoplasmic | Mild |
| [Basophilic Focus TGLs = 5-3] | | |
| * Lymph Node, Mandibular | Infiltration Cellular | Plasma Cell, Moderate |
| * Lymph Node, Mesenteric | Hyperplasia | Lymphoid, Mild |
| * Mammary Gland | Fibroadenoma | |
| | Lactation | Mild |
| Note: TGL 2 - Noted grossly as Mammary gland was Skin | | |
| [Fibroadenoma TGLs = 6-2B] | | |
| * Ovary | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1732

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801732

ORGAN AND ACCOUNTABLE SITE STATUS

		Cyst	Marked
[Cyst TGLs = 3-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 4-9A]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLs = 2-2A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1741

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801741

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|--|----------------|---|---|
| * Brain, Brain Stem
[Compression TGLs = 6-1A] | | Compression | Mild |
| * Clitoral Gland | Acinus
Duct | Degeneration
Ectasia
Inflammation | Mild
Marked
Suppurative, Moderate |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization
Nephropathy | Minimal
Minimal |
| * Liver
[Basophilic Focus TGLs = 7-3]
[Mixed Cell Focus TGLs = 7-3] | | Basophilic Focus
Mixed Cell Focus | Multiple |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Moderate |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Mammary Gland
[Fibroadenoma TGLs = 1-2A]
[Galactocele TGLs = 2-2B] | | Fibroadenoma
Galactocele | Marked |
| Mesentery
[Necrosis TGLs = 3-17] | Fat | Necrosis | Marked |
| * Ovary | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1741

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801741

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 5-9A]			
* Skin	Epithelium	Hyperplasia	Mild
		Inflammation	Suppurative, Moderate
		Ulcer	Mild
[Hyperplasia TGLs = 4-2C]			
[Inflammation TGLs = 4-2C]			
[Ulcer TGLs = 4-2C]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Spleen		Pigmentation	Marked
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1742

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500801742

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Moderate
	Bilateral	Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLs = 7-9]		
* Bone Marrow		Leukemia Mononuclear	
* Brain, Brain Stem		Compression	Mild
	[Compression TGLs = 15-1A]		
* Clitoral Gland	Acinus	Degeneration	Moderate
	Duct	Ectasia	Mild
	[Ectasia TGLs = 1-7]		
* Heart		Leukemia Mononuclear	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Hepatocyte	Degeneration	Marked
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Marked
	[Degeneration TGLs = 16-3]		
	[Leukemia Mononuclear TGLs = 16-3]		
* Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
	[Infiltration Cellular TGLs = 13-4A]		
	[Leukemia Mononuclear TGLs = 13-4A]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1742	TRT#: 10	SEX: Female	DAY ON TEST: 737
	DOSE: CONTROL WATER	DISP: Terminal Sacrifice	HISTO: 021500801742

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Pancreatic	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-17]		
	[Leukemia Mononuclear TGLs = 10-17B]		
	[Leukemia Mononuclear TGLs = 11-17C]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 2,3-2A+2B]		
* Nose		Hyaline Droplet	Mild
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 14-9]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-9]		
* Thymus		Atrophy	Marked
	Note: TGL 12 - NCL		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	[Hyperplasia TGLs = 8-7A]		
Vagina	Lumen	Dilatation	Mild
	Mucocyte	Hyperplasia	Marked
	[Dilatation TGLs = 9-17A]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1861

TRT#: 8

SEX: Female

DAY ON TEST: 704

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801861

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Parathyroid Gland |
| * Salivary Glands | * Skeletal Muscle | * Spinal Cord, Cervical | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-----------------------------|---------------------------------|-----------------------|--------------------------|
| * Adrenal Cortex | | Adenoma | |
| * Bone Marrow | | Hyperplasia | Mild |
| * Clitoral Gland | Acinus | Degeneration | Moderate |
| | | Inflammation | Chronic Active, Moderate |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | [Basophilic Focus TGLs = 2-3] | | |
| * Lung | Alveolar Epith | Hyperplasia | Marked |
| | | Infiltration Cellular | Histiocyte, Marked |
| | [Hyperplasia TGLs = 3-4A] | | |
| * Mammary Gland | | Fibroadenoma | |
| | | Galactocele | Marked |
| | [Fibroadenoma TGLs = 1-2A] | | |
| | [Galactocele TGLs = 1-2A] | | |
| * Nose | Goblet Cell | Hyperplasia | Moderate |
| | | Inflammation | Suppurative, Moderate |
| * Ovary | | Atrophy | Mild |
| * Pancreas | Acinus | Degeneration | Minimal |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 4-9A] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1861

TRT#: 8

SEX: Female

DAY ON TEST: 704

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801861

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Cyst Epithelial Inclusion	
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Marked
* Uterus	Bilateral	Polyp Stromal	
[Polyp Stromal TGLs = 5,6-7A+7B]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1862

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801862

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|--------------------------|---|-----------------------|----------------------|
| * Clitoral Gland | | Adenoma | |
| | Acinus | Degeneration | Mild |
| | [Adenoma TGLs = 3-7] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Angiectasis | Marked |
| | | Basophilic Focus | Multiple |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | | Inflammation | Chronic Active, Mild |
| | | Leukemia Mononuclear | |
| | | Necrosis | Marked |
| | Note: TGL 7 - NCL | | |
| | Note: TGL 9 - NCL | | |
| | Note: TGL 10 - NCL | | |
| | [Necrosis TGLs = 6-3A] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Renal, Sinus | Dilatation | Mild |
| | [Dilatation TGLs = 8-17] | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| | [Infiltration Cellular TGLs = 1-10+10A] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1862

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801862

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 2,4-2A+2B]		
* Nose		Hyaline Droplet	Moderate
* Ovary		Atrophy	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spleen		Leukemia Mononuclear	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	
	[Hyperplasia TGLs = 5-7A]		
	[Polyp Stromal TGLs = 5-7A]		

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1871

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801871

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|--------------------------|---|-----------------------|-------------------|
| * Clitoral Gland | | Carcinoma | |
| | Duct | Ectasia | Marked |
| | Epithelium | Hyperplasia | Marked |
| | | Inflammation | Suppurative, Mild |
| | [Carcinoma TGLs = 5-7] | | |
| | [Ectasia TGLs = 6-7] | | |
| | [Inflammation TGLs = 6-7] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | | Mixed Cell Focus | Multiple |
| | Note: TGL 13 - NCL | | |
| | Note: TGL 14 - NCL | | |
| | Note: TGL 15 - NCL | | |
| | [Mixed Cell Focus TGLs = 11,12-3A+3B] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Mild |
| | [Infiltration Cellular TGLs = 10-4A] | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Mammary Gland | | Fibroadenoma | Multiple |
| | | Galactocele | Marked |
| | [Fibroadenoma TGLs = 1,2,3,4-2A+2B+2C+2D] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1871

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801871

ORGAN AND ACCOUNTABLE SITE STATUS

[Galactocoele TGLs = 16-2F]			
Oral Mucosa	Epithelium	Hyperplasia	Mild
* Ovary		Atrophy	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 8-9]			
* Skin		Ulcer	Mild
[Ulcer TGLs = 9-2E]			
* Spinal Cord, Cervical	Nerve	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Sarcoma Stromal	
[Sarcoma Stromal TGLs = 7-7A]			

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1872

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801872

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|---------------------|---------------------------------------|-------------------------|----------------------|
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Brain, Brain Stem | | Compression | Mild |
| | [Compression TGLs = 11-1A] | | |
| * Brain, Cerebrum | | Gliosis | Moderate |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Mild |
| | | Inflammation | Chronic Active, Mild |
| | | Leukemia Mononuclear | |
| Note: TGL 6 - NCL | | | |
| Note: TGL 7 - NCL | | | |
| Note: TGL 8 - NCL | | | |
| Note: TGL 10 - NCL | | | |
| Note: TGL 9 - NCL | | | |
| * Lung | Alveolar Epith | Hyperplasia | Moderate |
| | | Infiltration Cellular | Histiocyte, Marked |
| Note: TGL 4 - NCL | | | |
| | [Infiltration Cellular TGLs = 3-4A] | | |
| * Mammary Gland | | Fibroadenoma | Multiple |
| | | Galactocele | Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1872

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801872

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLs = 1,2-2A+2B]			
[Galactocele TGLs = 1-2A]			
* Ovary		Atrophy	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 5-9A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1881

TRT#: 8

SEX: Female

DAY ON TEST: 549

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801881

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Cerebellum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|-----------------------|------------------------------|-----------------------|-----------------------|
| * Brain, Brain Stem | | Compression | Marked |
| | | Hemorrhage | Marked |
| | [Compression TGLs = 2-1] | | |
| * Brain, Cerebrum | Ventricle | Hemorrhage | Marked |
| * Clitoral Gland | Acinus | Degeneration | Moderate |
| | | Inflammation | Suppurative, Moderate |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| * Mammary Gland | | Fibroadenoma | |
| | | Galactocele | Marked |
| | [Fibroadenoma TGLs = 1-2A] | | |
| | [Galactocele TGLs = 1-2A] | | |
| * Ovary | | Atrophy | Moderate |
| * Pancreas | Acinus | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 3-9A] | | |
| * Spinal Cord, Lumbar | Nerve | Degeneration | Minimal |
| * Spleen | | Pigmentation | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1881

TRT#: 8

SEX: Female

DAY ON TEST: 549

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801881

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1882

TRT#: 8

SEX: Female

DAY ON TEST: 514

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801882

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------|---|----------------------------------|-------------------------|
| * Adrenal Cortex | | Cyst | Mild |
| * Bone Marrow | | Hyperplasia | Mild |
| * Clitoral Gland | | Carcinoma | |
| | [Carcinoma TGLs = 1-7B] | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Hematopoietic Cell Proliferation | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| * Ovary | | Atrophy | Moderate |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 3-9A] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Marked |
| | [Hematopoietic Cell Proliferation TGLs = 2-9] | | |
| * Thymus | | Atrophy | Marked |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |
| * Uterus | | Polyp Stromal | |

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1891

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 0.175 GLYCID

DISP: Natural Death

HISTO: 021500801891

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Esophagus	* Harderian Gland
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
--------------------------	--------------------------	---------------------------	--------------------------

OBSERVATIONS

* Brain, Brain Stem		Compression	Mild
		Hemorrhage	Mild
* Brain, Cerebrum		Gliosis	Mild
		Hemorrhage	Mild
* Clitoral Gland	Duct	Ectasia	Moderate
		Inflammation	Suppurative, Mild
	[Ectasia TGLs = 2-7]		
	[Inflammation TGLs = 2-7]		
* Eye	Bilateral	Cataract	Marked
	Retina	Degeneration	Marked
	[Cataract TGLs = 6-13]		
	[Degeneration TGLs = 6-13]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	

Note: TGL 8 - NCL

Note: TGL 10 - NCL

Note: TGL 12 - NCL

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1891

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 0.175 GLYCID

DISP: Natural Death

HISTO: 021500801891

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 13 - NCL

Note: TGL 9 - NCL

Note: TGL 11 - NCL

* Lung		Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 5-4A]		
* Lymph Node, Mandibular		Hemorrhage	Moderate
		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Plasma Cell, Moderate
	[Hemorrhage TGLs = 1-10+10A]		
	[Hyperplasia TGLs = 1-10+10A]		
	[Infiltration Cellular TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 3,4-2A+2B]		
* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 7-9]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic		Hemorrhage	Minimal
* Spleen		Congestion	Marked
		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked
* Uterus		Cyst	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1892

TRT#: 8

SEX: Female

DAY ON TEST: 555

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801892

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Ectasia	Marked
		Inflammation	Suppurative, Moderate
	[Ectasia TGLs = 2-7B]		
	[Inflammation TGLs = 2-7B]		
* Heart		Cardiomyopathy	Minimal
		Schwannoma Malignant	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Leukemia Mononuclear	
* Mammary Gland		Adenocarcinoma	
	[Adenocarcinoma TGLs = 1-2A]		
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Meninges	Fibrosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
		Leukemia Mononuclear	
	[Hematopoietic Cell Proliferation TGLs = 3-9]		
	[Leukemia Mononuclear TGLs = 3-9]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1892

TRT#: 8

SEX: Female

DAY ON TEST: 555

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801892

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel C Cell	Adenoma Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Adenocarcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1901

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801901

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--|-----------|--|-------------------------------|
| * Adren Cortex | | | |
| Note: TGL 3 - NCL | | | |
| * Adren Medulla | | | |
| Note: TGL 3 - NCL | | | |
| * Clitoral Gland | Duct | Carcinoma
Ectasia
Inflammation | Marked
Suppurative, Marked |
| Note: WT requested for TGL 1 located on slide 7B | | | |
| [Carcinoma TGLs = 1-7B] | | | |
| [Ectasia TGLs = 1-7B] | | | |
| [Inflammation TGLs = 1-7B] | | | |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus
Degeneration
Eosinophilic Focus | Multiple
Cystic, Moderate |
| | Bile Duct | Hyperplasia
Mixed Cell Focus
Vacuolization Cytoplasmic | Mild
Moderate |
| Note: TGL 4 - NCL | | | |
| * Lung | | Infiltration Cellular | Histiocyte, Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1901

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801901

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLs = 8-4A]			
Lymph Node	Lumbar	Hyperplasia	Lymphoid, Mild
	Renal	Infiltration Cellular	Histiocyte, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Mild
	Pancreatic	Infiltration Cellular	Histiocyte, Moderate
[Hyperplasia TGLs = 7-17B]			
[Infiltration Cellular TGLs = 6-17A]			
[Infiltration Cellular TGLs = 7-17B]			
[Infiltration Cellular TGLs = 5-17]			
* Mammary Gland		Fibroadenoma	Multiple
Note: Also located on slides 7 and 7B			
Mesentery			
Note: TGL 5 - Noted grossly as Mesentery was Lymph node, pancreatic			
* Ovary		Atrophy	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Cyst	Marked
	Lumen	Dilatation	Marked
[Cyst TGLs = 2-7A]			
[Dilatation TGLs = 2-7A]			

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1902

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801902

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Clitoral Gland		Adenoma	
	[Adenoma TGLs = 1-7]		
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Deformity	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
Note: TGL 4 - NCL			
	[Basophilic Focus TGLs = 6-3]		
	[Deformity TGLs = 5-3B]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Marked
	[Fibroadenoma TGLs = 2,8-2A+2B]		
	[Galactocele TGLs = 2-2A]		
* Ovary		Atrophy	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-9A]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1902

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801902

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Uterus	Lumen	Dilatation	Mild

[Dilatation TGLs = 7-7A]

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1961

TRT#: 7

SEX: Female

DAY ON TEST: 716

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mesenteric | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---|-------------------|-----------------------|-----------------------|
| * Adrenal Cortex
[Angiectasis TGLs = 5-9] | | Angiectasis | Moderate |
| * Bone, Femur | | Osteopetrosis | Marked |
| * Clitoral Gland | | Inflammation | Suppurative, Minimal |
| * Esophagus
[Dilatation TGLs = 7-6A] | Lumen | Dilatation | Moderate |
| * Eye | Bilateral, Retina | Degeneration | Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | | Degeneration | Cystic, Minimal |
| | Bile Duct | Hyperplasia | Mild |
| [Basophilic Focus TGLs = 4-3] | | | |
| * Lung | | Infiltration Cellular | Histiocyte, Mild |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Moderate |
| * Mammary Gland
[Fibroadenoma TGLs = 1-2A] | | Fibroadenoma | |
| * Nose | | Foreign Body | |
| | Goblet Cell | Hyperplasia | Moderate |
| | | Inflammation | Suppurative, Moderate |
| * Ovary | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1961

TRT#: 7

SEX: Female

DAY ON TEST: 716

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801961

ORGAN AND ACCOUNTABLE SITE STATUS

* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Intermed	Cyst	Mild
	Pars Distalis	Hyperplasia	Moderate
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLs = 3-9]		
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Adenoma	
	[Adenoma TGLs = 6-6]		
* Uterus	Cervix	Fibrosis	Marked
	[Fibrosis TGLs = 2-7B]		

PRIMARY CAUSE OF DEATH - UNCERTAIN

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1962

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Deformity	
		Mixed Cell Focus	Multiple
Note: TGL 7 - NCL			
Note: TGL 10 - NCL			
Note: TGL 11 - NCL			
Note: TGL 8 - NCL			
[Deformity TGLs = 9-3C]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLs = 6-4A]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Marked
[Fibroadenoma TGLs = 1,2,12-2A+2B+2C]			
[Galactocele TGLs = 1,2-2A+2B]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLs = 4-17]			
* Nose		Hyaline Droplet	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1962

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801962

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary	Goblet Cell	Hyperplasia	Moderate
* Peripheral Nerve, Sciatic	Axon	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Degeneration	Minimal
[Adenoma TGLs = 5-9A]		Adenoma	
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Cyst	Marked
[Cyst TGLs = 3-7A]			

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1971

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Clitoral Gland		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 1-7]		
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
	Note: TGL 5 - NCL		
	Note: TGL 6 - NCL		
* Lung		Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 3-4A]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 2-2A]		
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4-9A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1971

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801971

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

* Uterus

Polyp Stromal

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1972

TRT#: 7

SEX: Female

DAY ON TEST: 365

DOSE: 0.35 GLYCID

DISP: Natural Death

HISTO: 021500801972

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland
* Esophagus	* Harderian Gland	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Trachea			

MISSING

* Pituitary Gland

AUTO PRECLUDES DIAG.

* Bone Marrow	* Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Urinary Bladder		

OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Liver	Basophilic Focus Inflammation	Chronic Active, Minimal
Note: TGL 4 - NCL Note: TGL 5 - NCL		
* Lung [Infiltration Cellular TGLs = 3-4]	Infiltration Cellular	Histiocyte, Minimal
* Ovary Note: TGL 1 - NCL	Atrophy	Mild
* Pituitary GI Note: WT attempted		
* Spleen	Pigmentation	Mild
* Uterus [Sarcoma Stromal TGLs = 2-7A+7B+7C+7D]	Sarcoma Stromal	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1972

TRT#: 7

SEX: Female

DAY ON TEST: 365

DOSE: 0.35 GLYCID

DISP: Natural Death

HISTO: 021500801972

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Uterus Sarcoma Stromal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1981

TRT#: 7

SEX: Female

DAY ON TEST: 718

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Thoracic | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | | |
|---|--|-----------------------------------|---------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | |
| * Clitoral Gland | Duct | Ectasia | Marked |
| | | Inflammation | Suppurative, Marked |
| | [Ectasia TGLs = 1-7] | | |
| | [Inflammation TGLs = 1-7] | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Int Sm Duoden | | | |
| Note: TGL 14 - NCL | | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Mild |
| Note: TGL 8 - NCL | | | |
| Note: TGL 9 - NCL | | | |
| Note: TGL 10 - NCL | | | |
| Note: TGL 11 - NCL | | | |
| Note: TGL 12 - NCL | | | |
| | [Basophilic Focus TGLs = 5-3] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Mild |
| Note: TGL 6 and 7 also located on slide 4 with the routine Lung section | | | |
| | [Infiltration Cellular TGLs = 6,7-4A+4B+4] | | |
| * Mammary Gland | | Fibroadenoma | Multiple |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1981

TRT#: 7

SEX: Female

DAY ON TEST: 718

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801981

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLs = 2,3,4,13-2A+2B+2C+2D]

* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	Pars Intermed	Hyperplasia	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1982

TRT#: 7

SEX: Female

DAY ON TEST: 436

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Nose	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Thyroid Gland	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex	Lymphoma Malignant	
	Vacuolization Cytoplasmic	Moderate
* Brain, Cerebrum	Cyst	Marked
	Gliosis	Marked
	Hemorrhage	Marked
	[Cyst TGLs = 12-1A]	
	[Gliosis TGLs = 12-1A]	
	[Hemorrhage TGLs = 12-1A]	
* Clitoral Gland	Inflammation	Suppurative, Moderate
	[Inflammation TGLs = 9-7]	
* Intestine Large, Cecum	Lymphoma Malignant	
* Islets, Pancreatic	Lymphoma Malignant	
* Kidney	Lymphoma Malignant	
	Mineralization	Minimal
	Nephropathy	Moderate
	[Lymphoma Malignant TGLs = 4-8]	
	[Nephropathy TGLs = 4-8]	
* Liver	Infiltration Cellular	Lymphocyte, Mild
	Vacuolization Cytoplasmic	Moderate

Note: TGL 10 - NCL

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1982

TRT#: 7

SEX: Female

DAY ON TEST: 436

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801982

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Lymphoma Malignant	
Lymph Node	Pancreatic	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
		Lymphoma Malignant	
	[Lymphoma Malignant	TGLs = 7-17B]	
	[Lymphoma Malignant	TGLs = 11-17C]	
	[Lymphoma Malignant	TGLs = 8-17A]	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant	TGLs = 6-11]	
* Mammary Gland		Lactation	Moderate
Mesentery		Lymphoma Malignant	
	Fat	Necrosis	Marked
	Note: TGL 8 - Noted grossly as Mesentery was Lymph node, NOS		
	[Lymphoma Malignant	TGLs = 5-17]	
	[Necrosis	TGLs = 5-17]	
* Ovary		Atrophy	Moderate
	Bilateral	Cyst	Mild
* Pancreas		Lymphoma Malignant	
		Necrosis	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
* Salivary Glands		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
	Note: WT requested for TGL 2 located on slide 9B		
	[Lymphoma Malignant	TGLs = 1,2-9+9A+9B]	
* Stomach, Forestomach		Lymphoma Malignant	
* Stomach, Glandular		Lymphoma Malignant	
	[Lymphoma Malignant	TGLs = 13-12A]	
* Thymus		Lymphoma Malignant	
* Uterus		Lymphoma Malignant	
	[Lymphoma Malignant	TGLs = 3-7A]	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1982

TRT#: 7

SEX: Female

DAY ON TEST: 436

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801982

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1991

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Spinal Cord, Cervical	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Carcinoma	
	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
	[Carcinoma TGLs = 2-7]		
	[Ectasia TGLs = 2-7]		
	[Inflammation TGLs = 2-7]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
Note: TGL 7 - NCL			
* Lymph Node, Mandibular	Sinus	Dilatation	Marked
		Leukemia Mononuclear	
	[Dilatation TGLs = 3-10+10A]		
	[Leukemia Mononuclear TGLs = 3-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 4-2B]		
* Nose		Hyaline Droplet	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1991

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500801991

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa	Epithelium	Hyperplasia	Mild
* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 9-9A]			
* Skin	Epithelium	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
		Ulcer	Mild
[Hyperplasia TGLs = 1-2A]			
[Inflammation TGLs = 1-2A]			
[Ulcer TGLs = 1-2A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 6-9]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLs = 8-6]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLs = 5-7A]			

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1992

TRT#: 7

SEX: Female

DAY ON TEST: 723

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500801992

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone, Femur | * Brain, Cerebellum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lung | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|----------------------|---|-------------------------|----------|
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Bone Marrow | | Atrophy | Marked |
| * Brain, Brain Stem | | Compression | Mild |
| | [Compression TGLs = 6-1A] | | |
| * Brain, Cerebrum | | Gliosis | Mild |
| * Clitoral Gland | Acinus | Degeneration | Moderate |
| | Duct | Ectasia | Moderate |
| | Note: TGL 1 - Noted grossly as Clitoral gland was Mammary gland | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Cyst | Marked |
| | | Infarct | Marked |
| | | Mineralization | Minimal |
| | | Nephropathy | Moderate |
| | [Cyst TGLs = 4-8A] | | |
| | [Infarct TGLs = 4-8A] | | |
| * Liver | | Basophilic Focus | Multiple |
| | | Eosinophilic Focus | Multiple |
| | | Mixed Cell Focus | Multiple |
| | Note: TGL 9 - NCL | | |
| | Note: TGL 10 - NCL | | |
| | [Basophilic Focus TGLs = 8-3] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1992	TRT#: 7	SEX: Female	DAY ON TEST: 723
	DOSE: 0.35 GLYCID	DISP: Moribund Sacrifice	HISTO: 021500801992

ORGAN AND ACCOUNTABLE SITE STATUS

[Mixed Cell Focus TGLs = 8-3]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Marked
[Fibroadenoma TGLs = 1,2,3-7+2A+2B]			
[Galactocele TGLs = 2-2A]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLs = 5-17]			
* Ovary		Atrophy	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 7-9A]			
* Spinal Cord, Cervical		Gliosis	Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
	Meninges	Fibrosis	Mild
	Meninges	Infiltration Cellular	Histiocyte, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Cyst	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2001

TRT#: 7

SEX: Female

DAY ON TEST: 697

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Blood Vessel | * Bone, Femur | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose |
| * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--------------------------|--|---|-----------------------|
| * Adrenal Cortex | | Leukemia Mononuclear
Vacuolization Cytoplasmic | Marked |
| | [Leukemia Mononuclear TGLs = 8-9] | | |
| | [Vacuolization Cytoplasmic TGLs = 8-9] | | |
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Brain Stem | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 14-1A] | | |
| * Brain, Cerebellum | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 18-1B] | | |
| * Brain, Cerebrum | | Leukemia Mononuclear | |
| * Clitoral Gland | Acinus | Degeneration | Moderate |
| | Duct | Ectasia | Marked |
| | | Inflammation | Suppurative, Moderate |
| | | Leukemia Mononuclear | |
| | [Degeneration TGLs = 3-7] | | |
| | [Ectasia TGLs = 3-7] | | |
| | [Inflammation TGLs = 3-7] | | |
| | [Leukemia Mononuclear TGLs = 3-7] | | |
| * Heart | | Leukemia Mononuclear | |
| * Intestine Large, Cecum | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Mineralization | Minimal |
| * Liver | Hepatocyte | Degeneration | Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2001

TRT#: 7

SEX: Female

DAY ON TEST: 697

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802001

ORGAN AND ACCOUNTABLE SITE STATUS

	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Marked
	[Leukemia Mononuclear TGLs = 12-3]		
	[Vacuolization Cytoplasmic TGLs = 12-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 9-17]		
	[Leukemia Mononuclear TGLs = 10-17A]		
	[Leukemia Mononuclear TGLs = 11-17B]		
	[Leukemia Mononuclear TGLs = 13-17C]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 16-11]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,19-2A+2B]		
* Ovary		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-7]		
* Pancreas		Leukemia Mononuclear	
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLs = 15-9B]		
	[Leukemia Mononuclear TGLs = 15-9B]		
* Spinal Cord, Cervical		Leukemia Mononuclear	
* Spinal Cord, Lumbar		Leukemia Mononuclear	
* Spinal Cord, Thoracic		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2001

TRT#: 7

SEX: Female

DAY ON TEST: 697

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802001

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Leukemia Mononuclear Necrosis	Marked
[Leukemia Mononuclear TGLs = 4-9]		
[Necrosis TGLs = 5-9A]		
* Stomach, Forestomach	Ulcer	Marked
[Ulcer TGLs = 17-12A]		
* Thymus	Leukemia Mononuclear	
* Thyroid Gland	Leukemia Mononuclear	
* Uterus	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 7-7A]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2002

TRT#: 7

SEX: Female

DAY ON TEST: 556

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802002

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Brain, Brain Stem | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Mammary Gland |
| * Nose | * Parathyroid Gland | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach |
| * Trachea | | | |

OBSERVATIONS

- | | | | |
|--------------------------|--|----------------------|--------|
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Blood Vessel | | Leukemia Mononuclear | |
| * Bone, Femur | | Osteopetrosis | Marked |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Cerebellum | | Leukemia Mononuclear | |
| * Brain, Cerebrum | | Leukemia Mononuclear | |
| * Clitoral Gland | | Leukemia Mononuclear | |
| * Heart | | Leukemia Mononuclear | |
| * Islets, Pancreatic | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Mineralization | Mild |
| | [Leukemia Mononuclear TGLs = 10-8] | | |
| | [Mineralization TGLs = 10-8] | | |
| * Liver | | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 12,13,14,15,16,17-4A+4B+4C+4D+4E+4] | | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | Lumbar | Leukemia Mononuclear | |
| | Axillary | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 8-17A] | | |
| | [Leukemia Mononuclear TGLs = 19-17B] | | |
| | [Leukemia Mononuclear TGLs = 2-17] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2002

TRT#: 7

SEX: Female

DAY ON TEST: 556

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802002

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear	TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 21-11]		
* Ovary		Cyst	Marked
		Leukemia Mononuclear	
[Cyst	TGLs = 5-7C]		
[Leukemia Mononuclear	TGLs = 6-7]		
* Pancreas		Leukemia Mononuclear	
		Necrosis	Marked
[Leukemia Mononuclear	TGLs = 7-10]		
[Necrosis	TGLs = 7-10]		
* Peripheral Nerve, Sciatic		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 20-9A]		
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 9-9]		
* Stomach, Glandular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 22-12]		
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 11-10B]		
* Thyroid Gland		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 18-6]		
* Urinary Bladder		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 3-8]		
* Uterus		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 4-7B]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2011

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Clitoral Gland	Duct	Adenoma Ectasia Squamous Cell Carcinoma	Moderate
	[Adenoma TGLs = 1-7] [Ectasia TGLs = 1-7] [Squamous Cell Carcinoma TGLs = 2-7B]		
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization Nephropathy	Minimal Moderate
* Liver		Basophilic Focus Deformity	Multiple
	Bile Duct	Hyperplasia Inflammation Leukemia Mononuclear	Moderate Chronic Active, Mild
	[Deformity TGLs = 4-3A] [Leukemia Mononuclear TGLs = 3-3]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia Lactation	Moderate Mild
* Ovary		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2011

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802011

ORGAN AND ACCOUNTABLE SITE STATUS

* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 5-9A]			
* Skin		Basal Cell Carcinoma	
[Basal Cell Carcinoma TGLs = 6-2A]			
* Spleen		Leukemia Mononuclear	
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2012

TRT#: 10

SEX: Female

DAY ON TEST: 628

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500802012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebrum
* Esophagus	* Harderian Gland	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Thyroid Gland	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	

OBSERVATIONS

* Adrenal Cortex Note: TGL 11 - NCL		Vacuolization Cytoplasmic	Marked
* Adren Medulla Note: TGL 11 - NCL			
* Blood Vessel		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain, Cerebellum		Leukemia Mononuclear	
* Clitoral Gland	Duct	Ectasia Inflammation Leukemia Mononuclear	Marked Suppurative, Marked
	[Ectasia TGLs = 1,2-7]		
	[Inflammation TGLs = 1-7]		
	[Leukemia Mononuclear TGLs = 2-7]		
* Heart		Cardiomyopathy Leukemia Mononuclear	Mild
* Kidney		Leukemia Mononuclear Mineralization Nephropathy	Moderate Mild
* Liver	Hepatocyte Bile Duct	Degeneration Hyperplasia Leukemia Mononuclear	Marked Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2012

TRT#: 10

SEX: Female

DAY ON TEST: 628

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500802012

ORGAN AND ACCOUNTABLE SITE STATUS

Vacuolization Cytoplasmic

Marked

[Hyperplasia TGLs = 7-3]

[Leukemia Mononuclear TGLs = 7-3]

[Vacuolization Cytoplasmic TGLs = 7-3]

* Lung

Leukemia Mononuclear

Lymph Node

Pancreatic

Leukemia Mononuclear

Mediastinal

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 6-17]

[Leukemia Mononuclear TGLs = 8-17A]

* Lymph Node, Mandibular

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 3-10+10A]

* Lymph Node, Mesenteric

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 10-11]

* Mammary Gland

Lactation

Moderate

* Ovary

Atrophy

Marked

Leukemia Mononuclear

* Pancreas

Leukemia Mononuclear

* Pituitary Gland

Leukemia Mononuclear

* Salivary Glands

Leukemia Mononuclear

* Spinal Cord, Lumbar

Nerve

Degeneration

Minimal

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 5-9]

* Stomach, Forestomach

Epithelium

Hyperplasia

Mild

* Stomach, Glandular

Necrosis

Marked

Pigmentation

Marked

[Necrosis TGLs = 12-12A]

[Pigmentation TGLs = 12-12A]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 9-10]

* Uterus

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 4-7A]

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2012

TRT#: 10

SEX: Female

DAY ON TEST: 628

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500802012

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2021

TRT#: 10

SEX: Female

DAY ON TEST: 573

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500802021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|----------------------------|--------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Nose | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|--------------------------|---|--|-------------------------------|
| * Adrenal Cortex | | Hypertrophy
Vacuolization Cytoplasmic | Minimal
Mild |
| * Clitoral Gland | Duct | Ectasia
Inflammation | Mild
Suppurative, Moderate |
| | [Ectasia TGLs = 1-7]
[Inflammation TGLs = 1-7] | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Intestine Small, Ileum | | Infiltration Cellular
Pigmentation | Lymphocyte, Mild
Mild |
| | [Infiltration Cellular TGLs = 8-12]
[Pigmentation TGLs = 8-12] | | |
| * Kidney | | Hyaline Droplet
Mineralization | Moderate
Minimal |
| * Liver | Hepatocyte | Nephropathy
Degeneration
Leukemia Mononuclear
Vacuolization Cytoplasmic | Mild
Marked
Marked |
| | [Degeneration TGLs = 5-3]
[Leukemia Mononuclear TGLs = 5-3] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2021

TRT#: 10

SEX: Female

DAY ON TEST: 573

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500802021

ORGAN AND ACCOUNTABLE SITE STATUS

[Vacuolization Cytoplasmic TGLs = 5-3]
 * Lymph Node, Mandibular Hyperplasia Lymphoid, Mild
 * Lymph Node, Mesenteric Hyperplasia Lymphoid, Mild
 [Hyperplasia TGLs = 7-11]
 * Mammary Gland Lactation Mild
 * Ovary Atrophy Moderate
 * Peripheral Nerve, Sciatic Axon Degeneration Minimal
 * Pituitary Gland Pars Distalis Adenoma
 Pars Distalis Cyst Marked
 [Adenoma TGLs = 6-9]
 [Cyst TGLs = 6-9]
 * Spleen Leukemia Mononuclear
 Necrosis Marked
 [Leukemia Mononuclear TGLs = 3-9]
 [Necrosis TGLs = 4-9A]
 * Thymus
 Note: WT attempted
 * Thyroid Gland C Cell Hyperplasia Minimal
 * Uterus Endometrium Hyperplasia Cystic, Mild
 Polyp Stromal
 Note: WT requested for Cervix and Uterus located on slide 7B
 [Hyperplasia TGLs = 2-7A]
 [Polyp Stromal TGLs = 2-7A+7B]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2022

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Mammary Gland | * Nose | * Parathyroid Gland | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Thoracic | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | | |
|-----------------------------|---------------|-----------------------|----------------------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | | Inflammation | Chronic Active, Mild |
| Note: TGL 1 - NCL | | | |
| Note: TGL 2 - NCL | | | |
| Note: TGL 3 - NCL | | | |
| Note: TGL 4 - NCL | | | |
| * Lung | | Hemorrhage | Moderate |
| | | Infiltration Cellular | Histiocyte, Minimal |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Ovary | | Atrophy | Mild |
| * Pancreas | Acinus | Degeneration | Mild |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Spinal Cord, Cervical | Nerve | Degeneration | Minimal |
| * Spinal Cord, Lumbar | Nerve | Degeneration | Minimal |
| * Spleen | | Pigmentation | Moderate |
| * Thymus | | Atrophy | Marked |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2031

TRT#: 10

SEX: Female

DAY ON TEST: 690

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500802031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Nose |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--|--------|---------------------------|---------------------|
| * Clitoral Gland
Note: TGL 3 - NCL | Acinus | Degeneration | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | | Eosinophilic Focus | |
| | | Granuloma | Moderate |
| | | Vacuolization Cytoplasmic | Mild |
| Note: TGL 7 - NCL | | | |
| Note: TGL 8 - NCL | | | |
| Note: TGL 9 - NCL | | | |
| Note: TGL 10 - NCL | | | |
| Note: TGL 11 - NCL | | | |
| * Lung
[Infiltration Cellular TGLs = 5-4] | | Infiltration Cellular | Histiocyte, Minimal |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Mammary Gland
[Fibroadenoma TGLs = 1,2-2A+2B] | | Fibroadenoma | Multiple |
| * Ovary | | Atrophy | Mild |
| | | Cyst | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2031

TRT#: 10

SEX: Female

DAY ON TEST: 690

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500802031

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLs = 4-7B]

* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLs = 6-9]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2032

TRT#: 10

SEX: Female

DAY ON TEST: 432

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500802032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|---------------------------|---------------|---------------------------|----------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| [Leukemia Mononuclear | TGLs = 3-9] | | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Clitoral Gland | Acinus | Degeneration | Moderate |
| | | Inflammation | Chronic Active, Mild |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Mineralization | Minimal |
| * Liver | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Moderate |
| [Leukemia Mononuclear | TGLs = 4-3] | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Mammary Gland | Alveolus | Hyperplasia | Mild |
| Note: Located on slide 17 | | | |
| * Ovary | | Atrophy | Mild |
| | | Leukemia Mononuclear | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| * Spleen | | Hemorrhage | Marked |
| | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2032

TRT#: 10

SEX: Female

DAY ON TEST: 432

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500802032

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLs = 2-9A]

[Leukemia Mononuclear TGLs = 5-9A]

* Thymus

Atrophy

Marked

* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

Vagina

Lumen

Dilatation

Marked

Note: WT requested for TGL 1 located on slide 17A

[Dilatation TGLs = 1-17A]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2041

TRT#: 10

SEX: Female

DAY ON TEST: 620

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500802041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------|------------------------|--------------------------|-------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Cerebellum | * Esophagus | * Harderian Gland |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Nose |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Stomach, Forestomach | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

AUTO PRECLUDES DIAG.

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Eye | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mesenteric |
| * Peripheral Nerve, Sciatic | * Spinal Cord, Cervical | * Spinal Cord, Thoracic | * Stomach, Glandular |

OBSERVATIONS

- | | | | |
|--|---------------|------------------|----------|
| * Brain, Brain Stem
[Compression TGLs = 1-1A] | | Compression | Moderate |
| * Brain, Cerebrum | Ventricle | Dilatation | Minimal |
| * Clitoral Gland | Acinus | Degeneration | Moderate |
| | Duct | Ectasia | Moderate |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| * Mammary Gland
[Fibroadenoma TGLs = 3-2A] | | Fibroadenoma | |
| * Ovary | | Atrophy | Moderate |
| * Pituitary Gland
[Adenoma TGLs = 2-9A] | Pars Distalis | Adenoma | |
| * Spinal Cord, Lumbar | Nerve | Degeneration | Minimal |
| * Spleen | | Pigmentation | Marked |
| * Thymus | | Atrophy | Marked |

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2042

TRT#: 10

SEX: Female

DAY ON TEST: 722

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500802042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Moderate
		Vacuolization Cytoplasmic	Minimal
Note: TGL 2 - NCL			
Note: TGL 4 located on slide 9A with TGL 2 not 9			
[Hemorrhage TGLs = 4-9A]			
* Adren Medulla			
Note: TGL 2 - NCL			
* Bone Marrow		Hyperplasia	Mild
* Eye	Bilateral, Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Marked
* Liver		Basophilic Focus	Multiple
		Mixed Cell Focus	
[Basophilic Focus TGLs = 3-3]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLs = 6-2A]			
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 5-9]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2042

TRT#: 10

SEX: Female

DAY ON TEST: 722

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500802042

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Sarcoma Stromal	

Note: TGL 1 located on slide 7B only

[Sarcoma Stromal TGLs = 1-7B]

PRIMARY CAUSE OF DEATH - Uterus Sarcoma Stromal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2101

TRT#: 6

SEX: Female

DAY ON TEST: 596

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Salivary Glands	* Skeletal Muscle	* Spinal Cord, Cervical	* Spinal Cord, Thoracic
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain, Brain Stem		Compression	Mild
	[Compression TGLs = 11-1A]		
* Clitoral Gland	Acinus	Degeneration	Moderate
	[Degeneration TGLs = 2-7]		
* Heart		Leukemia Mononuclear	
* Kidney		Mineralization Nephropathy	Minimal Mild
* Liver	Hepatocyte Bile Duct	Degeneration Hyperplasia Leukemia Mononuclear Vacuolization Cytoplasmic	Marked Marked Marked
	[Leukemia Mononuclear TGLs = 8-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Lumbar, Sinus Lumbar Pancreatic	Dilatation Leukemia Mononuclear Leukemia Mononuclear	Mild
	[Dilatation TGLs = 9-17]		
	[Leukemia Mononuclear TGLs = 9-17]		
	[Leukemia Mononuclear TGLs = 13-17A]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2101

TRT#: 6

SEX: Female

DAY ON TEST: 596

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802101

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 4-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma	TGLs = 3,15-2B+2C]		
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma	TGLs = 12-9A]		
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion	TGLs = 1-2A]		
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 5-9]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Stomach, Glandular		Necrosis	Moderate
[Necrosis	TGLs = 14-12A]		
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma	TGLs = 10-6]		
* Uterus		Cyst	Marked
[Cyst	TGLs = 6-7A]		
[Polyp Stromal	TGLs = 7-7B]	Polyp Stromal	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2102

TRT#: 6

SEX: Female

DAY ON TEST: 550

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Nose | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-----------------------------|-------------------------------------|--------------------------|----------|
| * Adrenal Medulla | | Pheochromocytoma Complex | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Clitoral Gland | | Carcinoma | |
| | [Carcinoma TGLs = 1-7B] | | |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | Multiple |
| | | Leukemia Mononuclear | |
| | [Basophilic Focus TGLs = 5-3] | | |
| | [Leukemia Mononuclear TGLs = 5-3] | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Mammary Gland | | Adenocarcinoma | |
| | | Fibroadenoma | Multiple |
| | [Adenocarcinoma TGLs = 2-2B] | | |
| | [Fibroadenoma TGLs = 2,7-2A+2B] | | |
| * Ovary | | Atrophy | Moderate |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Angiectasis | Minimal |
| | Pars Distalis | Hyperplasia | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2102

TRT#: 6

SEX: Female

DAY ON TEST: 550

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802102

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLs = 6-9A]			
[Hyperplasia TGLs = 6-9A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 3-9]			
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Polyp Stromal	
[Polyp Stromal TGLs = 4-7A]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2111

TRT#: 6

SEX: Female

DAY ON TEST: 404

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebrum | * Esophagus | * Eye |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Pituitary Gland | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|--------------------------|-------------|------------------------------|-----------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Brain, Cerebellum | | Hemorrhage | Minimal |
| * Clitoral Gland | | Inflammation | Suppurative, Moderate |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Minimal |
| * Liver | | Basophilic Focus | |
| | | Inflammation | Chronic Active, Mild |
| Lymph Node | Lumbar | Hyperplasia | Lymphoid, Mild |
| | Renal | Hyperplasia | Lymphoid, Mild |
| | | [Hyperplasia TGLs = 2-17] | |
| | | [Hyperplasia TGLs = 3-17A] | |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Mammary Gland | | Fibroadenoma | |
| | | [Fibroadenoma TGLs = 1-2A] | |
| * Ovary | | Atrophy | Moderate |
| * Spleen | | Pigmentation | Mild |
| * Thymus | | Atrophy | Mild |
| * Thyroid Gland | C Cell | Hyperplasia | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2112

TRT#: 6

SEX: Female

DAY ON TEST: 466

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Moderate
	[Leukemia Mononuclear TGLs = 4-9+9A]		
	[Vacuolization Cytoplasmic TGLs = 4-9+9A]		
* Adrenal Medulla		Leukemia Mononuclear Necrosis	Mild
	[Leukemia Mononuclear TGLs = 4-9+9A]		
	[Necrosis TGLs = 4-9+9A]		
* Bone Marrow		Hyperplasia	Mild
* Brain, Brain Stem		Leukemia Mononuclear	
* Brain, Cerebellum		Leukemia Mononuclear	
* Brain, Cerebrum		Leukemia Mononuclear	
* Clitoral Gland	Duct	Adenoma Ectasia Inflammation	Marked Suppurative, Marked
	[Adenoma TGLs = 2-7B]		
	[Ectasia TGLs = 1,2-7+7B]		
	[Inflammation TGLs = 1,2-7+7B]		
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear Mineralization Nephropathy	Minimal Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2112

TRT#: 6

SEX: Female

DAY ON TEST: 466

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802112

ORGAN AND ACCOUNTABLE SITE STATUS

* Liver		Leukemia Mononuclear Necrosis	Mild
	[Leukemia Mononuclear TGLs = 5-3]		
	[Necrosis TGLs = 5-3]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary GI			
	Note: Located on slide 7		
* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
		Leukemia Mononuclear	
* Spinal Cord, Thoracic		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-9A]		
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2121

TRT#: 6

SEX: Female

DAY ON TEST: 435

DOSE: 0.70 GLYCID

DISP: Natural Death

HISTO: 021500802121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Esophagus	* Mammary Gland
* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle	* Skin
Tongue	* Trachea	* Urinary Bladder	* Uterus

AUTO PRECLUDES DIAG.

* Bone Marrow	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose	* Peripheral Nerve, Sciatic
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Suppurative, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Ovary		Atrophy	Mild
		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
	Note: TGL 4 - Noted grossly as Pancreas was Lymph node, pancreatic		
* Pituitary Gland		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-9A]		
Tongue			

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2121

TRT#: 6

SEX: Female

DAY ON TEST: 435

DOSE: 0.70 GLYCID

DISP: Natural Death

HISTO: 021500802121

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 2 - NCL

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2122

TRT#: 6

SEX: Female

DAY ON TEST: 549

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Bilateral	Carcinoma	
	[Carcinoma TGLs = 1,2-7B+7]		
* Eye	Retina	Degeneration	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Hyaline Droplet	Marked
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Basophilic Focus TGLs = 4-3]		
	[Mixed Cell Focus TGLs = 4-3]		
* Mammary Gland		Lactation	Mild
Oral Mucosa		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 5-17]		
* Ovary		Atrophy	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2122

TRT#: 6

SEX: Female

DAY ON TEST: 549

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802122

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLs = 3-9]

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH - Clitoral Gland Bilateral Carcinoma

Animal Note: TGL 5 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2131

TRT#: 6

SEX: Female

DAY ON TEST: 375

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Carcinoma	
	[Carcinoma TGLs = 1-7A]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Hyaline Droplet	Moderate
		Mineralization	Mild
* Liver		Basophilic Focus	Multiple
* Lymph Node, Mandibular	Sinus	Dilatation	Mild
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-9]		
* Spleen		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLs = 2-9A]		
* Thymus		Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2132

TRT#: 6

SEX: Female

DAY ON TEST: 705

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebrum	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex Note: TGL 5 - NCL		Vacuolization Cytoplasmic	Moderate
* Adren Medulla Note: TGL 5 - NCL			
* Brain, Brain Stem [Compression TGLs = 6-1A]		Compression	Moderate
* Brain, Cerebellum		Astrocytoma Malignant	
* Clitoral Gland	Duct	Adenoma Ectasia Inflammation	Marked Suppurative, Marked
[Adenoma TGLs = 1-7]			
[Ectasia TGLs = 1-7]			
[Inflammation TGLs = 1-7]			
* Heart		Cardiomyopathy	Mild
* Int Sm Duoden Note: TGL 8 - NCL			
* Kidney		Nephropathy	Marked
* Liver [Vacuolization Cytoplasmic TGLs = 4-3]		Vacuolization Cytoplasmic	Marked
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland Note: Also located on slide 7		Fibroadenoma	Multiple

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2132

TRT#: 6

SEX: Female

DAY ON TEST: 705

DOSE: 0.70 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802132

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLs = 9,10-2A+2B]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 2-17]			
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 7-9A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Depletion Lymphoid	Moderate
		Pigmentation	Marked
* Stomach, Forestomach		Edema	Marked
		Inflammation	Chronic Active, Mild
		Squamous Cell Papilloma	
[Edema TGLs = 3-12A]			
[Inflammation TGLs = 3-12A]			
[Squamous Cell Papilloma TGLs = 3-12A]			
* Stomach, Glandular	Epithelium	Degeneration	Moderate
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2221

TRT#: 9

SEX: Female

DAY ON TEST: 693

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|-----------------------------|-----------|---------------------------|-------------------|
| * Brain, Brain Stem | | Compression | Moderate |
| [Compression TGLs = 7-1A] | | | |
| * Clitoral Gland | Duct | Ectasia | Marked |
| | | Inflammation | Suppurative, Mild |
| * Heart | | Cardiomyopathy | Mild |
| | Ventricle | Dilatation | Marked |
| | | Thrombosis | Marked |
| [Thrombosis TGLs = 6-2] | | | |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | | Necrosis | Marked |
| | | Pigmentation | Marked |
| | | Vacuolization Cytoplasmic | Moderate |

Note: TGL 9 - NCL

Note: TGL 10 - NCL

Note: TGL 11 - NCL

Note: TGL 12 - NCL

Note: TGL 13 - NCL

Note: TGL 2 also located on slides 3A, 3B, 3C, 3D and 3E with TGLs 9, 10, 11, 12, and 13 respectively

[Necrosis TGLs = 2-3+3A+3B+3C+3D+3E]

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2221

TRT#: 9

SEX: Female

DAY ON TEST: 693

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802221

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Pigmentation	Mild
Lymph Node	Mediastinal, Sinus	Dilatation	Mild
	Mediastinal	Pigmentation	Moderate
	[Dilatation TGLs = 5-17B]		
	[Pigmentation TGLs = 5-17B]		
* Lymph Node, Mandibular	Sinus	Dilatation	Moderate
* Lymph Node, Mesenteric		Erythrophagocytosis	Moderate
* Mammary Gland		Fibroadenoma	
	Note: Also located on slide 7		
	[Fibroadenoma TGLs = 14-2A]		
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLs = 1-17]		
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 8-9]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate
* Thymus		Atrophy	Marked
	Note: Located on slide 17B		
Tongue		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 4-17A]		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: TGL 3 - NST (Cavity, thoracic, fluid)

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2222

TRT#: 9

SEX: Female

DAY ON TEST: 670

DOSE: 0.0875 GLYCID

DISP: Natural Death

HISTO: 021500802222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mesenteric | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|---|-----------------------|----------------------|
| * Adrenal Cortex | | Angiectasis | Moderate |
| * Brain, Brain Stem | | Compression | Mild |
| | | Hemorrhage | Mild |
| | [Compression TGLs = 5-1A] | | |
| | [Hemorrhage TGLs = 5-1A] | | |
| * Brain, Cerebellum | | Hemorrhage | Mild |
| * Brain, Cerebrum | Ventricle | Dilatation | Mild |
| | | Hemorrhage | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | | Inflammation | Chronic Active, Mild |
| | | Mixed Cell Focus | |
| | | Pigmentation | Mild |
| | [Basophilic Focus TGLs = 2-3] | | |
| * Lymph Node, Mandibular | Sinus | Dilatation | Marked |
| | | Infiltration Cellular | Plasma Cell, Marked |
| | [Dilatation TGLs = 1-10+10A] | | |
| | [Infiltration Cellular TGLs = 1-10+10A] | | |
| * Mammary Gland | | Lactation | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2222

TRT#: 9

SEX: Female

DAY ON TEST: 670

DOSE: 0.0875 GLYCID

DISP: Natural Death

HISTO: 021500802222

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa		Squamous Cell Papilloma	
[Squamous Cell Papilloma	TGLs = 3-17]		
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma	TGLs = 4-9A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: TGL 3 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2231

TRT#: 9

SEX: Female

DAY ON TEST: 509

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | | |
|--------------------------|--|---------------------------|----------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Leukemia Mononuclear | |
| | | Mineralization | Minimal |
| | | Nephropathy | Moderate |
| * Liver | Hepatocyte | Degeneration | Moderate |
| | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Moderate |
| | [Leukemia Mononuclear TGLs = 5-3] | | |
| | [Vacuolization Cytoplasmic TGLs = 5-3] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 3-17] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 7-11] | | |
| * Mammary Gland | Alveolus | Hyperplasia | Mild |
| * Ovary | | Atrophy | Moderate |
| * Pituitary Gland | Pars Distalis | Cyst | Minimal |
| | [Cyst TGLs = 6-9A] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2231

TRT#: 9

SEX: Female

DAY ON TEST: 509

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802231

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Accessory Spleen
Leukemia Mononuclear

[Accessory Spleen TGLs = 2-9]

[Leukemia Mononuclear TGLs = 1-9]

* Stomach, Forestomach

Epithelium

Hyperplasia
Inflammation
Ulcer

Mild
Chronic Active, Moderate
Mild

[Hyperplasia TGLs = 4-12]

[Inflammation TGLs = 4-12]

[Ulcer TGLs = 4-12]

* Thymus

Atrophy
Dilatation
Inflammation

Moderate
Moderate
Suppurative, Moderate

Vagina

Lumen

[Dilatation TGLs = 8-17A]

[Inflammation TGLs = 8-17A]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2232

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500802232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|------------------|-------------------------------------|---------------------------|-------------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Clitoral Gland | Acinus | Degeneration | Moderate |
| | Duct | Ectasia | Marked |
| | | Inflammation | Chronic Active, Marked |
| | [Degeneration TGLs = 1,2-7+7B] | | |
| | [Ectasia TGLs = 1,2-7+7B] | | |
| | [Inflammation TGLs = 1,2-7+7B] | | |
| * Heart | | Cardiomyopathy | Minimal |
| | | Schwannoma Malignant | |
| | [Schwannoma Malignant TGLs = 9-2] | | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | Multiple |
| | | Deformity | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | Note: TGL 5 - NCL | | |
| | [Basophilic Focus TGLs = 6-3] | | |
| | [Deformity TGLs = 4-3A] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2232

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500802232

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLs = 7-4A]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLs = 3-2A]			
* Ovary		Atrophy	Moderate
* Parathyroid GI			
Note: RC attempted			
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Marked
[Adenoma TGLs = 8-9A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2241

TRT#: 9

SEX: Female

DAY ON TEST: 611

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Cortex | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | |

AUTO PRECLUDES DIAG.

- * Eye

OBSERVATIONS

- | | | | |
|-------------------|-----------|-------------------------------------|---------------------|
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Blood Vessel | | Leukemia Mononuclear | |
| * Bone, Femur | | Fibrous Osteodystrophy | Marked |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Clitoral Gland | Acinus | Degeneration | Marked |
| | Duct | Ectasia | Marked |
| | | Inflammation | Suppurative, Marked |
| | | Leukemia Mononuclear | |
| | | Necrosis | Marked |
| | | [Degeneration TGLs = 1-7] | |
| | | [Ectasia TGLs = 1-7] | |
| | | [Inflammation TGLs = 1-7] | |
| | | [Leukemia Mononuclear TGLs = 1-7] | |
| | | [Necrosis TGLs = 1-7] | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2241

TRT#: 9

SEX: Female

DAY ON TEST: 611

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802241

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear	TGLs = 6-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 4-17A]		
[Leukemia Mononuclear	TGLs = 3-17]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 5-11]		
* Mammary Gland		Lactation	Mild
* Nose		Hyaline Droplet	Mild
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis	TGLs = 2-9]		
[Leukemia Mononuclear	TGLs = 2-9]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Cyst	Moderate
		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2242

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500802242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Nose | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Thoracic | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|-----------------------------|-----------------------------------|------------------|--------------------------|
| * Clitoral Gland | Acinus | Degeneration | Marked |
| | Duct | Ectasia | Moderate |
| | | Inflammation | Chronic Active, Moderate |
| | [Degeneration TGLs = 1-7] | | |
| | [Ectasia TGLs = 1-7] | | |
| | [Inflammation TGLs = 1-7] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Mild |
| | | Mixed Cell Focus | |
| | [Basophilic Focus TGLs = 6-3] | | |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Mammary Gland | | Fibroadenoma | Multiple |
| | [Fibroadenoma TGLs = 2,7-2A+2B] | | |
| * Ovary | | Atrophy | Marked |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 5-9A] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2242

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500802242

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
Note: TGL 3 located on slide 17 with TGL 4 not 7A [Polyp Stromal TGLs = 3-17]			
Vagina	Lumen	Dilatation	Marked
Note: Uterine Stromal polyp extends into Vagina. [Dilatation TGLs = 4-17]			

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2251

TRT#: 9

SEX: Female

DAY ON TEST: 520

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland
* Esophagus	* Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Brain, Brain Stem [Compression TGLs = 2-1]		Compression	Marked
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	Multiple
		Vacuolization Cytoplasmic	Moderate
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
Mesentery [Necrosis TGLs = 1-17]	Fat	Necrosis	Moderate
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Degeneration	Minimal
* Pituitary Gland [Adenoma TGLs = 3-9A]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2251

TRT#: 9

SEX: Female

DAY ON TEST: 520

DOSE: 0.0875 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802251

ORGAN AND ACCOUNTABLE SITE STATUS

Inflammation

Chronic Active, Moderate

[Hyperplasia TGLs = 4-12A]

[Inflammation TGLs = 4-12A]

Atrophy

Moderate

* Thymus

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2252

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500802252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland	Duct	Adenoma Ectasia Inflammation	Mild Suppurative, Mild
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization Nephropathy	Minimal Marked
* Liver		Basophilic Focus	Multiple
	[Basophilic Focus TGLs = 6-3]		
* Lung		Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 7-4A]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 2-2A]		
* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4,5-9A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2252

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500802252

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Atrophy	Marked
[Adenoma TGLs = 3-6]		Adenoma	

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2311

TRT#: 7

SEX: Female

DAY ON TEST: 697

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle	* Spinal Cord, Cervical
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
	Duct	Ectasia	Marked
	[Adenoma TGLs = 1-7]		
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
	[Basophilic Focus TGLs = 8-3]		
	[Eosinophilic Focus TGLs = 8-3]		
	[Leukemia Mononuclear TGLs = 7-3]		
* Lung		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 2,3-2A+2B]		
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2311

TRT#: 7

SEX: Female

DAY ON TEST: 697

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802311

ORGAN AND ACCOUNTABLE SITE STATUS

<p>* Skin</p> <p>[Adenoma TGLs = 10-9B]</p>	<p>Epithelium</p>	<p>Hyperplasia Inflammation Ulcer</p>	<p>Mild Chronic Active, Minimal Moderate</p>
<p>* Spinal Cord, Lumbar</p> <p>* Spleen</p> <p>[Hyperplasia TGLs = 12-2D] [Inflammation TGLs = 12-2D] [Ulcer TGLs = 11-2C]</p>	<p>Nerve</p>	<p>Degeneration Fibrosis Hemorrhage Leukemia Mononuclear</p>	<p>Mild Moderate Marked</p>
<p>* Thymus</p> <p>* Thyroid Gland</p> <p>Note: TGL 9 - NCL</p>	<p>C Cell</p>	<p>Atrophy Hyperplasia</p>	<p>Marked Mild</p>
<p>* Uterus</p> <p>[Polyp Stromal TGLs = 6-7A]</p>		<p>Polyp Stromal</p>	

PRIMARY CAUSE OF DEATH - Clitoral Gland Adenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2312

TRT#: 7

SEX: Female

DAY ON TEST: 656

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Suppurative, Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLs = 6-3]			
Lymph Node	Lumbar, Sinus	Dilatation	Moderate
	Lumbar	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Dilatation TGLs = 7-17]			
[Hyperplasia TGLs = 7-17]			
[Infiltration Cellular TGLs = 7-17]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLs = 1,2-2A+2B]			
* Nose		Inflammation	Suppurative, Mild
* Ovary		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2312

TRT#: 7

SEX: Female

DAY ON TEST: 656

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802312

ORGAN AND ACCOUNTABLE SITE STATUS

* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland			
Note: TGL 8 - NCL			
Note: WT attempted			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation	TGLs = 3-9]		
* Thymus		Atrophy	Marked
* Uterus	Lumen	Dilatation	Marked
		Sarcoma	
Note: Osseous metaplasia			
[Dilatation TGLs = 5-7A]			
[Sarcoma TGLs = 4-7B]			

PRIMARY CAUSE OF DEATH - Uterus Sarcoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2321

TRT#: 7

SEX: Female

DAY ON TEST: 691

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Brain, Brain Stem		Compression	Mild
[Compression TGLs = 6-1A]			
* Clitoral Gland		Carcinoma	
[Carcinoma TGLs = 3-7]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Marked
[Fibroadenoma TGLs = 1,2-2A+2B]			
[Galactocele TGLs = 1-2A]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLs = 4-17]			
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Degeneration	Minimal
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 5-9A]			

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2321

TRT#: 7

SEX: Female

DAY ON TEST: 691

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802321

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2322

TRT#: 7

SEX: Female

DAY ON TEST: 628

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802322

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Clitoral Gland	Acinus	Degeneration	Moderate
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	Multiple
	[Basophilic Focus TGLs = 8-3]		
	[Mixed Cell Focus TGLs = 8-3]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Marked
	[Fibroadenoma TGLs = 1,2,3,4,9-2A+2B+2C+2D+2E]		
	[Galactocele TGLs = 3,4,9-2C+2D+2E]		
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Degeneration	Minimal
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 7-9]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2322

TRT#: 7

SEX: Female

DAY ON TEST: 628

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802322

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 5-7A]			
Vagina	Lumen	Dilatation	Moderate
[Dilatation TGLs = 6-17]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2331

TRT#: 7

SEX: Female

DAY ON TEST: 718

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802331

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle |
| * Spinal Cord, Cervical | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------|--|---------------------------|--------------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Clitoral Gland | | Adenoma | |
| | Duct | Carcinoma | |
| | | Ectasia | Marked |
| | | Inflammation | Suppurative, Marked |
| | [Adenoma TGLs = 2-7B] | | |
| | [Carcinoma TGLs = 1-7] | | |
| | [Ectasia TGLs = 2-7B] | | |
| | [Inflammation TGLs = 2-7B] | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | | Infiltration Cellular | Lymphocyte, Mild |
| | | Inflammation | Chronic Active, Moderate |
| | | Mixed Cell Focus | |
| * Lung | | Infiltration Cellular | Histiocyte, Mild |
| | [Infiltration Cellular TGLs = 10-4A] | | |
| Lymph Node | Pancreatic | Hyperplasia | Lymphoid, Mild |
| | Pancreatic | Infiltration Cellular | Histiocyte, Marked |
| | [Hyperplasia TGLs = 7-17] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2331

TRT#: 7

SEX: Female

DAY ON TEST: 718

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802331

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLs = 7-17]			
* Lymph Node, Mandibular		Hyperplasia Infiltration Cellular	Lymphoid, Moderate Plasma Cell, Moderate
[Hyperplasia TGLs = 5-10+10A]			
[Infiltration Cellular TGLs = 5-10+10A]			
* Lymph Node, Mesenteric		Hemorrhage Infiltration Cellular	Moderate Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLs = 3,4-2A+2B]			
* Nose		Hyaline Droplet	Moderate
* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 9-9]			
* Skin		Inflammation Ulcer	Chronic Active, Moderate Moderate
[Inflammation TGLs = 8-2C]			
[Ulcer TGLs = 8-2C]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLs = 6-9]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia Polyp Stromal	Cystic, Mild

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2332

TRT#: 7

SEX: Female

DAY ON TEST: 558

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802332

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--------------------------|---------------------------------------|----------------------|----------|
| * Bone Marrow | | Leukemia Mononuclear | |
| * Clitoral Gland | Acinus | Degeneration | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | Multiple |
| | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 4-3] | | |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 7-4] | | |
| Lymph Node | Lumbar | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 5-17A] | | |
| | [Leukemia Mononuclear TGLs = 6-17B] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | Note: TGL 1 located on slide 10A only | | |
| | [Leukemia Mononuclear TGLs = 1-10A] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Mammary Gland | Alveolus | Hyperplasia | Mild |
| Mesentery | Fat | Necrosis | Moderate |
| | [Necrosis TGLs = 2-17] | | |
| * Ovary | | Atrophy | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2332

TRT#: 7

SEX: Female

DAY ON TEST: 558

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802332

ORGAN AND ACCOUNTABLE SITE STATUS

* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLs = 8-9]			
* Spinal Cord, Lumbar		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 3-9A]			
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2341

TRT#: 7

SEX: Female

DAY ON TEST: 585

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Clitoral Gland	Duct	Ectasia Fibrosis	Moderate Marked
	[Ectasia TGLs = 1-7]		
	[Fibrosis TGLs = 1-7]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
	Note: TGL 7 - NCL		
	Note: TGL 8 also located on slide 3 with the routine Liver section		
	[Basophilic Focus TGLs = 8-3B+3]		
* Lymph Node, Mandibular	Sinus	Dilatation Infiltration Cellular	Moderate Plasma Cell, Marked
	[Dilatation TGLs = 2-10+10A]		
	[Infiltration Cellular TGLs = 2-10+10A]		
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 3-2A]		
Mesentery	Fat	Necrosis	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2341

TRT#: 7

SEX: Female

DAY ON TEST: 585

DOSE: 0.35 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802341

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLs = 6,10-17+17B]

* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Degeneration	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Marked
Note: TGL 5 - NCL			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLs = 9-17A]			
* Uterus	Lumen	Dilatation	Moderate
		Polyp Stromal	

[Dilatation TGLs = 4-7A]

[Polyp Stromal TGLs = 4-7A]

PRIMARY CAUSE OF DEATH - Tongue Squamous Cell Papilloma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2342

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500802342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--------------------------|--|---------------------------------------|------------------------------|
| * Clitoral Gland | Acinus | Degeneration
Infiltration Cellular | Moderate
Lymphocyte, Mild |
| | [Degeneration TGLs = 3-7] | | |
| | [Infiltration Cellular TGLs = 3-7] | | |
| * Harderian Gland | | Inflammation | Chronic Active, Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | | Hepatodiaphragmatic Nodule | |
| | | Inflammation | Chronic Active, Mild |
| | | Mixed Cell Focus | |
| | Note: TGL 9 - NCL | | |
| | Note: TGL 10 - NCL | | |
| | [Basophilic Focus TGLs = 6-3] | | |
| | [Hepatodiaphragmatic Nodule TGLs = 5-3A] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| | [Infiltration Cellular TGLs = 7-4A] | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Moderate |
| | [Infiltration Cellular TGLs = 2-10] | | |
| * Mammary Gland | | Fibroadenoma | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2342

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500802342

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLs = 1-2A]			
* Ovary		Atrophy	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 8-9A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Cyst	Moderate
		Polyp Stromal	
[Cyst TGLs = 4-7A]			
[Polyp Stromal TGLs = 4-7A]			

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2391

TRT#: 8

SEX: Female

DAY ON TEST: 691

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802391

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| Lymph Node | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | |
|--|-----------------------|-----------------------|
| * Adrenal Cortex | Angiectasis | Marked |
| * Bone Marrow | Hyperplasia | Mild |
| * Clitoral Gland | Carcinoma | |
| [Carcinoma TGLs = 1-7] | | |
| * Heart | Cardiomyopathy | Mild |
| * Intestine Large, Colon | Adenoma | |
| [Adenoma TGLs = 5-12A] | | |
| * Kidney | Nephropathy | Minimal |
| * Liver | Basophilic Focus | Multiple |
| | Inflammation | Chronic Active, Mild |
| [Basophilic Focus TGLs = 4-3A] | | |
| Lymph Node | | |
| Note: TGL 3 - NCL (Lymph node, pancreatic, normal) | | |
| * Lymph Node, Mandibular | Infiltration Cellular | Plasma Cell, Moderate |
| * Lymph Node, Mesenteric | Infiltration Cellular | Mast Cell, Mild |
| | Infiltration Cellular | Plasma Cell, Moderate |
| * Mammary Gland | Fibroadenoma | |
| Note: Also located on slide 7 | | |
| * Ovary | Atrophy | Mild |
| | Cyst | Marked |
| [Cyst TGLs = 2-7B] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2391

TRT#: 8

SEX: Female

DAY ON TEST: 691

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802391

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2392

TRT#: 8

SEX: Female

DAY ON TEST: 697

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Clitoral Gland	Duct	Ectasia	Marked
		Inflammation	Chronic Active, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Vacuolization Cytoplasmic	Moderate
	[Basophilic Focus TGLs = 4-3]		
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-2A]		
* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLs = 3-9]		
* Thymus		Atrophy	Marked
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2392

TRT#: 8

SEX: Female

DAY ON TEST: 697

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802392

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLs = 2-7A]

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2401

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500802401

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Clitoral Gland	Acinus	Adenoma Degeneration Inflammation	Moderate Chronic Active, Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	Multiple
Note: TGL 3 - NCL			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLs = 6-4A]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLs = 4-17]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLs = 1-2A]			
* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 5-9A]			
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2401

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500802401

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

[Hyperplasia TGLs = 2-7A]

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2402

TRT#: 8

SEX: Female

DAY ON TEST: 691

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802402

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|-----------------------------|--------|---------------------------|-------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Bone Marrow | | Hyperplasia | Mild |
| * Brain, Brain Stem | | Compression | Moderate |
| [Compression TGLs = 9-1A] | | | |
| * Clitoral Gland | Acinus | Degeneration | Mild |
| | Duct | Ectasia | Marked |
| | | Inflammation | Suppurative, Mild |
| [Degeneration TGLs = 1-7] | | | |
| [Ectasia TGLs = 1-7] | | | |
| [Inflammation TGLs = 1-7] | | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | Multiple |
| | | Mixed Cell Focus | Multiple |
| | | Vacuolization Cytoplasmic | Mild |
| Note: TGL 4 - NCL | | | |
| Note: TGL 5 - NCL | | | |
| Note: TGL 6 - NCL | | | |
| Note: TGL 7 - NCL | | | |
| Note: TGL 8 - NCL | | | |
| * Mammary Gland | | Fibroadenoma | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2402	TRT#: 8	SEX: Female	DAY ON TEST: 691
	DOSE: 0.175 GLYCID	DISP: Moribund Sacrifice	HISTO: 021500802402

ORGAN AND ACCOUNTABLE SITE STATUS

		Galactocele	Marked
	[Fibroadenoma TGLs = 2-2A]		
	[Galactocele TGLs = 2-2A]		
* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-9]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2411

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500802411

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Clitoral Gland | * Esophagus | * Eye | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|-----------------------------|------------------------------|-----------------------|----------------------|
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Mild |
| Note: TGL 5 - NCL | | | |
| Note: TGL 6 - NCL | | | |
| Note: TGL 7 - NCL | | | |
| Note: TGL 8 - NCL | | | |
| Note: TGL 9 - NCL | | | |
| * Mammary Gland | | Fibroadenoma | Multiple |
| [Fibroadenoma | TGLs = 1,2,3,4-2A+2B+2C+2D] | | |
| * Ovary | | Atrophy | Mild |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Marked |
| * Spinal Cord, Lumbar | Nerve | Degeneration | Minimal |
| * Spleen | | Pigmentation | Moderate |
| * Thymus | | Atrophy | Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2411

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500802411

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Follicular Cel

Hyperplasia

Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2412

TRT#: 8

SEX: Female

DAY ON TEST: 715

DOSE: 0.175 GLYCID

DISP: Moribund Sacrifice

HISTO: 021500802412

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Blood Vessel | * Bone, Femur | * Brain, Cerebellum | * Esophagus |
| * Eye | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Nose | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---------------------|-------------------------------------|---------------------------|-------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Brain Stem | | Compression | Marked |
| | [Compression TGLs = 11-1A] | | |
| * Brain, Cerebrum | Ventricle | Dilatation | Moderate |
| * Clitoral Gland | Duct | Ectasia | Moderate |
| | | Inflammation | Suppurative, Mild |
| | [Ectasia TGLs = 3-7] | | |
| | [Inflammation TGLs = 3-7] | | |
| * Harderian Gland | | Pigmentation | Mild |
| | [Pigmentation TGLs = 10-13] | | |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Moderate |
| * Liver | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | | Mixed Cell Focus | |
| | | Vacuolization Cytoplasmic | Marked |
| | [Leukemia Mononuclear TGLs = 8-3] | | |
| | [Mixed Cell Focus TGLs = 7-3A] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2412	TRT#: 8	SEX: Female	DAY ON TEST: 715
	DOSE: 0.175 GLYCID	DISP: Moribund Sacrifice	HISTO: 021500802412

ORGAN AND ACCOUNTABLE SITE STATUS

[Vacuolization Cytoplasmic TGLs = 8-3]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 9-17]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
		Leukemia Mononuclear	
[Infiltration Cellular TGLs = 4-10+10A]			
[Leukemia Mononuclear TGLs = 4-10+10A]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Marked
[Fibroadenoma TGLs = 1,2,5,13-2A+2B+2C+2E]			
[Galactocele TGLs = 5-2C]			
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Degeneration	Mild
		Leukemia Mononuclear	
* Parathyroid Gland		Hyperplasia	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 12-9A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 6-9]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2421

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500802421

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mesenteric | * Ovary | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--|---------------|------------------------------|----------------------|
| * Adrenal Cortex | | Degeneration
Pigmentation | Cystic, Mild
Mild |
| * Clitoral Gland | Duct | Ectasia | Marked |
| [Ectasia TGLs = 1-7] | | | |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Mineralization | Mild |
| | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | Multiple |
| | | Deformity | |
| | Bile Duct | Hyperplasia | Mild |
| Note: TGL 7 - NCL | | | |
| [Basophilic Focus TGLs = 9-3B] | | | |
| [Deformity TGLs = 8-3A] | | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| [Infiltration Cellular TGLs = 6-4A] | | | |
| * Lymph Node, Mandibular | | Hyperplasia | Lymphoid, Minimal |
| * Mammary Gland | | Fibroadenoma | Multiple |
| [Fibroadenoma TGLs = 2,3,4-2A+2B+2C] | | | |
| * Nose | Goblet Cell | Hyperplasia | Mild |
| * Pancreas | Acinus | Degeneration | Moderate |
| * Pituitary Gland | Pars Distalis | Adenoma | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2421

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500802421

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
		Gliosis	Mild
	Meninges	Infiltration Cellular	Lymphocyte, Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	

[Hyperplasia TGLs = 10-7A]

[Polyp Stromal TGLs = 5-7A]

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2422

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500802422

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-----------------------------|---|--|---|
| * Clitoral Gland | Acinus | Degeneration
Inflammation | Mild
Suppurative, Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Intestine Small, Duodenum | | Leiomyoma | |
| | [Leiomyoma TGLs = 5-12A] | | |
| * Kidney | | Mineralization
Nephropathy | Minimal
Mild |
| * Liver | Bile Duct | Basophilic Focus
Hyperplasia
Inflammation | Multiple
Mild
Chronic Active, Moderate |
| | [Basophilic Focus TGLs = 1-3] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Mild |
| | [Infiltration Cellular TGLs = 3-4A] | | |
| * Lymph Node, Mandibular | Sinus | Dilatation
Hyperplasia
Infiltration Cellular | Mild
Lymphoid, Moderate
Plasma Cell, Moderate |
| * Mammary Gland | | Lactation | Mild |
| Oral Mucosa | | Squamous Cell Papilloma | |
| | [Squamous Cell Papilloma TGLs = 2-17] | | |
| * Ovary | | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2422

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 GLYCID

DISP: Terminal Sacrifice

HISTO: 021500802422

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Nerve	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

[Polyp Stromal TGLs = 4-7A]

Animal Note: TGL 2 - Noted grossly as Cavity, oral was Oral mucosa

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2471

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802471

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Clitoral Gland	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Eye	Bilateral, Retina	Degeneration	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
	Note: TGL 7 - NCL		
	[Basophilic Focus TGLs = 3-3]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 4-4A]		
* Mammary Gland		Fibroadenoma	
	Note: TGL 2 - NCL		
	[Fibroadenoma TGLs = 1-2A]		
* Nose		Inflammation	Suppurative, Mild
* Ovary		Atrophy	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5-9A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2471

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802471

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Moderate
* Stomach, Forestomach		Fibrosis	Marked
		Inflammation	Chronic Active, Marked
	[Fibrosis TGLs = 6-12A]		
	[Inflammation TGLs = 6-12A]		
* Stom Gland			
	Note: TGL 6 - Noted grossly as Stomach, glandular was Stomach, forestomach		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2472

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802472

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---------------------------------|----------------|-----------------------|----------------------|
| * Clitoral Gland | Acinus | Degeneration | Moderate |
| * Eye | Retina | Degeneration | Marked |
| * Heart | | Cardiomyopathy | Mild |
| * Int Sm Duoden | | | |
| Note: TGL 6 - NCL | | | |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | Multiple |
| | | Inflammation | Chronic Active, Mild |
| | | Mixed Cell Focus | |
| Note: TGL 7 - NCL | | | |
| [Basophilic Focus TGLs = 3-3] | | | |
| * Lung | Alveolar Epith | Hyperplasia | Marked |
| | | Infiltration Cellular | Histiocyte, Moderate |
| Mesentery | Fat | Necrosis | Marked |
| [Necrosis TGLs = 5-17A] | | | |
| * Ovary | | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| [Hyperplasia TGLs = 4-9A] | | | |
| * Spinal Cord, Lumbar | Nerve | Degeneration | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2472

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802472

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
Note: TGL 2 - NCL			
[Polyp Stromal TGLs = 1-17]			
Vagina			
Note: TGL 1 - Noted grossly as Vagina was Uterus			

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2481

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802481

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Pituitary Gland

OBSERVATIONS

- | | | | |
|--|----------------------------------|---------------------------|----------------------|
| * Clitoral Gland | Acinus | Degeneration | Moderate |
| | Duct | Ectasia | Moderate |
| | | Inflammation | Suppurative, Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | Multiple |
| | | Inflammation | Chronic Active, Mild |
| | | Mixed Cell Focus | |
| | | Vacuolization Cytoplasmic | Moderate |
| | [Mixed Cell Focus TGLs = 2-3A] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Mild |
| * Mammary Gland | Alveolus | Hyperplasia | Moderate |
| * Ovary | | Atrophy | Moderate |
| * Pancreas | Acinus | Degeneration | Mild |
| * Pituitary GI | | | |
| Note: No RC/WT per pathologist (Pituitary gland missing at trim) | | | |
| * Spinal Cord, Lumbar | Nerve | Degeneration | Minimal |
| * Spleen | | Pigmentation | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2481

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802481

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

* Uterus

Lumen

Dilatation

Marked

[Dilatation TGLs = 1-7A]

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2482

TRT#: 10

SEX: Female

DAY ON TEST: 550

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500802482

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---|----------------|---|---|
| * Clitoral Gland | Epithelium | Hyperplasia
Infiltration Cellular | Marked
Lymphocyte, Mild |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Minimal |
| * Liver | | Nephropathy
Basophilic Focus
Eosinophilic Focus
Inflammation | Minimal
Multiple
Chronic Active, Mild |
| Note: TGL 3 - NCL
Note: TGL 2 - NCL | | | |
| * Lung | Alveolar Epith | Hyperplasia
Infiltration Cellular | Marked
Histiocyte, Minimal |
| [Hyperplasia TGLs = 5-4A]
[Infiltration Cellular TGLs = 4-4] | | | |
| * Mammary Gland | | Fibroadenoma | |
| [Fibroadenoma TGLs = 1-2A] | | | |
| * Ovary | | Atrophy | Mild |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Cyst | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2482

TRT#: 10

SEX: Female

DAY ON TEST: 550

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500802482

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Hyperplasia	Mild
[Cyst TGLs = 6-9]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2491

TRT#: 10

SEX: Female

DAY ON TEST: 544

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500802491

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|-----------------------------|
| * Blood Vessel | * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Mammary Gland | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|-------------------|--|---------------------------|---------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Clitoral Gland | | Leukemia Mononuclear | |
| * Eye | | Leukemia Mononuclear | |
| * Harderian Gland | | Leukemia Mononuclear | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Mineralization | Minimal |
| * Liver | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Marked |
| | [Leukemia Mononuclear TGLs = 4,12,13-3+3A+3B] | | |
| | [Vacuolization Cytoplasmic TGLs = 4,12,13-3+3A+3B] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Renal | Leukemia Mononuclear | |
| | Lumbar | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Axillary | Leukemia Mononuclear | |
| | Cervical | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 5-17A] | | |
| | [Leukemia Mononuclear TGLs = 6-17B] | | |
| | [Leukemia Mononuclear TGLs = 8-17C] | | |
| | [Leukemia Mononuclear TGLs = 2-17] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2491

TRT#: 10

SEX: Female

DAY ON TEST: 544

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500802491

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear	TGLs = 9-17D]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 11-11]		
* Nose		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
[Hyperplasia	TGLs = 10-9A]		
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 3-9]		
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 7-10B]		
* Thyroid Gland		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2492

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802492

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Thymus

OBSERVATIONS

* Brain, Brain Stem		Compression	Minimal
[Compression TGLs = 3-1]			
* Brain, Cerebrum		Gliosis	Minimal
* Clitoral Gland	Duct	Ectasia	Marked
		Inflammation	Suppurative, Marked
[Ectasia TGLs = 1-7]			
[Inflammation TGLs = 1-7]			
* Eye	Retina	Degeneration	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Marked
* Liver		Basophilic Focus	Multiple
[Basophilic Focus TGLs = 5-3]			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLs = 2-4A]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Ovary		Atrophy	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2492

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802492

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 4-9A]

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Thymus			
Note: RC attempted			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2501

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802501

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Parathyroid Gland | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|--------------------------|-----------|-------------------------------------|--|
| * Clitoral Gland | Duct | Ectasia
Inflammation | Marked
Suppurative, Mild |
| | | | [Ectasia TGLs = 1-7]
[Inflammation TGLs = 1-7] |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Mild |
| | | Mixed Cell Focus | |
| | | | Note: TGL 3 - NCL
Note: TGL 4 - NCL
Note: TGL 5 - NCL
Note: TGL 6 located on slide 3C not 3
[Mixed Cell Focus TGLs = 6-3C] |
| * Lymph Node, Mandibular | Sinus | Dilatation
Infiltration Cellular | Moderate
Plasma Cell, Mild |
| | | | [Dilatation TGLs = 2-10A] |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
Time Report Requested: 12:30:41
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2501

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802501

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLs = 2-10A]

* Ovary		Atrophy	Mild
* Pancreas	Acinus	Degeneration	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 7-9A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Pigmentation	Marked
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 20314 - 03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Glycidamide
 CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
 Time Report Requested: 12:30:41
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2502	TRT#: 10	SEX: Female	DAY ON TEST: 737
	DOSE: CONTROL WATER	DISP: Terminal Sacrifice	HISTO: 021500802502

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Clitoral Gland	Epithelium	Hyperplasia Inflammation	Marked Suppurative, Marked
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus Deformity	Multiple
Note: TGL 3 - NCL [Deformity TGLs = 2-3A]			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLs = 5-4A]			
Lymph Node	Renal, Sinus Renal	Dilatation Hemorrhage	Mild Mild
[Dilatation TGLs = 4-17] [Hemorrhage TGLs = 4-17]			
* Mammary Gland		Galactocele	Mild
* Nose	Goblet Cell	Hyperplasia Inflammation	Marked Chronic Active, Moderate
* Ovary		Atrophy	Marked
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spleen		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20314 - 03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 01/20/2011
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First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2502

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500802502

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLs = 1-7A]			

*** END OF REPORT ***