

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:26
First Dose M/F: NA / NA
Lab: BAT

C Number:	C55174D
Lock Date:	06/04/1993
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	06/27/1996

Experiment Number: 05162-10

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethanolamine

CAS Number: 111-42-2

Date Report Requested: 10/16/2014

Time Report Requested: 15:15:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 1	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202431

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Renal Tubule	Mineralization Nephropathy	Minimal Mild
* Liver		Eosinophilic Focus	Minimal
Note: liver nodule found at trim not apparent on micro or block			
* Pancreas		Inflammation	Chronic Active, Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202432

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Kidney	Glomerulus	Dilatation	Focal, Moderate
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLS = 2-9]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 1-2]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 3	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202433

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Kidney	Renal Tubule	Carcinoma	
	Glomerulus	Dilatation	Focal, Mild
		Hydronephrosis	Moderate
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
[Carcinoma TGLS = 2-9]			
* Liver		Clear Cell Focus	Minimal
		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 1-1]			
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 4	TRT#: 1	SEX: Male	DAY ON TEST: 596
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 9202434

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Spleen	Red Pulp	Depletion Cellular	Mild
* Testes	Interstit Cell	Adenoma	
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 5	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202435

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLS = 2-1,3-1,4-9]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLS = 1-2]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 6	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202436

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy Hepatocellular Adenoma	Focal, Mild Minimal Mild Multiple
* Liver [Hepatocellular Adenoma TGLS = 2-1,3-9,5-9]			
* Preputial Gland [Cyst TGLS = 1-6]		Cyst	Moderate
* Testes [Adenoma TGLS = 4-6]	Interstit Cell	Adenoma	
* Thyroid Gland	Follicular Cel Follicular Cel	Adenoma Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 7	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202437

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
		Hepatocellular Adenoma	
* Liver			
[Hepatocellular Adenoma TGLS = 1-1]			
* Preputial Gland		Cyst	Mild
[Cyst TGLS = 2-6]			
* Stomach, Forestomach		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 3-9]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 8	TRT#: 1	SEX: Male	DAY ON TEST: 674
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 9202438

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Gallbladder	* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Hemangiosarcoma	
		Mineralization	Mild
		Nephropathy	Mild
	[Hemangiosarcoma TGLS = 1-1]		
	[Nephropathy TGLS = 2-1]		
* Liver		Hepatocellular Carcinoma	
	[Hepatocellular Carcinoma TGLS = 3-2]		
* Spleen	Lymph Follic	Necrosis	Moderate

PRIMARY CAUSE OF DEATH - Kidney Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: COD tumors on the kidney and in the liver

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 9	TRT#: 1	SEX: Male	DAY ON TEST: 411
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 9202439

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* 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
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Liver Hepatocellular Adenoma

[Hepatocellular Adenoma TGLS = 1-1]

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

Animal Note: COD liver tumor

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 593

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202440

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Kidney		Infiltration Cellular	Lymphocyte, Mild
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Necrosis	Moderate
	[Hepatocellular Adenoma TGLS = 2-10]		
	[Hepatocellular Carcinoma TGLS = 1-9]		
* Pituitary Gland	Craniophar Dct, Pars Distalis	Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Necrosis	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: Moribund sac due to liver tumor

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mesenteric	* Mammary Gland	* Pituitary Gland
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OBSERVATIONS

* Kidney	Nephropathy	Mild
* Liver	Clear Cell Focus	Multiple, Mild
	Hepatocellular Adenoma	

[Hepatocellular Adenoma TGLS = 1-1]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 12	TRT#: 1	SEX: Male	DAY ON TEST: 473
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 9202442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Kidney	Nephropathy	Mild
* Liver	Basophilic Focus	
	Hepatocellular Adenoma	
	Necrosis	Mild
	[Hepatocellular Adenoma TGLS = 1-9]	
* Spleen	Hematopoietic Cell Proliferation	Mild
* Thymus	Necrosis	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

Animal Note: COD liver tumor

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 13	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202443

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Adrenal Medulla	* Mammary Gland
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OBSERVATIONS

* Kidney	Renal Tubule	Mineralization	Mild
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple

[Hepatocellular Adenoma TGLS = 1-1,2-9]

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 14	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202444

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
		Hypertrophy	Focal, Mild
* Kidney	Glomerulus	Dilatation	Focal, Minimal
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLS = 1-9]		
* Lung	Alveolar Epith	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 15	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202445

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney	Renal Tubule	Carcinoma	
	Glomerulus	Dilatation	Focal, Minimal
	Renal Tubule	Mineralization	Mild
		Nephropathy	Mild
	[Carcinoma TGLS = 2-9]		
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLS = 3-10,4-1]		
* Preputial Gland		Cyst	Moderate
	[Cyst TGLS = 1-6]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202446

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy Hepatocellular Adenoma	Focal, Mild Minimal Mild
* Liver	[Hepatocellular Adenoma TGLS = 2-10]		
* Lung	[Alveolar/Bronchiolar Adenoma TGLS = 3-9]	Alveolar/Bronchiolar Adenoma	
* Preputial Gland	[Cyst TGLS = 1-6]	Cyst	Moderate
Tooth	Peridont Tiss	Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 17	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202447

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Mild
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-9,2-9]		
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
	[Alveolar/Bronchiolar Adenoma TGLS = 4-2]		
* Preputial Gland		Cyst	Moderate
	[Cyst TGLS = 3-6]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 18	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202448

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	Minimal
		Eosinophilic Focus	Mild
	[Eosinophilic Focus TGLS = 4-1]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLS = 2-2]		
* Preputial Gland		Cyst	Mild
	[Cyst TGLS = 1-6]		
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: liver TGL 5 not apparent on slide or in block

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202449

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Hyperplasia	Focal, Moderate
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLS = 1-1,3-1,4-9]		
	[Hepatocellular Carcinoma TGLS = 2-9]		
* Preputial Gland		Cyst	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202450

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Intestine Large, Rectum	* Lymph Node, Mesenteric	* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Cytoplasmic Alteration	Mild
		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLS = 1-9]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 2-10]		
* Preputial Gland		Cyst	Mild
* Skin	Subcut Tiss	Angiectasis	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 21	TRT#: 1	SEX: Male	DAY ON TEST: 716
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 9202451

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* 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
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Gallbladder	* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney		Nephropathy	Marked
* Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 1-1,2 2-9]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mesenteric		Congestion	Moderate
* Pituitary Gland	Pars Intermed	Adenoma	
[Adenoma TGLS = 3-7]			
* Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202452

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Nose
* Pancreas	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Kidney	Glomerulus	Dilatation	Focal, Mild
		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	
	[Hepatocellular Carcinoma TGLS = 1-9]		
* Preputial Gland		Cyst	Moderate
	[Cyst TGLS = 2-6]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 23	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202453

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 1-1]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 24	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 9202454
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Diffuse, Mild
* Kidney	Glomerulus	Dilatation	Focal, Moderate
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 25	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202455

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLS = 3-1,2-2]		
* Preputial Gland		Cyst	Moderate
	[Cyst TGLS = 1-6]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 26	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202456

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Gallbladder	* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney	Glomerulus	Dilatation	Focal, Minimal
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLS = 1-1]		
* Lymph Node, Mesenteric		Angiectasis	Mild
	[Angiectasis TGLS = 2-4]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 27	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202457

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Nose
* Pancreas	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Kidney	Glomerulus	Dilatation	Focal, Moderate
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-9,2-1]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 28	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202458

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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, Mandibular
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mesenteric	* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202459

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Minimal Minimal Mild
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLS = 2-9,3-1,5-10,4-10]			
Mesentery	Fat	Inflammation	Chronic, Moderate
[Inflammation TGLS = 1-11]			
* Pancreas			
Note: tgl1 is actually mesentery attached to the pancreas			
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202460

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Epididymis		Leiomyoma	
* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 31	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Mild Minimal Mild
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLS = 2-10] [Hepatocellular Carcinoma TGLS = 1-9]		
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
	[Alveolar/Bronchiolar Adenoma TGLS = 3-2]		
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 4-11]		
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 32	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202462

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-1,2-1]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 33	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202463

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Marked
Tooth	Peridont Tiss	Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 34	TRT#: 1	SEX: Male	DAY ON TEST: 678
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 9202464

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mesenteric	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Bone Marrow		Hemangiosarcoma	
* Lung		Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLS = 1-2]			
* Spleen		Hemangiosarcoma	
[Hemangiosarcoma TGLS = 2-1]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Bone Marrow Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH - Spleen Hemangiosarcoma

Animal Note: COD hemangiosarcoma in spleen and bone

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 35	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202465

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
		Hepatocellular Adenoma	
* Liver	[Hepatocellular Adenoma TGLS = 1-1]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 2-2]		
	[Alveolar/Bronchiolar Carcinoma TGLS = 3-2]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 36	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202466

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-9,2-1]		
* Pancreas	Acinus	Cytoplasmic Alteration	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 37	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202467

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* 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	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Marked
* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Moderate
* Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLS = 1-2]		
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 38	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202468

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Glomerulus	Dilatation Nephropathy	Focal, Mild Moderate
* Liver		Hepatocellular Carcinoma Hepatodiaphragmatic Nodule	
	[Hepatocellular Carcinoma TGLS = 1-9]		
	[Hepatodiaphragmatic Nodule TGLS = 2-1]		
* Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethanolamine

CAS Number: 111-42-2

Date Report Requested: 10/16/2014

Time Report Requested: 15:15:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202469

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mesenteric	* Mammary Gland
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OBSERVATIONS

* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	Moderate
* Preputial Gland		Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 40	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202470

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* 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	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
	[Adenoma TGLS = 1-1]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 41	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202471

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Glomerulus	Dilatation Infiltration Cellular Nephropathy Hepatocellular Carcinoma	Focal, Mild Lymphocyte, Moderate Moderate
* Liver	[Hepatocellular Carcinoma TGLS = 1-1]	Hepatocellular Carcinoma	Metastatic (Liver)
* Lung			
* Skin	Subcut Tiss	Fibrosarcoma	
	[Fibrosarcoma TGLS = 2-9]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 42	TRT#: 1	SEX: Male	DAY ON TEST: 649
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202472

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pancreas
* Pituitary Gland	* Prostate	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Kidney	Glomerulus	Dilatation Nephropathy	Diffuse, Moderate Marked
	[Nephropathy TGLS = 1-1]		
* Liver		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Carcinoma TGLS = 2-9,3-9]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Salivary Glands	Duct	Cytoplasmic Alteration	Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

Animal Note: moribund sac due to liver tumors and kidney disease

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 43	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202473

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
		Hepatocellular Adenoma	
* Liver			
	[Hepatocellular Adenoma TGLS = 2-1]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 3-2]		
* Preputial Gland		Cyst	Moderate
	[Cyst TGLS = 1-6]		
* Thyroid Gland	Follicular Cel	Adenoma	
	[Adenoma TGLS = 4-2]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 44	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202474

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney	Renal Tubule	Mineralization Nephropathy	Minimal Mild
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-10]			
Lymph Node	Mediastinal	Plasma Cell Tumor Malignant	
* Lymph Node, Mesenteric		Plasma Cell Tumor Malignant	
[Plasma Cell Tumor Malignant TGLS = 1-9]			
* Spleen		Plasma Cell Tumor Malignant	
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202475

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Moderate
* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
			[Hepatocellular Adenoma TGLS = 2-9,3-9]
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Preputial Gland		Cyst	Moderate
			[Cyst TGLS = 1-6]
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Tooth		Developmental Malformation	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 46	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202476

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Renal Tubule	Mineralization Nephropathy	Minimal Mild
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-9]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 1-2]			
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Marked
[Hyperplasia TGLS = 3-10]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 47	TRT#: 1	SEX: Male	DAY ON TEST: 485
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 9202477

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Parathyroid Gland
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INSUFFICIENT TISSUE

* Pituitary Gland

OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Mild
* Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 1-9]			
* Pancreas	Acinus	Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: COD liver tumor

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 48	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202478

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* 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	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adren Cortex			
Note: there is a cyst in the cortex that can not be recorded			
* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mesenteric		Congestion	Moderate
* Preputial Gland		Cyst	Mild
[Cyst TGLS = 1-6]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 611

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202479

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Bone	Rib	Carcinoma	Metastatic (Islets, Pancreatic)
Note: nodules attached to inner wall of rib cage [Carcinoma TGLS = 6-10]			
* Heart		Carcinoma	Metastatic (Islets, Pancreatic)
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 2-4]			
* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Moderate
		Hepatocellular Carcinoma	
[Basophilic Focus TGLS = 4-1] [Hepatocellular Carcinoma TGLS = 3-1]			
* Lung	Mediastinum	Carcinoma	Metastatic (Islets, Pancreatic)
[Carcinoma TGLS = 5-2]			
* Preputial Gland		Cyst	Moderate
* Skin	SOA	Ulcer	Mild
[Ulcer TGLS = 1-9]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Islets, Pancreatic Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 611

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202479

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Carcinoma;Lung Mediastinum Carcinoma Islets;Pancreatic

Animal Note: moribund sac due to islet cell tumor and metastasis

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 50	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202480

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
		Hepatocellular Adenoma	
* Liver	[Hepatocellular Adenoma TGLS = 1-1]		
* Lung	[Alveolar/Bronchiolar Adenoma TGLS = 2-2]	Alveolar/Bronchiolar Adenoma	
* Preputial Gland		Cyst	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 51	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202481

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Pituitary Gland
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OBSERVATIONS

* Kidney	Glomerulus	Dilatation	Focal, Moderate
	Renal Tubule	Mineralization	Mild
		Nephropathy	Moderate
* Liver	Centrilobular	Cytoplasmic Alteration	Mild
		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Minimal
	[Hepatocellular Adenoma TGLS = 1-9,2-9,3-1]		
* Pancreas	Acinus	Atrophy	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 52	TRT#: 3	SEX: Male	DAY ON TEST: 706
	DOSE: 40 MG/KG	DISP: Natural Death	HISTO: 9202482

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* 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	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mesenteric	* Mammary Gland
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OBSERVATIONS

* Kidney	Nephropathy	Mild
* Liver	Hepatocellular Carcinoma	Multiple
	Syncytial Alteration	Mild
[Hepatocellular Carcinoma TGLS = 1-9]		
* Lung	Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 2-2]		
* Spleen	Hematopoietic Cell Proliferation	Moderate
* Thymus	Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 53	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202483

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Pituitary Gland
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OBSERVATIONS

* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Mild
		Nephropathy	Moderate
* Liver		Hepatocellular Adenoma	
		Syncytial Alteration	Mild

[Hepatocellular Adenoma TGLS = 1-9]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 54 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 729
DOSE: 40 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 9202484

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymsus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Kidney	Glomerulus	Dilatation	Focal, Moderate
	Renal Tubule	Mineralization	Mild
		Nephropathy	Mild
* Liver	Centrilobular	Cytoplasmic Alteration	Mild
		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Mild
	[Hepatocellular Adenoma TGLS = 2-9 3-1,2 4-10]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Preputial Gland		Cyst	Mild
	[Cyst TGLS = 1-6]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 55	TRT#: 3	SEX: Male	DAY ON TEST: 641
	DOSE: 40 MG/KG	DISP: Natural Death	HISTO: 9202485

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Glomerulus	Dilatation	Focal, Moderate
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Minimal
	[Hepatocellular Adenoma TGLS = 2-1,2 3-9]		
* Pancreas	Acinus	Atrophy	Marked
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hemangiosarcoma	
	[Hemangiosarcoma TGLS = 1-1]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

CONTRIBUTORY CAUSE OF DEATH - Spleen Hemangiosarcoma

Animal Note: COD liver and spleen tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 56	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202486

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Mild Minimal Minimal
* Liver		Hepatocellular Adenoma Syncytial Alteration	Multiple Mild
[Hepatocellular Adenoma TGLS = 1-1,9 2-10 3-10]			
* Thymus			
Note: thymus in slide 2			
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 57	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202487

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy Hepatocellular Adenoma Hepatocellular Carcinoma	Focal, Mild Minimal Mild Multiple
	[Hepatocellular Adenoma TGLS = 2-1,9 3-1] [Hepatocellular Carcinoma TGLS = 1-9]		
* Liver		Alveolar/Bronchiolar Adenoma Hepatocellular Carcinoma	Metastatic (Liver)
* Lung		Hematopoietic Cell Proliferation Hyperplasia	Minimal Lymphoid, Mild
* Spleen			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 58	TRT#: 3	SEX: Male	DAY ON TEST: 731
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202488

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Kidney	Glomerulus	Dilatation	Focal, Moderate
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLS = 1-9]		
	[Hepatocellular Carcinoma TGLS = 1-1]		
* Preputial Gland		Cyst	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 59 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 731
DOSE: 40 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 9202489

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mesenteric	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Intestine Large, Cecum	Lymphoid Tiss	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 8-11]			
* Kidney	Renal Tubule	Adenoma	
	Glomerulus	Dilatation	Focal, Moderate
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
[Adenoma TGLS = 6-1]			
* Liver		Basophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 2-1,3-1,4-9]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 5-10]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 60	TRT#: 3	SEX: Male	DAY ON TEST: 731
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202490

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Kidney	Cortex	Cyst	Moderate
	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
[Cyst TGLS = 2-9]			
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 1-1]			
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Marked
[Hyperplasia TGLS = 3-10]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 61

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202491

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Moderate Minimal Mild
* Liver		Hepatocellular Adenoma Syncytial Alteration	Multiple Mild
	[Hepatocellular Adenoma TGLS = 1-1,9]		
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
	[Alveolar/Bronchiolar Adenoma TGLS = 2-2]		
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 62	TRT#: 3	SEX: Male	DAY ON TEST: 731
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202492

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Pituitary Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mesenteric	* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Kidney	Renal Tubule	Mineralization	Mild
		Nephropathy	Minimal
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		[Hepatoblastoma TGLS = 2-1,1-9]	
		[Hepatocellular Adenoma TGLS = 2-10]	
		[Hepatocellular Carcinoma TGLS = 2-1]	
* Salivary Glands	Duct	Cytoplasmic Alteration	Mild
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 63	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202493

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mesenteric	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple

[Hepatocellular Adenoma TGLS = 1-9,2-9,3-1,4-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 64

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202494

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Prostate
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney	Renal Tubule	Adenoma	
	Cortex	Cyst	Mild
	Glomerulus	Dilatation	Focal, Moderate
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Minimal
		[Hepatoblastoma TGLS = 1-9]	
		[Hepatocellular Adenoma TGLS = 1-1,9]	
* Lymph Node, Mesenteric		Necrosis	Mild
* Preputial Gland		Cyst	Moderate
		[Cyst TGLS = 2-6]	
* Salivary Glands	Duct	Cytoplasmic Alteration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: aorta in slide 2

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 65	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202495

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Mild Minimal Minimal
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-9,2-10,3-1,4-10,5-10,7-11] [Hepatocellular Carcinoma TGLS = 6-11]		
* Preputial Gland		Cyst	Mild
Tooth		Developmental Malformation	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 66	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202496

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-1,2-1]		
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: aorta in slide 2, esophagus in slide 7.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 40 MG/KG

DISP: Natural Death

HISTO: 9202497

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Gallbladder	* 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
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland * Thymus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Bone Marrow		Hemangiosarcoma	
* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hemangiosarcoma	Multiple
	[Hemangiosarcoma TGLS = 2-1,10 4-9]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 3-11]		
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Marked
		Thrombosis	Moderate
	[Thrombosis TGLS = 1-1]		
* Stomach, Glandular		Necrosis	Mild
	[Necrosis TGLS = 5-12]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Liver Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 40 MG/KG

DISP: Natural Death

HISTO: 9202497

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: COD hemangiosarcoma in liver and bone marrow

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethanolamine

CAS Number: 111-42-2

Date Report Requested: 10/16/2014

Time Report Requested: 15:15:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 68

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202498

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla
- * Brain
- * Heart
- * Intestine Small, Duodenum
- * Nose
- * Prostate
- * Stomach, Glandular
- * Urinary Bladder

- Blood Vessel
- * Epididymis
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Pancreas
- * Salivary Glands
- * Testes

- * Bone
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Parathyroid Gland
- * Seminal Vesicle
- * Thyroid Gland

- * Bone Marrow
- * Gallbladder
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Pituitary Gland
- * Stomach, Forestomach
- * Trachea

MISSING

- * Mammary Gland

OBSERVATIONS

- * Adrenal Cortex
- * Kidney

- Capsule
- Glomerulus
- Renal Tubule

- Hyperplasia
- Dilatation
- Mineralization
- Nephropathy
- Cytoplasmic Alteration
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Syncytial Alteration

- Moderate
- Focal, Moderate
- Moderate
- Mild
- Mild
- Multiple
- Multiple
- Mild

- * Liver

- Centrilobular

[Hepatocellular Adenoma TGLS = 6-1,9]
 [Hepatocellular Carcinoma TGLS = 6-9]

- * Lung

- Mediastinal

- Alveolar/Bronchiolar Adenoma
- Lymphoma Malignant

[Lymphoma Malignant TGLS = 4-4]

- * Lymph Node, Mandibular

[Lymphoma Malignant TGLS = 2-3]

- Lymphoma Malignant

- * Lymph Node, Mesenteric

[Lymphoma Malignant TGLS = 3-4]

- Lymphoma Malignant

- * Preputial Gland

[Cyst TGLS = 1-6]

- Cyst

- Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 68	TRT#: 3 DOSE: 40 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 9202498
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ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Lymphoma Malignant TGLS = 7-10]	SOA SOA, Subcut Tiss	Hyperkeratosis Lymphoma Malignant	Minimal
* Spleen [Lymphoma Malignant TGLS = 5-1]		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 69 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 723
DOSE: 40 MG/KG **DISP:** Natural Death **HISTO:** 9202499

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Islets, Pancreatic	* Nose
* Pancreas	* Pituitary Gland	* Salivary Glands	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland	* Thymus
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Stomach, Forestomach	* Stomach, Glandular

OBSERVATIONS

* Kidney	Pelvis	Inflammation	Suppurative, Mild
* Liver		Hepatocellular Carcinoma	
		Hepatodiaphragmatic Nodule	
	[Hepatocellular Carcinoma TGLS = 4-9]		
	[Hepatodiaphragmatic Nodule TGLS = 4-1]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mandibular		Necrosis	Mild
* Lymph Node, Mesenteric		Necrosis	Moderate
* Preputial Gland		Cyst	Moderate
	[Cyst TGLS = 1-6]		
* Prostate		Inflammation	Suppurative, Diffuse, Marked
	[Inflammation TGLS = 2-8]		
* Seminal Vesicle		Inflammation	Suppurative, Diffuse, Marked
	[Inflammation TGLS = 3-8]		
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH - Prostate Inflammation
CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 69

TRT#: 3

SEX: Male

DAY ON TEST: 723

DOSE: 40 MG/KG

DISP: Natural Death

HISTO: 9202499

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: COD, prostate inflammation and liver tumor

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 70

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202500

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Pituitary Gland
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OBSERVATIONS

* Kidney	Renal Tubule	Adenoma	
	Glomerulus	Dilatation	Focal, Moderate
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
	[Adenoma TGLS = 6-12EE]		
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Syncytial Alteration	Mild
	[Hepatocellular Adenoma TGLS = 4-10,5-9]		
	[Hepatocellular Carcinoma TGLS = 3-10]		
Skeletal Muscle		Hemangiosarcoma	
	[Hemangiosarcoma TGLS = 1-11]		
* Spleen		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Moderate
	[Hemangiosarcoma TGLS = 2-1]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202501

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Kidney	Glomerulus	Dilatation	Focal, Moderate
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Cytoplasmic Alteration	Mild
		Hepatocellular Adenoma	
		Syncytial Alteration	Minimal
	[Hepatocellular Adenoma TGLS = 2-1]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 3-9]		
* Preputial Gland		Cyst	Mild
	[Cyst TGLS = 1-6]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 72	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202502

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Glomerulus	Dilatation	Focal, Moderate
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Diffuse, Minimal
		Hepatocellular Adenoma	Multiple

[Hepatocellular Adenoma TGLS = 1-1,2-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202503

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy Hepatocellular Adenoma	Focal, Mild Minimal Minimal Multiple
* Liver	[Hepatocellular Adenoma TGLS = 2-1,3-9,4-1]		
* Preputial Gland	[Inflammation TGLS = 1-6]	Inflammation	Chronic Active, Marked
* Skin	SOA	Hyperkeratosis	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 74

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202504

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Testes	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Syncytial Alteration	Minimal
		[Hepatocellular Adenoma TGLS = 2-10]	
		[Hepatocellular Carcinoma TGLS = 1-9]	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular	Epithelium	Hyperplasia	Focal, Mild
		[Hyperplasia TGLS = 3-4]	
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 75	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202505

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Gallbladder	* Mammary Gland
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INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Cytoplasmic Alteration	Mild
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-9,2-11]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 3-10]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 76	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202506

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Mild Minimal Minimal
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-1,2-9,3-1] [Hepatocellular Carcinoma TGLS = 1-1]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 77	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202507

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Mild
* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Cytoplasmic Alteration	Minimal
		Hepatocellular Carcinoma	
		Syncytial Alteration	Minimal
	[Hepatocellular Carcinoma TGLS = 1-9]		
* Spleen		Hematopoietic Cell Proliferation	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: pancreatic lymph node substituted for mesenteric node

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202508

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Mild
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Syncytial Alteration	Minimal
	[Hepatocellular Adenoma TGLS = 4-1,11]		
	[Hepatocellular Carcinoma TGLS = 3-9]		
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
	[Alveolar/Bronchiolar Adenoma TGLS = 2-2,1-10]		
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 79	TRT#: 3	SEX: Male	DAY ON TEST: 731
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202509

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mesenteric	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Mild
		Nephropathy	Mild
* Liver	Centrilobular	Cytoplasmic Alteration	Mild
		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Mild
	[Hepatocellular Adenoma TGLS = 1-9,2-1]		
* Preputial Gland		Cyst	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 80	TRT#: 3	SEX: Male	DAY ON TEST: 731
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202510

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Cortex	Cyst	Mild
	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Mild
		Nephropathy	Mild
[Cyst TGLS = 2-9]			
* Liver	Centrilobular	Cytoplasmic Alteration	Mild
		Hepatocellular Adenoma	
		Syncytial Alteration	Minimal
[Hepatocellular Adenoma TGLS = 1-10]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 81

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202511

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Mild
		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Centrilobular	Cytoplasmic Alteration	Mild
		Hepatocellular Adenoma	
		Syncytial Alteration	Minimal
	[Hepatocellular Adenoma TGLS = 1-1]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: aorta in slide 2

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 82	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202512

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Cytoplasmic Alteration	Mild
		Syncytial Alteration	Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 83	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202513

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Mild Minimal Minimal
* Liver	Centrilobular	Cytoplasmic Alteration Hepatocellular Adenoma Syncytial Alteration	Mild Multiple Minimal
[Hepatocellular Adenoma TGLS = 1-1,2-1,3-10]			
* Preputial Gland		Cyst	Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Moderate
Note: multiple foci, some ulcerated			
[Hyperplasia TGLS = 4-9]			
Tooth		Developmental Malformation	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202514

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Syncytial Alteration	Minimal
	[Hepatocellular Adenoma TGLS = 2-10]		
	[Hepatocellular Carcinoma TGLS = 1-9]		
* Skin	SOA	Hyperkeratosis	Minimal
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 85	TRT#: 3	SEX: Male	DAY ON TEST: 692
	DOSE: 40 MG/KG	DISP: Natural Death	HISTO: 9202515

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Kidney	Renal Tubule	Adenoma	
* Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 3-9,4-10,5-11]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mandibular		Necrosis	Mild
* Lymph Node, Mesenteric		Necrosis	Mild
* Preputial Gland		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-6]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 2-1]			

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 86	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202516

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Parathyroid Gland	* Thyroid Gland
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OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy Clear Cell Focus Hepatocellular Adenoma	Focal, Moderate Mild Moderate Multiple
* Liver			
	[Hepatocellular Adenoma TGLS = 1-9,2-10]		
* Spleen		Hematopoietic Cell Proliferation	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: aorta in slide 2

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202517

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
		Hypertrophy	Focal, Mild
* Kidney	Cortex	Cyst	Mild
	Glomerulus	Dilatation	Focal, Moderate
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Centrilobular	Cytoplasmic Alteration	Minimal
		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Minimal
		[Hepatocellular Adenoma TGLS = 1-9,2-1,3-10,4-11]	
* Preputial Gland		Cyst	Moderate
		Inflammation	Chronic Active, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202518

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	Mild
	Centrilobular	Cytoplasmic Alteration	Minimal
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Syncytial Alteration	Minimal
	[Hepatocellular Adenoma TGLS = 2-1,3-9]		
	[Hepatocellular Carcinoma TGLS = 1-1]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Moderate
	[Hyperplasia TGLS = 4-10]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202519

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Mild
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Minimal
	[Hepatocellular Adenoma TGLS = 1-1,9 2-1]		
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Moderate
	[Hyperplasia TGLS = 3-10]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 670

DOSE: 40 MG/KG

DISP: Natural Death

HISTO: 9202520

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Hemosiderin, Moderate
* Liver		Hepatocellular Adenoma	Multiple
		Thrombosis	Marked
	[Hepatocellular Adenoma TGLS = 3-1,2,9]		
	[Thrombosis TGLS = 2-9]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Preputial Gland		Cyst	Moderate
	[Cyst TGLS = 1-6]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stom Gland			
	Note: tgl 4,foci are post mortem autolysis		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

CONTRIBUTORY CAUSE OF DEATH - Liver Thrombosis

Animal Note: COD liver tumors and thrombus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 91	TRT#: 3	SEX: Male	DAY ON TEST: 576
	DOSE: 40 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202521

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 1-9,10]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Parathyroid Gland		Cyst	Mild
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 92	TRT#: 3	SEX: Male	DAY ON TEST: 731
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202522

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex [Adenoma TGLS = 1-7]	Capsule	Adenoma	
* Kidney	Renal Tubule	Mineralization	Mild
		Nephropathy	Mild
* Liver	Centrilobular	Cytoplasmic Alteration	Minimal
		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Minimal
[Hepatocellular Adenoma TGLS = 2-1,3-9]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 93	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202523

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Renal Tubule Glomerulus Renal Tubule	Carcinoma Dilatation Mineralization Nephropathy	Focal, Mild Minimal Minimal
[Carcinoma TGLS = 2-9]			
* Liver	Centrilobular	Cytoplasmic Alteration Hepatocellular Adenoma Syncytial Alteration	Mild Multiple Minimal
[Hepatocellular Adenoma TGLS = 3-1,4-1,5-10]			
* Preputial Gland		Cyst Inflammation	Mild Chronic Active, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 94	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202524

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Cytoplasmic Alteration	Minimal
		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-9,2-10]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Skin	SOA	Hyperkeratosis	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 95	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202525

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Mild
		Nephropathy	Mild
* Liver		Clear Cell Focus	Mild
	Centrilobular	Cytoplasmic Alteration	Minimal
		Hepatocellular Adenoma	Multiple
* Lung		Alveolar/Bronchiolar Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 1, preputial glands within normal limits on micro

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202526

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
Harderian Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Kidney	Renal Tubule	Dilatation	Moderate
	Cortex	Infarct	Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Minimal
[Hepatocellular Adenoma TGLS = 2-1,3-9]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Skin	Pinna, Subcut Tiss	Fibroma	
	SOA	Hyperkeratosis	Minimal
[Fibroma TGLS = 4-11]			
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202527

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 9-13]			
* Kidney	Cortex	Cyst	Mild
	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Hyperplasia	Focal, Moderate
	Renal Tubule	Mineralization	Minimal
[Cyst TGLS = 1-1,9]		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 2-10,3-11,4-10,5-12,7-1,8-11,10-12]		Syncytial Alteration	Minimal
* Thymus		Cyst	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 40 MG/KG

DISP: Natural Death

HISTO: 9202528

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		[Hepatocellular Adenoma TGLS = 2-11,3-11,4-12,5-13,9-14]	
		[Hepatocellular Carcinoma TGLS = 1-10]	
* Lung	Alveolar Epith	Alveolar/Bronchiolar Carcinoma	
		Hyperplasia	Mild
		[Alveolar/Bronchiolar Carcinoma TGLS = 6-9]	
Lymph Node		Hyperplasia	Lymphoid, Moderate
		[Hyperplasia TGLS = 7-15]	
* Lymph Node, Mandibular		Necrosis	Mild
* Lymph Node, Mesenteric		Necrosis	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		[Hematopoietic Cell Proliferation TGLS = 8-1]	
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma
CONTRIBUTORY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 40 MG/KG

DISP: Natural Death

HISTO: 9202528

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 99	TRT#: 3	SEX: Male	DAY ON TEST: 499
	DOSE: 40 MG/KG	DISP: Natural Death	HISTO: 9202529

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Spleen	Hemangiosarcoma	
[Hemangiosarcoma TGLS = 1-9]		
* Thymus	Necrosis	Mild

PRIMARY CAUSE OF DEATH - Spleen Hemangiosarcoma

Animal Note: COD spleen hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 100	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202530

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Hyperplasia	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Minimal
	[Hepatocellular Adenoma TGLS = 1-9,2-10]		
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Skin	SOA	Hyperkeratosis	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 101	TRT#: 5	SEX: Male	DAY ON TEST: 731
	DOSE: 80 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202531

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* 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	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
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OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Moderate Minimal Mild
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLS = 2-1,9] [Hepatocellular Carcinoma TGLS = 2-9]			
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Moderate
[Hyperplasia TGLS = 3-10]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 1-6]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 102

TRT#: 5

SEX: Male

DAY ON TEST: 583

DOSE: 80 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202532

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mesenteric	* Mammary Gland
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OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Mild Mild Mild
* Liver		Hemangiosarcoma Hepatocellular Adenoma Hepatocellular Carcinoma Syncytial Alteration	Multiple Multiple Minimal
	[Hemangiosarcoma TGLS = 1-10] [Hepatocellular Adenoma TGLS = 4-1,3-9,6-9,9-9,7-10,8-10] [Hepatocellular Carcinoma TGLS = 2-1,5-10]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Mild
	[Hyperplasia TGLS = 10-11]		
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Liver Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 103

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202533

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Kidney	Cortex Glomerulus	Cyst Dilatation Nephropathy Hepatocellular Adenoma Hepatocellular Carcinoma	Moderate Diffuse, Minimal Marked Multiple
	[Hepatocellular Adenoma TGLS = 1-1,9] [Hepatocellular Carcinoma TGLS = 1-1]		
* Liver			
* Lung		Alveolar/Bronchiolar Adenoma Hepatocellular Carcinoma	Metastatic (Liver)
* Preputial Gland		Cyst	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 104

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202534

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
Skeletal Muscle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Intestine Small, Duodenum	* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Cytoplasmic Alteration	Mild
		Hepatocellular Carcinoma	Multiple
		Syncytial Alteration	Mild
		[Hepatocellular Carcinoma TGLS = 2-9,2-10]	
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Preputial Gland		Cyst	Mild
		Inflammation	Chronic Active, Moderate
		[Cyst TGLS = 1-6]	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 105

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202535

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Moderate Minimal Minimal
* Liver	Centrilobular	Cytoplasmic Alteration Hepatocellular Adenoma Syncytial Alteration	Mild Multiple Mild
	[Hepatocellular Adenoma TGLS = 1-9]		
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 106

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202536

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Mild Minimal Mild
* Liver	Centrilobular	Cytoplasmic Alteration Hepatocellular Adenoma Syncytial Alteration	Mild Multiple Mild
	[Hepatocellular Adenoma TGLS = 2-9,3-9,4-1]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLS = 5-2]		

PRIMARY CAUSE OF DEATH

-

Animal Note: tgl 1 preputial glands within normal limits on micro

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 107

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202537

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Gallbladder	* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Intestine Small, Duodenum [Hyperplasia TGLS = 5-10]	Peyers Patch	Hyperplasia	Lymphoid, Moderate
* Kidney	Glomerulus	Dilatation Nephropathy	Focal, Mild Mild
* Liver [Hepatocellular Adenoma TGLS = 4-1] [Hepatocellular Carcinoma TGLS = 3-9,4-11]		Hepatocellular Adenoma Hepatocellular Carcinoma Syncytial Alteration	Multiple Multiple Mild
* Preputial Gland [Cyst TGLS = 2-6]		Cyst	Mild
* Skin [Fibrosarcoma TGLS = 1-12]	Subcut Tiss	Fibrosarcoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 108

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202538

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mesenteric	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Cytoplasmic Alteration	Mild
		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Mild
	[Hepatocellular Adenoma TGLS = 2-1,9 3-1 4-9]		
* Preputial Gland		Cyst	Mild
	[Cyst TGLS = 1-6]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 109

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202539

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lung	Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Intestine Small, Jejunum [Carcinoma TGLS = 3-4]		Carcinoma	
* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Mild Minimal Minimal
* Liver [Hepatocellular Adenoma TGLS = 2-1,9] [Hepatocellular Carcinoma TGLS = 2-9]		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
* Preputial Gland [Cyst TGLS = 1-6]		Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 110 **TRT#:** 5 **SEX:** Male **DAY ON TEST:** 724
DOSE: 80 MG/KG **DISP:** Moribund Sacrifice **HISTO:** 9202540

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* 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
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Testes
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mesenteric	* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney	Glomerulus	Dilatation	Focal, Moderate
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Marked
	Renal Tubule	Pigmentation	Hemosiderin, Mild
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	
		Syncytial Alteration	Mild
		Thrombosis	Marked
		[Hepatoblastoma TGLS = 1-9]	
		[Hepatocellular Adenoma TGLS = 2-10]	
		[Thrombosis TGLS = 1-9]	
* Lung		Hepatoblastoma	Metastatic (Liver)
* Pancreas	Acinus	Cytoplasmic Alteration	Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Glandular		Necrosis	Mild
		[Necrosis TGLS = 3-11]	
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 110

TRT#: 5

SEX: Male

DAY ON TEST: 724

DOSE: 80 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202540

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: moribund sac due to liver tumor and thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 111

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202541

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Intestine Large, Rectum	* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Minimal Minimal Minimal
* Liver	Centrilobular	Cytoplasmic Alteration Hepatocellular Adenoma Hepatocellular Carcinoma Syncytial Alteration	Mild Multiple Minimal
	[Hepatocellular Adenoma TGLS = 1-1,9] [Hepatocellular Carcinoma TGLS = 2-9]		
* Lung		Alveolar/Bronchiolar Adenoma Alveolar/Bronchiolar Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 112

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202542

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Renal Tubule	Mineralization Nephropathy Clear Cell Focus Eosinophilic Focus Hepatocellular Adenoma Syncytial Alteration	Minimal Mild Multiple Mild
			[Clear Cell Focus TGLS = 5-9] [Eosinophilic Focus TGLS = 4-9] [Hepatocellular Adenoma TGLS = 2-1,3-2]
* Lym Node Mesen			
			Note: pancreatic node substituted for mesenteric node
* Preputial Gland		Cyst	Moderate
			[Cyst TGLS = 1-6]
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 113

TRT#: 5

SEX: Male

DAY ON TEST: 599

DOSE: 80 MG/KG

DISP: Natural Death

HISTO: 9202543

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* 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	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mesenteric	* Mammary Gland
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OBSERVATIONS

* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Cytoplasmic Alteration	Mild
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Syncytial Alteration	Mild
		[Hepatocellular Adenoma TGLS = 3-2,4-10,6-11]	
		[Hepatocellular Carcinoma TGLS = 1-9,5-10]	
* Lymph Node, Mandibular		Necrosis	Mild
* Preputial Gland		Cyst	Moderate
		[Cyst TGLS = 2-6]	
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular		Pigmentation	Minimal
		Note: pigment probably due to ante/postmortem change	
		[Pigmentation TGLS = 7-12]	
* Thymus		Necrosis	Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 114	TRT#: 5	SEX: Male	DAY ON TEST: 715
	DOSE: 80 MG/KG	DISP: Natural Death	HISTO: 9202544

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* 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	* Pituitary Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Syncytial Alteration	Mild
	[Hepatocellular Carcinoma TGLS = 1-9]		
* Lymph Node, Mandibular		Necrosis	Mild
* Lymph Node, Mesenteric		Necrosis	Moderate
* Salivary Glands	Duct	Cytoplasmic Alteration	Mild
* Stomach, Glandular		Pigmentation	Minimal
	Note: pigment probably due to ante/postmortem change		
	[Pigmentation TGLS = 2-10]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 115

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202545

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Gallbladder	* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney	Glomerulus	Dilatation	Focal, Minimal
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Moderate
* Liver	Centrilobular	Cytoplasmic Alteration	Mild
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Syncytial Alteration	Mild
	[Hepatocellular Adenoma TGLS = 3-1,10]		
	[Hepatocellular Carcinoma TGLS = 2-9]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Preputial Gland		Cyst	Mild
	[Cyst TGLS = 1-6]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 116

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202546

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Moderate Minimal Mild
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma Syncytial Alteration	Multiple Mild
[Hepatocellular Adenoma TGLS = 4-10] [Hepatocellular Carcinoma TGLS = 3-9]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 2-2]			
* Preputial Gland		Cyst	Moderate
[Cyst TGLS = 1-6]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 117

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202547

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Pituitary Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Kidney	Glomerulus	Dilatation	Focal, Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Syncytial Alteration	Minimal
	[Hepatocellular Adenoma TGLS = 2-9,3-10]		
	[Hepatocellular Carcinoma TGLS = 3-1,10]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 1-11]		
* Salivary Glands	Duct	Cytoplasmic Alteration	Mild
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 118

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202548

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
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INSUFFICIENT TISSUE

* Pituitary Gland

OBSERVATIONS

* Kidney	Renal Tubule Glomerulus	Adenoma Dilatation Nephropathy	Focal, Moderate Moderate
[Adenoma TGLS = 2-10]			
* Liver	Centrilobular	Cytoplasmic Alteration Hepatoblastoma Hepatocellular Adenoma Hepatocellular Carcinoma Syncytial Alteration	Mild Multiple Mild
[Hepatoblastoma TGLS = 1-10]			
[Hepatocellular Adenoma TGLS = 1-1,10]			
[Hepatocellular Carcinoma TGLS = 1-1]			
* Lung	[Alveolar/Bronchiolar Carcinoma TGLS = 3-9]	Alveolar/Bronchiolar Carcinoma	
* Preputial Gland		Cyst	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 118

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202548

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 119

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202549

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Cytoplasmic Alteration	Mild
		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Mild
	[Hepatocellular Adenoma TGLS = 1-1,2,9]		
* Skin	SOA	Hyperkeratosis	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 120

TRT#: 5

SEX: Male

DAY ON TEST: 641

DOSE: 80 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202550

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Renal Tubule	Mineralization Nephropathy	Mild Moderate
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma Syncytial Alteration	Multiple Multiple Minimal
		[Hepatocellular Adenoma TGLS = 2-9,5-1,6-9,7-10] [Hepatocellular Carcinoma TGLS = 3-1,1-9]	
* Lung	Alveolar Epith	Alveolar/Bronchiolar Adenoma Hyperplasia Cyst	Mild Moderate
* Preputial Gland			
		[Cyst TGLS = 4-6]	
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Mild
		[Hyperplasia TGLS = 8-10]	
* Thymus		Necrosis	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 121

TRT#: 5

SEX: Male

DAY ON TEST: 681

DOSE: 80 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202551

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Renal Tubule Glomerulus Renal Tubule	Adenoma Dilatation Mineralization	Focal, Mild Mild
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma Syncytial Alteration	Multiple Multiple Mild
	[Hepatocellular Adenoma TGLS = 1-1,2,9] [Hepatocellular Carcinoma TGLS = 1-1,9]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 122 **TRT#:** 5 **SEX:** Male **DAY ON TEST:** 730
DOSE: 80 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 9202552

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Kidney	Glomerulus	Dilatation	Focal, Moderate
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatoblastoma TGLS = 1-9]		
	[Hepatocellular Adenoma TGLS = 1-1,9]		
	[Hepatocellular Carcinoma TGLS = 1-9]		
* Stomach, Forestomach		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = 2-10]		
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 631

DOSE: 80 MG/KG

DISP: Natural Death

HISTO: 9202553

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Depletion Cellular	Marked
* Intestine Small, Jejunum		Carcinoma	
[Carcinoma TGLS = 4-10]			
* Liver		Hepatocellular Adenoma	Multiple
		Inflammation	Suppurative, Moderate
		Syncytial Alteration	Minimal
[Hepatocellular Adenoma TGLS = 5-1]			
[Inflammation TGLS = 6-9]			
* Lung		Inflammation	Suppurative, Marked
* Lymph Node, Mesenteric		Inflammation	Suppurative, Marked
[Inflammation TGLS = 4-10]			
* Preputial Gland		Cyst	Mild
[Cyst TGLS = 1-6]			
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 3-1]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Intestine Small, Jejunum Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 631

DOSE: 80 MG/KG

DISP: Natural Death

HISTO: 9202553

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: COD small intestine carcinoma and peritonitis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 556

DOSE: 80 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202554

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Moderate Minimal Mild
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma Syncytial Alteration	Mild
	[Hepatocellular Adenoma TGLS = 2-10] [Hepatocellular Carcinoma TGLS = 1-9]		
* Salivary Glands	Duct	Cytoplasmic Alteration	Minimal
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

Animal Note: moribund sac due to liver tumor

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 125

TRT#: 5

SEX: Male

DAY ON TEST: 701

DOSE: 80 MG/KG

DISP: Natural Death

HISTO: 9202555

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mesenteric	* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Cytoplasmic Alteration	Mild
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Syncytial Alteration	Mild
		[Hepatoblastoma TGLS = 1-9]	
		[Hepatocellular Adenoma TGLS = 2-10,3-10,4-11]	
		[Hepatocellular Carcinoma TGLS = 1-9]	
* Salivary Glands	Duct	Cytoplasmic Alteration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Glandular		Pigmentation	Minimal
		Note: pigment probably due to ante/post mortem change	
		[Pigmentation TGLS = 5-4]	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 126

TRT#: 5

SEX: Male

DAY ON TEST: 445

DOSE: 80 MG/KG

DISP: Natural Death

HISTO: 9202556

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* 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	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Syncytial Alteration	Minimal
	[Hepatocellular Adenoma TGLS = 3-1,4-10]		
	[Hepatocellular Carcinoma TGLS = 2-10]		
* Skin	Subcut Tiss	Fibrosis	Mild
	[Fibrosis TGLS = 1-9]		
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 127

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202557

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Nose
* Pancreas	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

* Gallbladder	* Mammary Gland	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Mild Minimal Mild
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma Syncytial Alteration	Multiple Mild
	[Hepatocellular Adenoma TGLS = 2-1,9] [Hepatocellular Carcinoma TGLS = 2-1]		
* Preputial Gland		Cyst	Moderate
	[Cyst TGLS = 1-6]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 128

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202558

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Mild Minimal Mild
* Liver	Centrilobular	Cytoplasmic Alteration Hepatocellular Adenoma Hepatocellular Carcinoma Syncytial Alteration	Mild Multiple Multiple Mild
	[Hepatocellular Adenoma TGLS = 3-10] [Hepatocellular Carcinoma TGLS = 2-9,3-10]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Preputial Gland		Cyst	Mild
	[Cyst TGLS = 1-6]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 129

TRT#: 5

SEX: Male

DAY ON TEST: 654

DOSE: 80 MG/KG

DISP: Natural Death

HISTO: 9202559

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Renal Tubule Renal Tubule	Adenoma Mineralization Nephropathy	Minimal Minimal
[Adenoma TGLS = 2-11]			
* Liver		Hemangiosarcoma Hepatocellular Adenoma Syncytial Alteration	Multiple Mild
[Hemangiosarcoma TGLS = 3-9]			
[Hepatocellular Adenoma TGLS = 4-9]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 6-2]			
* Preputial Gland		Cyst	Moderate
[Cyst TGLS = 1-6]			
* Skin	Subcut Tiss SOA	Hemangiosarcoma Hyperkeratosis	Minimal
[Hemangiosarcoma TGLS = 5-10]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 129

TRT#: 5

SEX: Male

DAY ON TEST: 654

DOSE: 80 MG/KG

DISP: Natural Death

HISTO: 9202559

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Liver Hemangiosarcoma

Animal Note: TGL 5, is a subcutis hemangiosarcoma, not mammary tissue

Animal Note: COD multiple tumors in various organs

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 130

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202560

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Moderate Mild Moderate
* Liver		Hepatocellular Adenoma Syncytial Alteration	Multiple Mild
[Hepatocellular Adenoma TGLS = 2-1,9]			
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Moderate
[Hyperplasia TGLS = 3-10]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 131

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202561

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Mild Minimal Minimal
* Liver	Centrilobular	Cytoplasmic Alteration Hepatocellular Adenoma Syncytial Alteration	Mild Multiple Mild
	[Hepatocellular Adenoma TGLS = 1-1,2-9,3-10,4-10]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 132

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202562

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

Harderian Gland [Adenoma TGLS = 3-10]		Adenoma	
* Kidney [Nephropathy TGLS = 4-1]	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Mild Minimal Moderate
* Liver [Hepatocellular Adenoma TGLS = 5-9,6-12]		Hepatocellular Adenoma Syncytial Alteration	Multiple Mild
* Lung		Alveolar/Bronchiolar Adenoma	
* Preputial Gland [Cyst TGLS = 2-6]		Cyst	Mild
* Skin [Ulcer TGLS = 1-11]	SOA	Ulcer	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202563

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Pituitary Gland
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OBSERVATIONS

* Intestine Large, Cecum [Inflammation TGLS = 2-4]	Lymphoid Tiss	Inflammation	Chronic Active, Moderate
* Intestine Small, Jejunum		Carcinoma	
* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Minimal
[Hepatocellular Adenoma TGLS = 1-1,9]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 134

TRT#: 5

SEX: Male

DAY ON TEST: 667

DOSE: 80 MG/KG

DISP: Natural Death

HISTO: 9202564

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* 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	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Renal Tubule	Adenoma	Multiple
	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Mild
	Renal Tubule	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 2-9]		
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatoblastoma TGLS = 1-2]		
	[Hepatocellular Adenoma TGLS = 1-1,10]		
	[Hepatocellular Carcinoma TGLS = 1-1,10]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mesenteric		Congestion	Moderate
* Preputial Gland		Cyst	Moderate
	[Cyst TGLS = 3-6]		
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 134

TRT#: 5

SEX: Male

DAY ON TEST: 667

DOSE: 80 MG/KG

DISP: Natural Death

HISTO: 9202564

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Liver Hepatoblastoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 135

TRT#: 5

SEX: Male

DAY ON TEST: 558

DOSE: 80 MG/KG

DISP: Natural Death

HISTO: 9202565

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Prostate	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Parathyroid Gland
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INSUFFICIENT TISSUE

* Pituitary Gland

OBSERVATIONS

Harderian Gland		Adenoma	
* Kidney		Infiltration Cellular	Lymphocyte, Moderate
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLS = 1-1,2 3-10 6-9]		
	[Hepatocellular Carcinoma TGLS = 2-9]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatocellular Carcinoma TGLS = 4-2]		
* Preputial Gland		Cyst	Mild
	[Cyst TGLS = 5-6]		
* Salivary Glands	Duct	Cytoplasmic Alteration	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Lung Hepatocellular Carcinoma Liver

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202566

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Mild
		Nephropathy	Mild
* Liver	Centrilobular	Cytoplasmic Alteration	Mild
		Eosinophilic Focus	Minimal
		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Mild
	[Hepatocellular Adenoma TGLS = 1-1,2-9,3-10,4-11]		
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202567

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* 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
* Pituitary Gland	* Preputial Gland	* Prostate	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mesenteric	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Kidney	Glomerulus	Dilatation	Focal, Moderate
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Syncytial Alteration	Minimal
		[Hepatoblastoma TGLS = 3-11]	
		[Hepatocellular Adenoma TGLS = 3-1,11]	
		[Hepatocellular Carcinoma TGLS = 3-1,11]	
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
		[Alveolar/Bronchiolar Adenoma TGLS = 1-9,2-10]	
* Salivary Glands	Duct	Cytoplasmic Alteration	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 138

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202568

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Mild Minimal Mild
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma Syncytial Alteration	Multiple Mild
	[Hepatocellular Adenoma TGLS = 1-1,9] [Hepatocellular Carcinoma TGLS = 1-9]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 685

DOSE: 80 MG/KG

DISP: Natural Death

HISTO: 9202569

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Kidney	Glomerulus	Dilatation	Focal, Mild
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLS = 2-1,2,9]			
[Hepatocellular Carcinoma TGLS = 2-1,2,9]			
* Preputial Gland		Cyst	Moderate
[Cyst TGLS = 1-6]			
* Salivary Glands	Duct	Cytoplasmic Alteration	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202570

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Pituitary Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Kidney	Glomerulus	Dilatation	Focal, Minimal
		Inflammation	Chronic, Diffuse, Moderate
		Nephropathy	Moderate
[Inflammation TGLS = 2-1]			
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLS = 1-1,9]			
[Hepatocellular Carcinoma TGLS = 1-9]			
* Lung		Inflammation	Granulomatous, Diffuse, Moderate
[Inflammation TGLS = 3-2,4-2]			
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 699

DOSE: 80 MG/KG

DISP: Natural Death

HISTO: 9202571

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Kidney	Glomerulus	Dilatation	Focal, Mild
		Nephropathy	Moderate
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		[Hepatocellular Adenoma TGLS = 2-1,5-9]	
		[Hepatocellular Carcinoma TGLS = 1-1,3-9,4-9]	
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Necrosis	Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202572

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Mild
		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Centrilobular	Cytoplasmic Alteration	Mild
		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Minimal
[Hepatocellular Adenoma TGLS = 2-9 3-1,11]			
* Skin	SOA	Acanthosis	Moderate
	Subcut Tiss	Lipoma	
[Lipoma TGLS = 4-10]			
* Spleen		Hematopoietic Cell Proliferation	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 1, preputial within normal limits on micro

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202573

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Mild Mild Moderate
* Liver	Centrilobular	Cytoplasmic Alteration Hepatocellular Adenoma Syncytial Alteration	Minimal Multiple Minimal
	[Hepatocellular Adenoma TGLS = 1-1,9]		
* Lung	Alveolar Epith	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202574

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Mild
		Nephropathy	Mild
* Liver	Centrilobular	Cytoplasmic Alteration	Mild
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Syncytial Alteration	Mild
		[Hepatocellular Adenoma TGLS = 1-2,3-9]	
		[Hepatocellular Carcinoma TGLS = 1-2,2-9]	
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202575

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Gallbladder			
Note: on slide 9			
* Kidney	Renal Tubule	Adenoma	Multiple
	Cortex	Cyst	Moderate
	Glomerulus	Dilatation	Focal, Moderate
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Moderate
Note: one small adenoma is on slide 1, in the right kidney [Adenoma TGLS = 1-10,2-1]			
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 3-9,4-11]			
* Skin	SOA	Acanthosis	Minimal
	SOA	Hyperkeratosis	Minimal
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202576

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Kidney	Glomerulus	Dilatation Nephropathy	Focal, Mild Marked
Note: TGL 2 kidney nodule cut thru			
* Liver		Hepatoblastoma Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple Multiple
[Hepatoblastoma TGLS = 1-10]			
[Hepatocellular Adenoma TGLS = 1-1,10]			
[Hepatocellular Carcinoma TGLS = 1-1,10]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 633

DOSE: 80 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202577

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Bone Marrow		Hemangiosarcoma	
* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Mild
		Nephropathy	Minimal
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatoblastoma TGLS = 2-1]		
	[Hepatocellular Adenoma TGLS = 2-2]		
	[Hepatocellular Carcinoma TGLS = 2-1]		
* Lung		Hepatoblastoma	Metastatic (Liver)
	[Hepatoblastoma TGLS = 3-2]		
Skeletal Muscle		Hepatoblastoma	Metastatic (Liver)
	[Hepatoblastoma TGLS = 1-9]		
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH	- Liver Hepatoblastoma
CONTRIBUTORY CAUSE OF DEATH	- Lung Hepatoblastoma Liver

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 633

DOSE: 80 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202577

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202578

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Syncytial Alteration	Minimal
			[Hepatocellular Adenoma TGLS = 2-1,2,9]
			[Hepatocellular Carcinoma TGLS = 2-1,9]
* Preputial Gland		Cyst	Mild
			[Cyst TGLS = 1-6]
* Salivary Glands	Duct	Cytoplasmic Alteration	Minimal
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202579

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Syncytial Alteration	Mild
		[Hepatocellular Adenoma TGLS = 2-10]	
		[Hepatocellular Carcinoma TGLS = 1-9]	
* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202580

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney	Renal Tubule	Adenoma	
	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
	[Adenoma TGLS = 1-10]		
* Liver	Centrilobular	Cytoplasmic Alteration	Mild
		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Minimal
	[Hepatocellular Adenoma TGLS = 2-9,3-11]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 151

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202581

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney	Glomerulus	Dilatation Nephropathy	Focal, Minimal Mild
* Liver	Centrilobular	Cytoplasmic Alteration Eosinophilic Focus Hepatocellular Adenoma Syncytial Alteration	Mild Moderate Multiple Mild
	[Hepatocellular Adenoma TGLS = 3-1,2 4-10,5-11,1-9,2-1]		
* Preputial Gland		Cyst	Moderate
* Skin	SOA	Acanthosis	Minimal
* Thyroid Gland	Follicular Cel Follicular Cel	Adenoma Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 152

TRT#: 7

SEX: Male

DAY ON TEST: 660

DOSE: 160 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202582

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Pituitary Gland
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OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Mineralization	Mild
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Mild
	[Hepatocellular Adenoma TGLS = 3-1,2,10]		
* Salivary Glands	Duct	Cytoplasmic Alteration	Moderate
* Skin	SOA	Acanthosis	Mild
	SOA	Exudate	Mild
	Subcut Tiss	Fibroma	
	SOA	Hyperkeratosis	Mild
	[Acanthosis TGLS = 2-9]		
	[Fibroma TGLS = 1-11]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 152

TRT#: 7

SEX: Male

DAY ON TEST: 660

DOSE: 160 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202582

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 153

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202583

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mesenteric	* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy Hepatocellular Adenoma	Focal, Mild Minimal Mild Multiple
* Liver	[Hepatocellular Adenoma TGLS = 1-9, 2-1,10]		
* Lung	Note: tgl 3, 1x1mm focus cut thru, not on slide or in block		
* Salivary Glands	Duct	Cytoplasmic Alteration	Moderate
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 154

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202584

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Gallbladder	* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Kidney	Renal Tubule	Adenoma	
	Glomerulus	Dilatation	Focal, Minimal
	Renal Tubule	Mineralization	Mild
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 1-9]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Pituitary Gland	Pars Intermed	Adenoma	
* Salivary Glands	Duct	Cytoplasmic Alteration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 155

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202585

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Nose
* Pituitary Gland	* Prostate	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Parathyroid Gland	* Preputial Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Kidney	Glomerulus	Dilatation	Focal, Minimal
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
			[Hepatocellular Adenoma TGLS = 1-1,2,9]
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
* Salivary Glands	Duct	Cytoplasmic Alteration	Marked
* Skin	SOA	Hyperkeratosis	Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 156

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202586

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Kidney	Renal Tubule Renal Tubule	Hyperplasia Mineralization Nephropathy	Focal, Marked Minimal Minimal
* Liver	Centrilobular	Cytoplasmic Alteration Hepatocellular Adenoma Hepatocellular Carcinoma Syncytial Alteration	Mild Multiple Moderate
	[Hepatocellular Adenoma TGLS = 2-10] [Hepatocellular Carcinoma TGLS = 1-9]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-6]		
* Thyroid Gland	Follicular Cel Follicular Cel	Adenoma Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 157	TRT#: 7	SEX: Male	DAY ON TEST: 730
	DOSE: 160 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202587

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLS = 1-2,9]		
	[Hepatocellular Carcinoma TGLS = 1-1]		
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 158	TRT#: 7	SEX: Male	DAY ON TEST: 731
	DOSE: 160 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202588

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Cytoplasmic Alteration	Minimal
		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Syncytial Alteration	Minimal
	[Hepatocellular Adenoma TGLS = 1-9]		
	[Hepatocellular Carcinoma TGLS = 1-9]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 159 **TRT#:** 7 **SEX:** Male **DAY ON TEST:** 730
DOSE: 160 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 9202589

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Gallbladder	* Lymph Node, Mandibular	* Mammary Gland	* Pituitary Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Kidney	Renal Tubule	Carcinoma	
	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
[Carcinoma TGLS = 3-10]			
* Liver	Centrilobular	Clear Cell Focus	Minimal
		Cytoplasmic Alteration	Mild
		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Mild
[Hepatocellular Adenoma TGLS = 1-11]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 2-9]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 160

TRT#: 7

SEX: Male

DAY ON TEST: 598

DOSE: 160 MG/KG

DISP: Natural Death

HISTO: 9202590

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mesenteric	* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney	Glomerulus	Dilatation	Focal, Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLS = 2-1,2 1-1 3-9 4-10]		
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 161

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202591

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Cytoplasmic Alteration	Mild
		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Minimal
	[Hepatocellular Adenoma TGLS = 1-9,2-10]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 162

TRT#: 7

SEX: Male

DAY ON TEST: 719

DOSE: 160 MG/KG

DISP: Natural Death

HISTO: 9202592

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Pituitary Gland	* Preputial Gland	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Bone	Vertebra	Osteosarcoma	
Note: the mass appears to arise from the vertebra dorsal spine. [Osteosarcoma TGLS = 1-9]			
* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Osteosarcoma	Metastatic (Bone)
		Syncytial Alteration	Mild
[Hepatocellular Adenoma TGLS = 4-10,5-1] [Hepatocellular Carcinoma TGLS = 3-1] [Osteosarcoma TGLS = 6-1]			
* Lung		Osteosarcoma	Metastatic (Bone)
[Osteosarcoma TGLS = 2-2]			
* Prostate		Inflammation	Chronic Active, Moderate
* Salivary Glands	Duct	Cytoplasmic Alteration	Mild
* Skin	SOA, Subcut Tiss	Osteosarcoma	Metastatic (Bone)
[Osteosarcoma TGLS = 1-9]			
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 162	TRT#: 7	SEX: Male	DAY ON TEST: 719
	DOSE: 160 MG/KG	DISP: Natural Death	HISTO: 9202592

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Bone Vertebra Osteosarcoma

CONTRIBUTORY CAUSE OF DEATH - Lung Osteosarcoma Bone

Animal Note: COD osteosarcoma from vertebral spine

Animal Note: the osteosarcoma appears to arise from the vertebra dorsal spine

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 163

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202593

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland * Thymus

OBSERVATIONS

* Kidney	Glomerulus	Dilatation Nephropathy	Diffuse, Mild Moderate
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple Multiple
	[Hepatocellular Adenoma TGLS = 4-1,5-11] [Hepatocellular Carcinoma TGLS = 2-1,3-10]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 6-9]		
* Preputial Gland		Inflammation	Chronic Active, Moderate
	[Inflammation TGLS = 1-6]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Urin Bladder			

Note: located on slide number 2

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 164

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202594

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Moderate
* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Cytoplasmic Alteration	Moderate
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Syncytial Alteration	Minimal
	[Hepatocellular Adenoma TGLS = 1-1]		
	[Hepatocellular Carcinoma TGLS = 1-9]		
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 165	TRT#: 7	SEX: Male	DAY ON TEST: 730
	DOSE: 160 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202595

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* 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
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Gallbladder	* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Minimal Minimal Mild
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-1,9] [Hepatocellular Carcinoma TGLS = 1-9]		
* Lymph Node, Mesenteric		Necrosis	Mild
* Skin	SOA SOA	Acanthosis Hyperkeratosis	Mild Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethanolamine

CAS Number: 111-42-2

Date Report Requested: 10/16/2014

Time Report Requested: 15:15:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 166

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202596

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* 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	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Kidney	Glomerulus	Dilatation	Focal, Minimal
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Cytoplasmic Alteration	Mild
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Syncytial Alteration	Mild
		[Hepatocellular Adenoma TGLS = 2-1,10]	
		[Hepatocellular Carcinoma TGLS = 1-9,2-10]	
* Lymph Node, Mandibular		Necrosis	Mild
* Lymph Node, Mesenteric		Necrosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 167

TRT#: 7

SEX: Male

DAY ON TEST: 386

DOSE: 160 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202597

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Parathyroid Gland	Peripheral Nerve
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland * Thymus

OBSERVATIONS

* Kidney		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Mild
	[Vacuolization Cytoplasmic TGLS = 1-1]		
* Liver		Eosinophilic Focus	Multiple
		Hepatocellular Adenoma	Moderate
		Syncytial Alteration	
	[Eosinophilic Focus TGLS = 2-1]		
	[Hepatocellular Adenoma TGLS = 3-13]		
* Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: moribund sac due to undetermined cause

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 168

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202598

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Prostate
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Heart	Atrium	Thrombosis	Moderate
* Kidney		Nephropathy	Marked
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
			[Hepatocellular Adenoma TGLS = 2-10]
			[Hepatocellular Carcinoma TGLS = 1-9,2-10]
* Preputial Gland		Cyst	Mild
* Salivary Glands	Duct	Cytoplasmic Alteration	Mild
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 169

TRT#: 7

SEX: Male

DAY ON TEST: 696

DOSE: 160 MG/KG

DISP: Natural Death

HISTO: 9202599

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Minimal Minimal Mild
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLS = 1-2] [Hepatocellular Carcinoma TGLS = 1-1,2,9]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatocellular Carcinoma TGLS = 2-2]		
* Salivary Glands	Duct	Cytoplasmic Alteration	Moderate
* Skin	SOA SOA	Exudate Hyperkeratosis	Minimal Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 170

TRT#: 7

SEX: Male

DAY ON TEST: 700

DOSE: 160 MG/KG

DISP: Natural Death

HISTO: 9202600

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Renal Tubule	Mineralization	Minimal
* Liver		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Carcinoma TGLS = 2-1,2]		
* Preputial Gland		Cyst	Mild
* Salivary Glands	Duct	Cytoplasmic Alteration	Mild
* Skin	SOA	Hyperkeratosis	Minimal

Note: TGL 1, skin laceration not apparent on micro

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 171

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202601

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Prostate	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Pituitary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
Harderian Gland		Carcinoma	
[Carcinoma TGLS = 1-9]			
* Kidney	Glomerulus	Dilatation	Focal, Moderate
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 3-1]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Preputial Gland		Cyst	Mild
* Salivary Glands	Duct	Cytoplasmic Alteration	Mild
* Skin	Subcut Tiss	Hemangiosarcoma	
	SOA	Hyperkeratosis	Minimal
	SOA	Inflammation	Chronic, Minimal
[Hemangiosarcoma TGLS = 2-10]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 172

TRT#: 7

SEX: Male

DAY ON TEST: 540

DOSE: 160 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202602

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Hyperplasia	Focal, Moderate
	Renal Tubule	Mineralization	Mild
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Syncytial Alteration	Mild
		[Hepatocellular Adenoma TGLS = 2-9,5-9]	
		[Hepatocellular Carcinoma TGLS = 1-1,2-9,3-1]	
* Lung	Alveolar Epith	Hyperplasia	Mild
		[Hyperplasia TGLS = 4-10]	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Necrosis	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 173

TRT#: 7

SEX: Male

DAY ON TEST: 719

DOSE: 160 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202603

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Pituitary Gland	* Preputial Gland	* Prostate	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Heart [Thrombosis TGLS = 3-2]	Atrium	Thrombosis	Marked
* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Minimal Mild Mild
* Liver [Hepatocellular Adenoma TGLS = 1-1,2] [Hepatocellular Carcinoma TGLS = 1-1]		Hepatocellular Adenoma Hepatocellular Carcinoma Syncytial Alteration	Multiple Mild
* Lymph Node, Mesenteric Note: pancreatic Ly. Nd, substituted for mesenteric which could not be found.		Necrosis	Moderate
* Salivary Glands	Duct	Cytoplasmic Alteration	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tissue NOS Note: this tissue was taken as inguinal lymph node but is probably bulbourethral gland [Abscess TGLS = 2-9]	Pelvic	Abscess	Marked

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 173

TRT#: 7

SEX: Male

DAY ON TEST: 719

DOSE: 160 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202603

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 175

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202605

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Hyperplasia Nephropathy	Focal, Moderate Focal, Minimal Marked
* Liver	Centrilobular	Cytoplasmic Alteration Hepatocellular Adenoma Hepatocellular Carcinoma	Mild Multiple Multiple
	[Hepatocellular Adenoma TGLS = 1-1,9] [Hepatocellular Carcinoma TGLS = 1-1,9]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 176

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202606

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Kidney	Glomerulus	Dilatation	Focal, Minimal
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Clear Cell Focus	
		Cytoplasmic Alteration	Mild
		Eosinophilic Focus	Moderate
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Syncytial Alteration	Mild
		[Hepatocellular Adenoma TGLS = 2-1]	
		[Hepatocellular Carcinoma TGLS = 1-9]	
* Lung			
		Note: TGL 3 lung focus cut thru	
* Skin	SOA	Hyperkeratosis	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 177

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202607

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Pituitary Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

Blood Vessel Note: pancreatic artery	Adventitia	Inflammation	Chronic, Mild
* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Mild Minimal Minimal
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple Multiple
			[Hepatocellular Adenoma TGLS = 1-1,9] [Hepatocellular Carcinoma TGLS = 1-1,9]
* Lung		Alveolar/Bronchiolar Adenoma	
			[Alveolar/Bronchiolar Adenoma TGLS = 2-10]
* Salivary Glands	Duct	Cytoplasmic Alteration	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 178 **TRT#:** 7 **SEX:** Male **DAY ON TEST:** 723
DOSE: 160 MG/KG **DISP:** Moribund Sacrifice **HISTO:** 9202608

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Pituitary Gland	* Prostate	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Heart	Atrium	Thrombosis	Marked
[Thrombosis TGLS = 5-2]			
* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver	Hepatocellular Adenoma		Multiple
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLS = 4-1,2,9]			
[Hepatocellular Carcinoma TGLS = 4-1,9]			
* Lung	Hepatocellular Carcinoma		Metastatic (Liver)
* Preputial Gland	Cyst		Moderate
[Cyst TGLS = 3-6]			
* Salivary Glands	Duct	Cytoplasmic Alteration	Moderate
* Skin	Dermis	Fibrosis	Mild
		Hyperkeratosis	Minimal
		Hyperkeratosis	Minimal
[Fibrosis TGLS = 2-10]			
[Hyperkeratosis TGLS = 1-10]			
* Spleen	Hematopoietic Cell Proliferation		Mild
* Thymus	Atrophy		Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 178

TRT#: 7

SEX: Male

DAY ON TEST: 723

DOSE: 160 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202608

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Heart Atrium Thrombosis

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 179

TRT#: 7

SEX: Male

DAY ON TEST: 717

DOSE: 160 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202609

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

* Intestine Large, Rectum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
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OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy Hepatocellular Adenoma	Focal, Mild Minimal Minimal Multiple
* Liver	[Hepatocellular Adenoma TGLS = 2-1,2,9]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Cyst	Moderate
	[Cyst TGLS = 1-6]		
* Salivary Glands	Duct	Cytoplasmic Alteration	Marked
* Skin	SOA SOA SOA	Acanthosis Exudate Hyperkeratosis	Mild Minimal Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 180 **TRT#:** 7 **SEX:** Male **DAY ON TEST:** 730
DOSE: 160 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 9202610

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Pituitary Gland	* Prostate	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mesenteric	* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Moderate
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
[Adenoma TGLS = 3-10]			
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Hepatoblastoma TGLS = 2-2]			
[Hepatocellular Adenoma TGLS = 2-9]			
[Hepatocellular Carcinoma TGLS = 2-1,9]			
* Preputial Gland		Cyst	Mild
[Cyst TGLS = 1-6]			
* Salivary Glands	Duct	Cytoplasmic Alteration	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 181

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202611

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Renal Tubule Glomerulus Renal Tubule	Carcinoma Dilatation Mineralization Nephropathy	Focal, Mild Minimal Mild
[Carcinoma TGLS = 2-1]			
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma Syncytial Alteration	Multiple Mild
[Hepatocellular Adenoma TGLS = 1-1,9]			
[Hepatocellular Carcinoma TGLS = 1-1]			
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Minimal
[Hyperplasia TGLS = 3-10]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 182 **TRT#:** 7 **SEX:** Male **DAY ON TEST:** 706
DOSE: 160 MG/KG **DISP:** Natural Death **HISTO:** 9202612

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Gallbladder
* 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	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Pituitary Gland
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OBSERVATIONS

* Epididymis		Granuloma Sperm	Moderate
* Kidney	Renal Tubule	Mineralization	Mild
		Nephropathy	Moderate
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Syncytial Alteration	Mild
		[Hepatoblastoma TGLS = 2-9 4-11 5-12]	
		[Hepatocellular Adenoma TGLS = 2-9,3-10,4-11,5-12]	
		[Hepatocellular Carcinoma TGLS = 2-9]	
* Lung		Hepatoblastoma	Metastatic (Liver)
* Pancreas	Acinus	Cytoplasmic Alteration	Mild
* Preputial Gland		Cyst	Mild
		[Cyst TGLS = 1-6]	
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Necrosis	Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma
CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 182

TRT#: 7

SEX: Male

DAY ON TEST: 706

DOSE: 160 MG/KG

DISP: Natural Death

HISTO: 9202612

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 183

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202613

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Cytoplasmic Alteration	Mild
		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Mild
	[Hepatocellular Adenoma TGLS = 1-9 2-1,10]		
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 184

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202614

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Preputial Gland	* Prostate	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Thymus			

OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy Hepatocellular Adenoma	Focal, Mild Minimal Mild Multiple
* Liver	[Hepatocellular Adenoma TGLS = 1-9 2-1,10]		
* Salivary Glands	Duct	Cytoplasmic Alteration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 185

TRT#: 7

SEX: Male

DAY ON TEST: 606

DOSE: 160 MG/KG

DISP: Natural Death

HISTO: 9202615

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Moderate Minimal Mild
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma Syncytial Alteration	Multiple Multiple Mild
	[Hepatocellular Adenoma TGLS = 1-9,10,11] [Hepatocellular Carcinoma TGLS = 1-9,12]		
* Lymph Node, Mesenteric		Necrosis	Mild
* Pancreas	Acinus	Cytoplasmic Alteration	Mild
* Preputial Gland		Cyst	Moderate
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 186

TRT#: 7

SEX: Male

DAY ON TEST: 716

DOSE: 160 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202616

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Prostate	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Pituitary Gland
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OBSERVATIONS

* Heart	Atrium	Thrombosis	Marked
[Thrombosis TGLS = 5-2.1]			
* Kidney	Renal Tubule	Adenoma	
	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
[Adenoma TGLS = 3-10]			
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Hepatoblastoma TGLS = 4-9]			
[Hepatocellular Adenoma TGLS = 4-1,2,9]			
[Hepatocellular Carcinoma TGLS = 4-1,2,9]			
* Lymph Node, Mesenteric		Necrosis	Moderate
Note: pancreatic node substituted for mesenteric node.			
* Preputial Gland		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 2-6]			
* Salivary Glands	Duct	Cytoplasmic Alteration	Moderate
* Skin	Subcut Tiss	Edema	Moderate
[Edema TGLS = 1-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 186	TRT#: 7	SEX: Male	DAY ON TEST: 716
	DOSE: 160 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202616

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 187

TRT#: 7

SEX: Male

DAY ON TEST: 719

DOSE: 160 MG/KG

DISP: Natural Death

HISTO: 9202617

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* 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	* Pituitary Gland	* Prostate	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		[Hepatocellular Adenoma TGLS = 3-1]	
		[Hepatocellular Carcinoma TGLS = 3-10,11]	
* Preputial Gland		Cyst	Mild
		[Cyst TGLS = 2-6]	
* Salivary Glands	Duct	Cytoplasmic Alteration	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: tgl1, skin laceration not apparent on micro

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 188

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202618

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

* Gallbladder	* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 1-1]			
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 2-1,9]		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 2-1,9]			
* Lym Node Mesen			
Note: tgl 3, mesenteric lymph node within normal limits on micro			
* Salivary Glands	Duct	Cytoplasmic Alteration	Mild
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 230

DOSE: 160 MG/KG

DISP: Accidentally Killed

HISTO: 9202619

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Gallbladder	* 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	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Hypertrophy	Focal, Mild
* Brain	Hemorrhage	Moderate
[Hemorrhage TGLS = 1-3]		
* Kidney	Nephropathy	Minimal
* Liver	Syncytial Alteration	Moderate

PRIMARY CAUSE OF DEATH

- Brain Hemorrhage

Animal Note: accidental death

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 190

TRT#: 7

SEX: Male

DAY ON TEST: 446

DOSE: 160 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202620

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Gallbladder	* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Liver	Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 1-1,9]		
* Lung	Hepatocellular Carcinoma	Metastatic (Liver)
* Spleen	Hematopoietic Cell Proliferation	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202621

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Mild Minimal Minimal
* Liver		Hepatocellular Adenoma Syncytial Alteration	Multiple Mild
[Hepatocellular Adenoma TGLS = 2-9 3-1,10]			
* Pituitary Gland	Pars Intermed	Adenoma	
[Adenoma TGLS = 1-7]			
* Salivary Glands	Duct	Cytoplasmic Alteration	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 684

DOSE: 160 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Pituitary Gland
* Prostate	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

Blood Vessel	* Mammary Gland
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OBSERVATIONS

* Heart	Atrium	Thrombosis	Marked
[Thrombosis TGLS = 7-2]			
* Kidney	Renal Tubule	Adenoma	
	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Hemosiderin, Mild
[Adenoma TGLS = 6-9]			
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Hepatoblastoma TGLS = 3-1]			
[Hepatocellular Adenoma TGLS = 1-9,4-10,8-10]			
[Hepatocellular Carcinoma TGLS = 2-2,3-1,5-11]			
* Lung		Hepatoblastoma	Metastatic (Liver)
* Lymph Node, Mesenteric		Necrosis	Moderate
Note: pancreatic node substituted for mesenteric node			
* Preputial Gland		Cyst	Mild
* Salivary Glands	Duct	Cytoplasmic Alteration	Moderate
* Skin	SOA	Hyperkeratosis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 192	TRT#: 7	SEX: Male	DAY ON TEST: 684
	DOSE: 160 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202622

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 193 **TRT#:** 7 **SEX:** Male **DAY ON TEST:** 730
DOSE: 160 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 9202623

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mesenteric	* Mammary Gland
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OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Minimal Minimal Minimal
* Liver	Centrilobular	Cytoplasmic Alteration Eosinophilic Focus Hepatocellular Adenoma Hepatocellular Carcinoma Syncytial Alteration	Mild Multiple, Mild Multiple Multiple Mild
	[Hepatocellular Adenoma TGLS = 4-1,9] [Hepatocellular Carcinoma TGLS = 1-1 2-9]		
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-6]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 194

TRT#: 7

SEX: Male

DAY ON TEST: 634

DOSE: 160 MG/KG

DISP: Natural Death

HISTO: 9202624

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney	Renal Tubule	Mineralization	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Syncytial Alteration	Minimal
		[Hepatocellular Adenoma TGLS = 1-1,9,10]	
		[Hepatocellular Carcinoma TGLS = 1-1,9,10]	
* Salivary Glands	Duct	Cytoplasmic Alteration	Marked
* Skin	SOA	Hyperkeratosis	Minimal
* Stomach, Glandular	Epithelium	Hyperplasia	Focal, Mild
		[Hyperplasia TGLS = 3-11]	
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 195

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202625

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* 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	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mesenteric	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Kidney	Glomerulus	Dilatation	Focal, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-1,9 2-10]		
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202626

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Pituitary Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

* Gallbladder	* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney	Glomerulus	Dilatation	Focal, Minimal
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatoblastoma TGLS = 1-9]		
	[Hepatocellular Adenoma TGLS = 1-1]		
	[Hepatocellular Carcinoma TGLS = 1-9]		
* Lung		Hepatoblastoma	Metastatic (Liver)
* Salivary Glands	Duct	Cytoplasmic Alteration	Moderate
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 197	TRT#: 7	SEX: Male	DAY ON TEST: 731
	DOSE: 160 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202627

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Intestine Small, Jejunum [Lymphoma Malignant TGLS = 2-10]	Peyers Patch	Lymphoma Malignant	
* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Moderate Minimal Mild
* Liver [Hepatocellular Adenoma TGLS = 1-9]		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 198

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202628

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mesenteric	* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney	Glomerulus Renal Tubule	Dilatation Mineralization Nephropathy	Focal, Minimal Minimal Mild
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-9] [Hepatocellular Carcinoma TGLS = 1-9]		
* Preputial Gland		Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Glandular	Epithelium	Hyperplasia	Focal, Mild
	[Hyperplasia TGLS = 2-10]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 199 **TRT#:** 7 **SEX:** Male **DAY ON TEST:** 674
DOSE: 160 MG/KG **DISP:** Moribund Sacrifice **HISTO:** 9202629

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Parathyroid Gland	* Prostate	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Intestine Large, Rectum	* Lymph Node, Mesenteric	* Mammary Gland	* Pituitary Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart	Atrium	Thrombosis	Marked
* Kidney	Glomerulus	Dilatation	Focal, Moderate
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-9]		
	[Hepatocellular Carcinoma TGLS = 1-1,2,9]		
* Lymph Node, Mandibular		Necrosis	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Salivary Glands	Duct	Cytoplasmic Alteration	Moderate
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 605

DOSE: 160 MG/KG

DISP: Natural Death

HISTO: 9202630

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Moderate
Note: TGL 5, nodule cut thru, NCL [Hepatocellular Adenoma TGLS = 2-1,3-9,4-9]			
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Adenoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 201

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 9202631

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLS = 3-9]		
	[Hepatocellular Carcinoma TGLS = 2-8]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-7]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 202	TRT#: 2	SEX: Female	DAY ON TEST: 733
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202632

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 3-9,2-1]			
* Mammary Gland			
Note: small amount of mammary gland on clitoral gland			
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	SOA, Subcut Tiss	Sarcoma	
Note: appears to be myxosarcoma			
[Sarcoma TGLS = 1-8]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 203

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202633

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-8]			
* Ovary		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 1-6]			

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 3, nodule not on slide or in block, cut thru.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 204

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 9202634

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* 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
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 1-8]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 205	TRT#: 2	SEX: Female	DAY ON TEST: 732
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202635

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 1-8,2-9]			
* Ovary		Atrophy	Minimal
* Pituitary Gland	Pars Intermed	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethanolamine

CAS Number: 111-42-2

Date Report Requested: 10/16/2014

Time Report Requested: 15:15:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 206

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202636

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Gallbladder | * 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 | * Pancreas | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|----------|---|------------------------|--------------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | [Hepatocellular Adenoma TGLS = 1-1,2-8] | | |
| * Ovary | | Atrophy | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 207

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO: 9202637

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-1]			
* Ovary		Atrophy	Mild
		Hemangioma	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-6]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 208

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202638

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Myelofibrosis	Mild
* Intestine Small, Jejunum	Peyers Patch	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 2-9]			
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 3-1]			
* Lung		Alveolar/Bronchiolar Carcinoma	
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 4-4]			
Mesentery	Fat	Inflammation	Chronic, Mild
[Inflammation TGLS = 1-8]			
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 209

TRT#: 2

SEX: Female

DAY ON TEST: 692

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202639

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Histiocytic Sarcoma	
* Lymph Node, Mesenteric		Necrosis	Moderate
Note: pancreatic node substituted for mesenteric			
* Ovary		Atrophy	Moderate
* Salivary Glands	Duct	Cytoplasmic Alteration	Moderate
* Thymus		Atrophy	Moderate
* Uterus	Cervix	Histiocytic Sarcoma	
	Endometrium	Hyperplasia	Cystic, Mild

[Histiocytic Sarcoma TGLS = 1-8]

PRIMARY CAUSE OF DEATH

- Uterus Cervix Histiocytic Sarcoma

Animal Note: COD histiocytic sarcoma in cervix

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 210

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202640

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-1,2-8,3-9]		
* Ovary		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 211	TRT#: 2	SEX: Female	DAY ON TEST: 733
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202641

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	Subcut Tiss	Hemangiosarcoma	
[Hemangiosarcoma TGLS = 2-8]			
* Spleen		Hemangiosarcoma	
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-6]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 212

TRT#: 2

SEX: Female

DAY ON TEST: 508

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202642

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
Lymph Node	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 2-8]			
* Skin	Sebaceous GI, Subcut Tiss	Squamous Cell Carcinoma	
Note: tumor appears to be in para-anal gland			
[Squamous Cell Carcinoma TGLS = 1-9]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Skin Sebaceous GI Subcut Tiss Squamous Cell Carcinoma

Animal Note: moribund sac due to para-anal gland tumor

Animal Note: tumor appears to be in para-anal area

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 213

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202643

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 1-8,2-9,3-10]			
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 4-11]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 214

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202644

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 1-8]			
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 215	TRT#: 2	SEX: Female	DAY ON TEST: 731
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202645

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* 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	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Hemangioma	
		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLS = 1-8]		
* Ovary		Atrophy	Moderate
		Hemangioma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Hyperplasia	Lymphoid, Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 216

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202646

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Ovary		Atrophy	Moderate
		Thrombosis	Marked
	[Thrombosis TGLS = 1-6]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 217	TRT#: 2	SEX: Female	DAY ON TEST: 732
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202647

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* 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	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Nephropathy	Minimal
Lymph Node	Mediastinal	Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Atrophy	Mild
* Spleen		Lymphoma Malignant	
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 218

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 9202648

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Brain	Cerebrum	Cyst Epithelial Inclusion	
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		[Hepatocellular Adenoma TGLS = 2-1]	
		[Hepatocellular Carcinoma TGLS = 1-1]	
Mesentery	Fat	Inflammation	Chronic, Moderate
		[Inflammation TGLS = 4-8]	
* Ovary		Atrophy	Moderate
		Hemangioma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 219

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 9202649

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 1-1,2-8,3-9]			
* Ovary		Atrophy	Moderate
Tooth		Developmental Malformation	
* Uterus		Adenoma	
	Endometrium	Hyperplasia	Cystic, Moderate
		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 220

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202650

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* 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	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Moderate
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 1-1]			
* Ovary		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 221

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO: 9202651

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 5-1]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
	Pancreatic	Inflammation	Granulomatous, Marked
[Hyperplasia TGLS = 3-8]			
[Inflammation TGLS = 2-9]			
* Ovary	Periovarn Tiss	Inflammation	Granulomatous, Moderate
[Inflammation TGLS = 4-6]			
* Pancreas		Inflammation	Granulomatous, Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Skeletal Muscle		Inflammation	Granulomatous, Marked
[Inflammation TGLS = 6-10]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 1-1]			
* Thyroid Gland	Follicular Cel	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: thymus on slide 8

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 222

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202652

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 3-8]			
* Ovary		Atrophy	Mild
	Follicle	Cyst	Moderate
[Cyst TGLS = 1-6]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 2-6]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 223

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202653

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Clitoral Gland

OBSERVATIONS

* Intestine Small, Jejunum [Hyperplasia TGLS = 2-4]	Peyers Patch	Hyperplasia	Lymphoid, Moderate
* Liver [Hepatocellular Adenoma TGLS = 3-8,4-1,5-9]		Hepatocellular Adenoma	Multiple
* Lung		Alveolar/Bronchiolar Adenoma	
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 1, thin walled ovarian cyst could not be located in wet tissue

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 224

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO: 9202654

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* 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	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
[Eosinophilic Focus TGLS = 2-1]			
* Ovary		Atrophy	Moderate
[Cystadenoma TGLS = 1-6]		Cystadenoma	
* Pancreas	Acinus	Cytoplasmic Alteration	Focal, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 225

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202655

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-1]			
* Ovary		Atrophy	Mild
	Follicle	Cyst	Mild
[Cyst TGLS = 1-6]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 226

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 674
HISTO: 9202656

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Gallbladder
* Heart	* 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	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Clitoral Gland

OBSERVATIONS

* Kidney		Lymphoma Malignant	
* Liver		Hepatocellular Adenoma	
		Lymphoma Malignant	
[Hepatocellular Adenoma TGLS = 8-8]			
Lymph Node		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 2-7,5-8,6-9]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 1-3]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 7-4]			
* Ovary	Follicle	Cyst	Moderate
		Lymphoma Malignant	
[Cyst TGLS = 4-6]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 3-1]			
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Mild
Note: multiple nodules			
[Hyperplasia TGLS = 9-10]			
* Thymus		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 226	TRT#: 2	SEX: Female	DAY ON TEST: 674
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202656

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Endometrium	Hyperplasia Lymphoma Malignant	Cystic, Mild
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PRIMARY CAUSE OF DEATH - Lymph Node, Mandibular Lymphoma Malignant

Animal Note: moribund sac due to malignant lymphoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 227

TRT#: 2

SEX: Female

DAY ON TEST: 576

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202657

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* 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	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Lymphoma Malignant	
* Brain		Lymphoma Malignant	
* Clitoral Gland		Lymphoma Malignant	
* Kidney	Cortex	Infarct	Mild
* Liver		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 7-1,2]			
* Lung		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 10-2]			
Lymph Node		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 4-7,5-10,6-11]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 1-3]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 8-4]			
Mesentery		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 2-9]			
* Ovary		Lymphoma Malignant	
* Salivary Glands		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 3-8]			
* Thymus		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 227	TRT#: 2	SEX: Female	DAY ON TEST: 576
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202657

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Angiectasis	Marked
	Hyperplasia	Minimal
	Lymphoma Malignant	

[Lymphoma Malignant TGLS = 9-6]

PRIMARY CAUSE OF DEATH - Lymph Node, Mandibular Lymphoma Malignant

Animal Note: moribund sac due to malignant lymphoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 228

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 9202658

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Clitoral Gland

OBSERVATIONS

* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 3-8]			
* Mammary Gland		Hyperplasia	Mild
* Ovary		Atrophy	Mild
	Follicle	Cyst	Marked
[Cyst TGLS = 1-6]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-7]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 229

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202659

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-8]			
* Ovary		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Polyp Stromal TGLS = 1-6]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 230

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202660

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 2-8,3-8,4-9]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Ovary		Atrophy	Moderate
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 1-1]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 231

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202661

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver		Eosinophilic Focus	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Atrophy	Minimal
* Thymus		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 232

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202662

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* 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	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Lymphoma Malignant	
		Vacuolization Cytoplasmic	Focal, Mild
* Kidney		Metaplasia	Osseous, Focal, Mild
* Liver		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 1-11,10-8]			
* Lung		Lymphoma Malignant	
Lymph Node	Pancreatic	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 8-15]			
[Lymphoma Malignant TGLS = 6-1]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 7-14]			
Mesentery	Fat	Inflammation	Chronic, Moderate
		Lymphoma Malignant	
[Inflammation TGLS = 2-12]			
[Lymphoma Malignant TGLS = 2-13,3-10]			
* Ovary		Atrophy	Moderate
		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 11-6]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 232	TRT#: 2	SEX: Female	DAY ON TEST: 732
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202662

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLS = 4-9]			
* Thymus		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 9-7]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 5-6]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 233

TRT#: 2

SEX: Female

DAY ON TEST: 659

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202663

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Diffuse, Marked
* Liver		Necrosis	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Marked
* Lung		Alveolar/Bronchiolar Carcinoma	
* Lymph Node, Mandibular		Necrosis	Moderate
* Lymph Node, Mesenteric		Necrosis	Moderate
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Intermed	Adenoma	
[Adenoma TGLS = 1-7]			
* Spleen		Pigmentation	Hemosiderin, Diffuse, Moderate
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Intermed Adenoma

Animal Note: moribund sac due to pituitary mass

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 234	TRT#: 2	SEX: Female	DAY ON TEST: 731
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202664

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 2-1,3-8]			
* Ovary		Atrophy	Moderate
	Follicle	Cyst	Moderate
[Cyst TGLS = 1-6]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 235	TRT#: 2	SEX: Female	DAY ON TEST: 733
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202665

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
[Eosinophilic Focus TGLS = 2-8]			
* Ovary		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Polyp Stromal	
[Hyperplasia TGLS = 1-6]			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 236

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202666

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Intestine Small, Jejunum [Lymphoma Malignant TGLS = 3-9]	Peyers Patch	Lymphoma Malignant	
* Kidney		Nephropathy	Minimal
* Liver [Hepatocellular Adenoma TGLS = 2-8]		Hepatocellular Adenoma	Multiple
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mesenteric [Lymphoma Malignant TGLS = 1-9]		Lymphoma Malignant	
* Ovary		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Lymphoma Malignant	
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 237

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202667

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

Animal Note: aorta in slide 2

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 238	TRT#: 2	SEX: Female	DAY ON TEST: 732
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202668

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Gallbladder	* Ovary
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OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 239	TRT#: 2	SEX: Female	DAY ON TEST: 733
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202669

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* 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	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLS = 2-8,3-8]		
* Lung	Alveolar Epith	Hyperplasia	Mild
* Ovary		Atrophy	Mild
	Follicle	Cyst	Moderate
	[Cyst TGLS = 1-6]		
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 240

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202670

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Metaplasia	Osseous, Focal, Mild
* Ovary		Atrophy	Moderate
	Follicle	Cyst	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 241	TRT#: 2	SEX: Female	DAY ON TEST: 732
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202671

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex	Zona Reticul	Pigmentation	Mild
* Brain		Hydrocephalus	Moderate
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 1-1,2]			
* Ovary		Atrophy	Moderate
	Follicle	Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-7]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Marked
[Adenoma TGLS = 2-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 242

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202672

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hemangiosarcoma	
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 2-10]			
Lymph Node	Inguinal	Sarcoma	
[Sarcoma TGLS = 1-9]			
* Ovary		Atrophy	Moderate
	Follicle	Cyst	Mild
* Spleen		Hemangiosarcoma	
[Hemangiosarcoma TGLS = 3-8]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 243	TRT#: 2	SEX: Female	DAY ON TEST: 732
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202673

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 1-8]			
Lymph Node	Mediastinal	Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Atrophy	Mild
* Spleen		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 244

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202674

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 245	TRT#: 2	SEX: Female	DAY ON TEST: 732
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202675

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	Lacrimal Gland	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 2-8,3-8]		
	[Hepatocellular Carcinoma TGLS = 1-9]		
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Adenoma	Moderate
	Follicular Cel	Hyperplasia	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 246

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO: 9202676

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 3-1]			
* Ovary	Follicle	Cyst	Marked
[Cyst TGLS = 1-6]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 2-6]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 247

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 729
HISTO: 9202677

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Uterus			

MISSING

* Clitoral Gland	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Amyloid Deposition	Moderate
		Lymphoma Malignant	
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Intestine Small, Jejunum	Peyers Patch	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 10-8]			
* Kidney	Glomerulus	Amyloid Deposition	Moderate
	Cortex	Cyst	Moderate
		Nephropathy	Marked
[Cyst TGLS = 5-1]			
* Liver	Kupffer Cell, Periportal	Amyloid Deposition	Moderate
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[Amyloid Deposition TGLS = 9-10,8-11]			
[Hepatocellular Adenoma TGLS = 8-11]			
[Hepatocellular Carcinoma TGLS = 7-1]			
Lymph Node	Lumbar	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 4-9]			
[Lymphoma Malignant TGLS = 6-10]			
* Lymph Node, Mesenteric		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 247	TRT#: 2	SEX: Female	DAY ON TEST: 729
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 9202677

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLS = 2-9]			
* Ovary		Atrophy	Moderate
		Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 1-1]			
* Thymus		Lymphoma Malignant	
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
* Urinary Bladder		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 3-8]			

PRIMARY CAUSE OF DEATH - Lymph Node, Mesenteric Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 248

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO: 9202678

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
Harderian Gland		Adenoma	
[Adenoma TGLS = 1-8]			
* Intestine Small, Jejunum	Peyers Patch	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 3-9]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Ovary		Atrophy	Moderate
* Spleen		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 2-6]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 249

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 9202679

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* 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	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-1]			
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-8]			
* Ovary		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 1, the mass is mammary gland not muscle

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 250

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202680

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Marked
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 2-8]			
* Ovary		Cystadenoma	
[Cystadenoma TGLS = 1-6]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 251

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202681

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Lymphoma Malignant	
[Hepatocellular Adenoma TGLS = 1-8]			
* Ovary		Atrophy	Moderate
	Periovarn Tiss	Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Lymphoma Malignant	
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 252

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202682

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 1-8]			
* Ovary	Follicle	Atrophy	Moderate
		Cyst	Mild
		Hematopoietic Cell Proliferation	Minimal
* Spleen		Adenoma	
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethanolamine

CAS Number: 111-42-2

Date Report Requested: 10/16/2014

Time Report Requested: 15:15:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 253

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202683

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Gallbladder

OBSERVATIONS

* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-1,8] [Hepatocellular Carcinoma TGLS = 1-8]		
* Ovary		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 254

TRT#: 4

SEX: Female

DAY ON TEST: 610

DOSE: 40 MG/KG

DISP: Natural Death

HISTO: 9202684

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 4-1,3-8] [Hepatocellular Carcinoma TGLS = 2-8]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLS = 5-4]		
* Ovary		Atrophy	Moderate
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLS = 1-1]		
* Thymus		Necrosis	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 255	TRT#: 4	SEX: Female	DAY ON TEST: 733
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202685

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLS = 1-1,8]		
	[Hepatocellular Carcinoma TGLS = 1-8]		
* Ovary		Atrophy	Marked
	Follicle	Cyst	Moderate
	[Cyst TGLS = 2-6]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 256

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202686

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 3-8,4-11]			
Mesentery	Fat	Inflammation	Chronic, Mild
[Inflammation TGLS = 1-9]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hyperplasia TGLS = 2-1]		Hyperplasia	Lymphoid, Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Marked
Note: multiple foci, some ulcerated			
[Hyperplasia TGLS = 5-10]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 257

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202687

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 1-1,8]			
* Ovary		Atrophy	Moderate
* Spleen		Hyperplasia	Lymphoid, Mild
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 258

TRT#: 4

SEX: Female

DAY ON TEST: 599

DOSE: 40 MG/KG

DISP: Natural Death

HISTO: 9202688

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Kidney		Lymphoma Malignant	
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Lymphoma Malignant	
[Hepatocellular Adenoma TGLS = 4-1,6-8]			
[Hepatocellular Carcinoma TGLS = 5-8]			
Lymph Node		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 7-4]			
* Ovary		Lymphoma Malignant	
* Pancreas		Lymphoma Malignant	
* Skin	Subcut Tiss	Edema	Diffuse, Moderate
[Edema TGLS = 1-6]			
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 3-1]			
* Thymus		Lymphoma Malignant	
* Urinary Bladder		Lymphoma Malignant	
* Uterus		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH - Lymph Node, Mesenteric Lymphoma Malignant
CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 258

TRT#: 4

SEX: Female

DAY ON TEST: 599

DOSE: 40 MG/KG

DISP: Natural Death

HISTO: 9202688

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: COD malignant lymphoma and liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 259

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202689

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 1-1]			
* Ovary	Follicle	Cyst	Marked
[Cyst TGLS = 2-6]			
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 260

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202690

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* 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	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 2-1,3-1,2-8]			
* Ovary		Atrophy	Mild
	Follicle	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-6]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 261	TRT#: 4	SEX: Female	DAY ON TEST: 421
	DOSE: 40 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202691

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* 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
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Kidney		Nephropathy	Marked
	Renal Tubule	Pigmentation	Moderate
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	
	[Hepatoblastoma TGLS = 2-1]		
	[Hepatocellular Adenoma TGLS = 3-8]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLS = 1-1]		
* Stomach, Forestomach		Mineralization	Diffuse, Mild
	[Mineralization TGLS = 4-9]		
* Thymus		Necrosis	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

Animal Note: moribund sac due to liver tumor

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 262

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Gallbladder

OBSERVATIONS

* Liver		Hepatocellular Adenoma Syncytial Alteration	Multiple Minimal
	[Hepatocellular Adenoma TGLS = 2-8 3-1,9]		
* Ovary	Follicle	Atrophy Cyst	Moderate Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia Polyp Stromal	Cystic, Moderate
	[Hyperplasia TGLS = 1-6]		

PRIMARY CAUSE OF DEATH

-

Animal Note: this animal has more lymphocyte infiltrates in the lung, salivary gland and urinary bladder than usual but there is no dramatic evidence of lymphoma

Animal Note: pancreatic lymph node substituted for mesenteric lymph node

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 263

TRT#: 4

SEX: Female

DAY ON TEST: 649

DOSE: 40 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202693

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

Harderian Gland [Adenoma TGLS = 7-10]		Adenoma	
* Kidney [Nephropathy TGLS = 4-1]		Nephropathy	Marked
* Liver [Hepatocellular Adenoma TGLS = 5-1, 6-1,8]		Hepatocellular Adenoma	Multiple
Mesentery [Inflammation TGLS = 2-9]	Fat	Inflammation	Chronic, Moderate
* Ovary [Cyst TGLS = 3-6]	Follicle	Atrophy Cyst	Moderate Moderate
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

Animal Note: moribund sac due to liver and harderian gland mass

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 264

TRT#: 4

SEX: Female

DAY ON TEST: 458

DOSE: 40 MG/KG

DISP: Natural Death

HISTO: 9202694

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Liver [Hepatocellular Adenoma TGLS = 2-1,1-8]		Hepatocellular Adenoma	Multiple
* Spleen	Lymph Follic	Depletion Cellular Hematopoietic Cell Proliferation Hyperplasia	Moderate Mild Squamous, Focal, Mild
* Stomach, Forestomach [Hyperplasia TGLS = 3-9]			
* Thymus		Necrosis	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Adenoma

Animal Note: COD liver tumor

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 265

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202695

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* 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	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLS = 2-1,9]	Histiocytic Sarcoma	
* Lung		Lymphoma Malignant	
* Ovary		Atrophy	Marked
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLS = 1-1]		
* Thyroid Gland	Follicular Cel	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 266

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202696

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Gallbladder	* Thymus
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OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Liver	Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 1-1,9 AND 2-8]		
* Ovary	Atrophy	Mild
* Stomach, Forestomach	Hyperplasia	Squamous, Focal, Marked
[Hyperplasia TGLS = 3-10]		
* Uterus	Endometrium	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: tgl 2 is ischemic or infarcted liver mass

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 267

TRT#: 4

SEX: Female

DAY ON TEST: 655

DOSE: 40 MG/KG

DISP: Natural Death

HISTO: 9202697

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Gallbladder	* Heart
* 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	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Clitoral Gland		Cyst	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLS = 3-1,9]			
[Hepatocellular Carcinoma TGLS = 2-8]			
* Lymph Node, Mesenteric		Necrosis	Mild
* Ovary	Follicle	Cyst	Marked
[Cyst TGLS = 1-6]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Necrosis	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 268

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202698

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 1-9,2-10,3-11]			
* Lymph Node, Mesenteric		Necrosis	Mild
* Ovary		Atrophy	Mild
	Follicle	Cyst	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: tgl 4, lung nodule not in slide or remaining block

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 269

TRT#: 4

SEX: Female

DAY ON TEST: 526

DOSE: 40 MG/KG

DISP: Natural Death

HISTO: 9202699

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 2-1,7-1,3-8,4-9,5-9,6-9,8-9]			
Mesentery	Fat	Inflammation	Chronic, Mild
[Inflammation TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Minimal
* Thymus		Necrosis	Mild

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Adenoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 270

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202700

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 2-1,9]		
	[Hepatocellular Carcinoma TGLS = 1-8 2-1,9]		
* Ovary		Atrophy	Moderate
	Follicle	Cyst	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 271	TRT#: 4	SEX: Female	DAY ON TEST: 696
	DOSE: 40 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202701

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adren Cortex			
Note: one adrenal has a dilated vein			
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLS = 3-1]			
[Hepatocellular Carcinoma TGLS = 3-1,8,9]			
* Ovary		Atrophy	Moderate
* Skin	SOA	Acanthosis	Mild
	SOA	Hyperkeratosis	Moderate
	SOA	Ulcer	Marked
[Acanthosis TGLS = 2-9]			
[Ulcer TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: moribund sac due to liver tumors and skin ulceration

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 272

TRT#: 4

SEX: Female

DAY ON TEST: 534

DOSE: 40 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202702

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mesenteric	* Mammary Gland
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OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 5-1]		
	[Hepatocellular Carcinoma TGLS = 3-10,4-11]		
Mesentery	Fat	Inflammation	Chronic, Mild
	[Inflammation TGLS = 1-9]		
* Ovary		Atrophy	Moderate
	Follicle	Cyst	Marked
	[Cyst TGLS = 2-8]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 273

TRT#: 4

SEX: Female

DAY ON TEST: 423

DOSE: 40 MG/KG

DISP: Natural Death

HISTO: 9202703

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Eosinophilic Focus TGLS = 2-9]		
	[Hepatocellular Adenoma TGLS = 2-1,3-8]		
	[Hepatocellular Carcinoma TGLS = 1-1,2]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Necrosis	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: COD liver tumor

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 274

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202704

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Gallbladder	* Heart
* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Clitoral Gland	* Thymus
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OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 3-9]		
	[Hepatocellular Carcinoma TGLS = 2-8,3-9]		
* Ovary		Atrophy	Moderate
	Follicle	Cyst	Moderate
	[Cyst TGLS = 1-6]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 275	TRT#: 4	SEX: Female	DAY ON TEST: 732
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202705

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* 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
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Gallbladder	* Thymus
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OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLS = 2-8 3-1,10]		
	[Hepatocellular Carcinoma TGLS = 3-10]		
* Ovary		Atrophy	Mild
* Skin	SOA	Acanthosis	Mild
	SOA, Subcut Tiss	Fibrosarcoma	
	[Fibrosarcoma TGLS = 1-9]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 276

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202706

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Nose	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea		

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Intestine Small, Jejunum		Fibrosarcoma	Metastatic (Mesentery)
* Kidney		Nephropathy	Minimal
* Liver		Fibrosarcoma	Metastatic (Mesentery)
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLS = 2-9,3-10,4-11]			
Lymph Node	Mediastinal	Fibrosarcoma	Metastatic (Mesentery)
* Lymph Node, Mesenteric		Fibrosarcoma	Metastatic (Mesentery)
Mesentery	Fat	Fibrosarcoma	
[Fibrosarcoma TGLS = 1-8]			
* Ovary		Atrophy	Moderate
	Follicle	Cyst	Moderate
* Spleen	Capsule	Fibrosarcoma	Metastatic (Mesentery)
		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Urinary Bladder		Fibrosarcoma	Metastatic (Mesentery)
* Uterus		Fibrosarcoma	Metastatic (Mesentery)
	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 276

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202706

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 277

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202707

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Syncytial Alteration	Mild
	[Hepatocellular Adenoma TGLS = 1-1,8]		
	[Hepatocellular Carcinoma TGLS = 1-8]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 278

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202708

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-1,8]		
	[Hepatocellular Carcinoma TGLS = 1-1,8]		
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 279	TRT#: 4	SEX: Female	DAY ON TEST: 733
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202709

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 1-1,8]			
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 2-6]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 280

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202710

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 3-10]		
	[Hepatocellular Carcinoma TGLS = 2-8,3-10]		
* Pituitary Gland	Pars Distalis	Hemorrhage	Focal, Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: lung focus, TGL 1, not on slides or in block, cut thru.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 281

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202711

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLS = 1-1,8]			
[Hepatocellular Carcinoma TGLS = 1-8]			
* Lymph Node, Mesenteric		Necrosis	Mild
* Ovary		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 282

TRT#: 4

SEX: Female

DAY ON TEST: 514

DOSE: 40 MG/KG

DISP: Natural Death

HISTO: 9202712

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Acute, Moderate
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-1,2-8]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: COD liver tumor and heart degeneration

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 283	TRT#: 4	SEX: Female	DAY ON TEST: 527
	DOSE: 40 MG/KG	DISP: Natural Death	HISTO: 9202713

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Eosinophilic Focus TGLS = 2-1]			
[Hepatocellular Adenoma TGLS = 1-8,3-8,4-8]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 284

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202714

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 1-1,8]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Ovary	Follicle	Cyst	Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 285	TRT#: 4	SEX: Female	DAY ON TEST: 733
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202715

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Focal, Mild
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 1-1,8]			
* Ovary		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 286

TRT#: 4

SEX: Female

DAY ON TEST: 418

DOSE: 40 MG/KG

DISP: Natural Death

HISTO: 9202716

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Gallbladder

OBSERVATIONS

* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-9 2-1,2,10 3-1,9]		
* Lung	Mediastinum	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLS = 6-8]		
	[Alveolar/Bronchiolar Carcinoma TGLS = 4-2]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	

PRIMARY CAUSE OF DEATH

- Lung Alveolar/Bronchiolar Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocellular Adenoma;Lung Mediastinum Alveolar/Bronchiolar Carcinoma Lung

Animal Note: COD lung tumor

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 287

TRT#: 4

SEX: Female

DAY ON TEST: 424

DOSE: 40 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202717

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Urinary Bladder

OBSERVATIONS

Harderian Gland [Carcinoma TGLS = 1-8]		Carcinoma	
* Liver [Hepatocellular Adenoma TGLS = 7-1,10]		Hepatocellular Adenoma	Multiple
* Lung [Carcinoma TGLS = 5-2,6-9]		Carcinoma	Metastatic (Harderian Gland)
* Lymph Node, Mandibular [Carcinoma TGLS = 2-3]		Carcinoma	Metastatic (Harderian Gland)
* Ovary [Cyst TGLS = 4-6]	Periovarn Tiss	Cyst	Mild
* Spleen [Hematopoietic Cell Proliferation TGLS = 3-1]		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Harderian Gland Carcinoma

Animal Note: Moribund sac due to harderian gland tumor

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 288

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202718

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 2-1,9]			
* Ovary		Atrophy	Moderate
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Moderate
Note: multiple foci, some ulcerated			
[Hyperplasia TGLS = 3-8]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-6]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 289

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202719

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Marked
* Bone Marrow		Myelofibrosis	Mild
* Islets, Pancreatic		Hyperplasia	Focal, Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLS = 2-1,9]		
	[Hepatocellular Carcinoma TGLS = 1-8]		
* Lymph Node, Mandibular		Lymphoma Malignant	
* Ovary		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 290

TRT#: 4

SEX: Female

DAY ON TEST: 691

DOSE: 40 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202720

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular * Thymus

OBSERVATIONS

* Kidney	Renal Tubule	Mineralization	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLS = 4-1,5-1,6-9,7-9]		
	[Hepatocellular Carcinoma TGLS = 3-2]		
* Lung	Mediastinum	Fibrosarcoma	Metastatic (Skin)
* Ovary		Atrophy	Mild
* Skin	SOA	Exudate	Marked
	Subcut Tiss	Fibrosarcoma	
	SOA	Hyperkeratosis	Mild
	[Exudate TGLS = 1-8]		
	[Fibrosarcoma TGLS = 2-10]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: moribund sac due to fibrosarcoma and liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 291	TRT#: 4	SEX: Female	DAY ON TEST: 733
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202721

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Intestine Small, Ileum

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 1-1,8]			
* Ovary		Atrophy	Moderate
	Follicle	Cyst	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Lymphoma Malignant	
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 292

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202722

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* 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
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex [Necrosis TGLS = 1-7]		Necrosis	Marked
* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Nephropathy	Minimal
* Liver [Hepatocellular Adenoma TGLS = 2-1,8]		Hepatocellular Adenoma	Multiple
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach Note: multiple foci [Hyperplasia TGLS = 3-9]		Hyperplasia	Squamous, Focal, Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethanolamine

CAS Number: 111-42-2

Date Report Requested: 10/16/2014

Time Report Requested: 15:15:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 293

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202723

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Gallbladder
* Heart	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Clitoral Gland	* Thymus
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OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-8 2-1,9]		
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 294	TRT#: 4	SEX: Female	DAY ON TEST: 733
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202724

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 2-8,3-1,4-1]			
* Ovary		Atrophy	Moderate
	Follicle	Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Mild
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-6]			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL 5, lung nodule could not be found in block

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 295

TRT#: 4

SEX: Female

DAY ON TEST: 689

DOSE: 40 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202725

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Liver		Clear Cell Focus Hepatocellular Adenoma	Multiple
[Clear Cell Focus TGLS = 1-1]			
[Hepatocellular Adenoma TGLS = 1-1,8]			
* Ovary		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 2-6]			

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 296

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202726

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-8]			
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-6]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 297

TRT#: 4

SEX: Female

DAY ON TEST: 491

DOSE: 40 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202727

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Necrosis	Moderate
[Hepatocellular Adenoma TGLS = 3-1,2,9]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Ovary	Follicle	Cyst	Marked
[Cyst TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 2-1]			
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

- Ovary Follicle Cyst

Animal Note: Moribund sac due to ovarian cyst

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 298

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202728

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* 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	* Pancreas	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 2-8 3-1,9]			
* Ovary		Atrophy	Marked
Skeletal Muscle		Fibrosarcoma	Metastatic (Skin)
[Fibrosarcoma TGLS = 1-11]			
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 1-10]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 1, is a skin tumor metastatic to the rib cage muscle

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 299

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 40 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202729

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* 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	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 1-1,8]			
* Ovary		Atrophy	Moderate
	Follicle	Cyst	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 300	TRT#: 4	SEX: Female	DAY ON TEST: 732
	DOSE: 40 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202730

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLS = 1-1,8]		
	[Hepatocellular Carcinoma TGLS = 1-8]		
* Ovary		Atrophy	Moderate
	Follicle	Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLS = 2-6]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 301	TRT#: 6	SEX: Female	DAY ON TEST: 733
	DOSE: 80 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202731

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 1-8]			
* Ovary		Atrophy	Marked
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 302	TRT#: 6	SEX: Female	DAY ON TEST: 733
	DOSE: 80 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202732

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Thymus

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-1,8]		
	[Hepatocellular Carcinoma TGLS = 1-1,8]		
* Ovary		Atrophy	Marked
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 303	TRT#: 6	SEX: Female	DAY ON TEST: 600
	DOSE: 80 MG/KG	DISP: Natural Death	HISTO: 9202733

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Minimal
[Hepatocellular Adenoma TGLS = 1-1,2-1,3-8]			
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Necrosis	Moderate
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 304

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202734

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney	Renal Tubule	Mineralization	Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLS = 2-1,10]		
	[Hepatocellular Carcinoma TGLS = 2-1]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 3-9]		
* Ovary		Atrophy	Marked
* Skin	Pinna, Subcut Tiss	Fibroma	
	[Fibroma TGLS = 1-8]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

Animal Note: TGL 1, entered under skin due to computer limitations

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 305

TRT#: 6

SEX: Female

DAY ON TEST: 614

DOSE: 80 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202735

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* 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	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Lymphoma Malignant	
* Adrenal Medulla		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 7-1]			
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 4-8,5-9,6-10]		Lymphoma Malignant	
* Lung		Lymphoma Malignant	
Lymph Node		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 8-11,9-12,10-7,11-13]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 1-3]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 3-4]			
* Ovary		Atrophy	Moderate
		Lymphoma Malignant	
* Pancreas		Lymphoma Malignant	
* Pituitary Gland	Pars Distalis	Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 2-1]			
* Thymus		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 305	TRT#: 6	SEX: Female	DAY ON TEST: 614
	DOSE: 80 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202735

ORGAN AND ACCOUNTABLE SITE STATUS

* Urinary Bladder		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
PRIMARY CAUSE OF DEATH	- Lymph Node, Mandibular Lymphoma Malignant		
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocellular Adenoma		

Animal Note: moribund sac due to malignant lymphoma and liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 306	TRT#: 6	SEX: Female	DAY ON TEST: 540
	DOSE: 80 MG/KG	DISP: Natural Death	HISTO: 9202736

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* 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	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLS = 1-1,2,8]		
	[Hepatocellular Carcinoma TGLS = 1-8]		
* Ovary		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 307	TRT#: 6	SEX: Female	DAY ON TEST: 731
	DOSE: 80 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202737

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-1,8] [Hepatocellular Carcinoma TGLS = 1-1]		
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 308	TRT#: 6	SEX: Female	DAY ON TEST: 730
	DOSE: 80 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202738

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* 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	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Gallbladder	* Lymph Node, Mesenteric
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OBSERVATIONS

* Heart	Atrium	Thrombosis	Mild
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-1,8]		
* Ovary		Atrophy	Marked
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 309

TRT#: 6

SEX: Female

DAY ON TEST: 684

DOSE: 80 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202739

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Thymus
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OBSERVATIONS

* Kidney	Renal Tubule	Mineralization	Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 3-1,4-11]		
	[Hepatocellular Carcinoma TGLS = 2-9,5-10]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Ovary	Follicle	Cyst	Marked
* Skin	Subcut Tiss	Fibrosarcoma	
	[Fibrosarcoma TGLS = 1-8]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 310	TRT#: 6	SEX: Female	DAY ON TEST: 568
	DOSE: 80 MG/KG	DISP: Natural Death	HISTO: 9202740

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Gallbladder	* Parathyroid Gland
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OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Liver	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
	Syncytial Alteration	Minimal
[Hepatocellular Adenoma TGLS = 1-8,2-1,3-1,4-9]		
[Hepatocellular Carcinoma TGLS = 5-10]		
* Ovary	Atrophy	Mild
* Spleen	Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 311

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202741

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 1-1,8]			
* Ovary		Atrophy	Mild
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicular Cel	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 312

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202742

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Syncytial Alteration	Minimal
[Hepatocellular Adenoma TGLS = 2-1,8]			
[Hepatocellular Carcinoma TGLS = 2-8]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Atrophy	Mild
	Follicle	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Polyp Stromal	
[Polyp Stromal TGLS = 1-6]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 313

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202743

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* 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	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Gallbladder	* Parathyroid Gland
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OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		[Hepatocellular Adenoma TGLS = 2-9]	
		[Hepatocellular Carcinoma TGLS = 1-8 2-1,9]	
* Ovary		Atrophy	Moderate
	Follicle	Cyst	Moderate
		[Cyst TGLS = 3-6]	
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 314

TRT#: 6

SEX: Female

DAY ON TEST: 626

DOSE: 80 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202744

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Gallbladder

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Syncytial Alteration	Minimal
	[Hepatocellular Adenoma TGLS = 2-1,2]		
	[Hepatocellular Carcinoma TGLS = 2-9]		
* Lung		Carcinoma	Metastatic (Mammary Gland)
		Hepatocellular Carcinoma	Metastatic (Liver)
* Mammary Gland		Carcinoma	
	[Carcinoma TGLS = 1-8]		
* Ovary		Atrophy	Moderate
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Carcinoma

Animal Note: moribund sac due to mammary carcinoma and liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 315

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202745

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-8 2-1,9]		
	[Hepatocellular Carcinoma TGLS = 2-1,9]		
* Ovary		Atrophy	Mild
* Skin	SOA	Acanthosis	Minimal
	SOA	Exudate	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 316	TRT#: 6	SEX: Female	DAY ON TEST: 696
	DOSE: 80 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202746

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Gallbladder
* 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	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Clitoral Gland	* Pituitary Gland
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OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Liver	Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 1-1,8]		
* Lung	Hepatocellular Carcinoma	Metastatic (Liver)
* Ovary	Atrophy	Marked
* Spleen	Hematopoietic Cell Proliferation	Mild
* Thymus	Atrophy	Marked
* Uterus	Endometrium	Cystic, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 317

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202747

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Syncytial Alteration	Minimal
[Hepatocellular Adenoma TGLS = 2-1,8]			
[Hepatocellular Carcinoma TGLS = 2-8]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Ovary	Follicle	Cyst	Mild
[Cyst TGLS = 1-6]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 318	TRT#: 6	SEX: Female	DAY ON TEST: 733
	DOSE: 80 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202748

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Syncytial Alteration	Minimal
[Hepatocellular Adenoma TGLS = 1-1,8]			
[Hepatocellular Carcinoma TGLS = 1-8]			
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 319

TRT#: 6

SEX: Female

DAY ON TEST: 474

DOSE: 80 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202749

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Salivary Glands	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney	Renal Tubule	Dilatation	Moderate
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Necrosis	Mild
		Syncytial Alteration	Minimal
		[Hepatocellular Adenoma TGLS = 2-1,5-1]	
		[Hepatocellular Carcinoma TGLS = 1-8,3-9]	
		[Necrosis TGLS = 4-9]	
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Moderate
Note: multiple sites			
		[Hyperplasia TGLS = 6-10]	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: forestomach has multiple foci

Animal Note: Moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethanolamine

CAS Number: 111-42-2

Date Report Requested: 10/16/2014

Time Report Requested: 15:15:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 320

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202750

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Esophagus | * Gallbladder |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---|----------|----------------------------------|-------------|
| * Bone Marrow | | Myelofibrosis | Mild |
| * Islets, Pancreatic | | Hyperplasia | Focal, Mild |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| [Hepatocellular Adenoma TGLS = 1-1,8] | | | |
| [Hepatocellular Carcinoma TGLS = 1-8] | | | |
| * Ovary | Follicle | Cyst | Mild |
| * Spleen | | Hematopoietic Cell Proliferation | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 321	TRT#: 6	SEX: Female	DAY ON TEST: 733
	DOSE: 80 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202751

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* 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	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Nose	* Parathyroid Gland
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OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLS = 1-1,2-8]		
	[Hepatocellular Carcinoma TGLS = 1-1]		
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 322

TRT#: 6

SEX: Female

DAY ON TEST: 712

DOSE: 80 MG/KG

DISP: Natural Death

HISTO: 9202752

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Gallbladder
* Heart	* 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
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Clitoral Gland	* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	Multiple
		Syncytial Alteration	Minimal
[Hepatocellular Carcinoma TGLS = 1-1,8]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
* Lymph Node, Mesenteric		Congestion	Marked
* Ovary		Atrophy	Marked
		Teratoma Benign	
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: COD liver tumor

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 323

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202753

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 3-9]		
	[Hepatocellular Carcinoma TGLS = 2-8,3-9]		
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
* Uterus		Congestion	Marked
	[Congestion TGLS = 1-6I]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 324

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202754

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Syncytial Alteration	Minimal
	[Hepatocellular Adenoma TGLS = 1-1,8]		
	[Hepatocellular Carcinoma TGLS = 1-1,8]		
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 325	TRT#: 6	SEX: Female	DAY ON TEST: 556
	DOSE: 80 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202755

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Syncytial Alteration	Minimal
		[Hepatocellular Adenoma TGLS = 1-1,2 2-8,3-8,4-1,6-9,7-10]	
		[Hepatocellular Carcinoma TGLS = 4-1,5-9]	
* Lung	Alveolar Epith	Hyperplasia	Mild
* Ovary		Atrophy	Marked
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Moderate
		[Hyperplasia TGLS = 8-4]	
* Thyroid Gland	Follicle	Cyst	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 326

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202756

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea

MISSING

* Pituitary Gland

OBSERVATIONS

* Kidney		Lymphoma Malignant	
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLS = 1-8,2-9]		
	[Hepatocellular Carcinoma TGLS = 2-9]		
Lymph Node	Mediastinal	Lymphoma Malignant	
* Ovary		Atrophy	Moderate
* Pancreas		Lymphoma Malignant	
* Salivary Glands		Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
* Urinary Bladder		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 327	TRT#: 6	SEX: Female	DAY ON TEST: 732
	DOSE: 80 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202757

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 2-9,3-8,4-10]			
Lymph Node	Renal	Fibrous Histiocytoma	
[Fibrous Histiocytoma TGLS = 1-9]			
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 328 **TRT#:** 6 **SEX:** Female **DAY ON TEST:** 731
DOSE: 80 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 9202758

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 3-1,8]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Atrophy	Moderate
	Periovarn Tiss	Cyst	Mild
[Cyst TGLS = 1-6]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 2-1]			
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 329

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202759

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* 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	* Pancreas	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Benign TGLS = 2-7]		Pheochromocytoma Benign	
* Bone Marrow		Myelofibrosis	Minimal
* Liver [Hepatoblastoma TGLS = 1-1] [Hepatocellular Adenoma TGLS = 1-1,8]		Hepatoblastoma Hepatocellular Adenoma	Multiple
* Ovary		Atrophy	Marked
	Follicle	Cyst	Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 330

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202760

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Liver	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	Multiple
	Syncytial Alteration	Minimal
	[Hepatocellular Adenoma TGLS = 1-1,8]	
	[Hepatocellular Carcinoma TGLS = 1-1,8]	
* Ovary	Atrophy	Moderate
* Spleen	Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Hyperplasia	Squamous, Focal, Moderate
	Note: multiple foci	
	[Hyperplasia TGLS = 2-9]	
* Thyroid Gland	Follicular Cel	Hyperplasia
		Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 331

TRT#: 6

SEX: Female

DAY ON TEST: 614

DOSE: 80 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Clitoral Gland	* Lymph Node, Mesenteric	* Parathyroid Gland
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OBSERVATIONS

* Liver	Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLS = 1-2] [Hepatocellular Carcinoma TGLS = 1-1]		
* Lung	Hepatocellular Carcinoma	Metastatic (Liver)
* Ovary	Atrophy	Marked
* Spleen	Hematopoietic Cell Proliferation	Mild
* Thymus	Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 332

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202762

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* 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	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

INSUFFICIENT TISSUE

* Pituitary Gland

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 1-8]			
* Ovary		Atrophy	Moderate
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Moderate
		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 2-9]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: substituted pancreatic ly. nd. for mesenteric

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 333

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202763

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Lymphoma Malignant	
[Hepatocellular Adenoma TGLS = 1-1,8]			
[Hepatocellular Carcinoma TGLS = 1-1,8]			
* Lung		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 2-2]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Atrophy	Moderate
	Follicle	Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 334

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202764

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder		

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 3-9]		
	[Hepatocellular Carcinoma TGLS = 2-8,3-9]		
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Mammary Gland		Hyperplasia	Mild
* Ovary		Atrophy	Moderate
	Follicle	Cyst	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-7]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Marked
	[Hyperplasia TGLS = 4-10]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 335	TRT#: 6	SEX: Female	DAY ON TEST: 684
	DOSE: 80 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202765

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 3-9,4-10,5-1,7-9] [Hepatocellular Carcinoma TGLS = 2-1]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLS = 6-8]		
* Ovary		Atrophy	Marked
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	[Hyperplasia TGLS = 1-6]		

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma
CONTRIBUTORY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

Animal Note: moribund sac due to liver and lung tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 336

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202766

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Gallbladder

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 4-1,9]		
	[Hepatocellular Carcinoma TGLS = 3-8 4-1,9]		
* Lung		Alveolar/Bronchiolar Carcinoma	
		Inflammation	Chronic, Mild
	[Alveolar/Bronchiolar Carcinoma TGLS = 2-2]		
	[Inflammation TGLS = 5-10]		
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary	Follicle	Cyst	Mild
		Thrombosis	Marked
	[Thrombosis TGLS = 1-6]		
* Spleen		Lymphoma Malignant	
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 336

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202766

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 337

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202767

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Clitoral Gland	* Esophagus	* Gallbladder	* 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	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Mast Cell Tumor Malignant	
* Brain	Meninges	Mast Cell Tumor Malignant	
Eye	Cornea	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-8]			
Harderian Gland		Adenoma	
[Adenoma TGLS = 2-8]			
* Kidney	Cortex	Cyst	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLS = 3-1,9]			
[Hepatocellular Carcinoma TGLS = 3-1]			
* Lymph Node, Mandibular		Mast Cell Tumor Malignant	
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Mast Cell Tumor Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 338	TRT#: 6	SEX: Female	DAY ON TEST: 732
	DOSE: 80 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202768

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Ovary

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Syncytial Alteration	Minimal
	[Hepatocellular Adenoma TGLS = 5-8,6-11]		
	[Hepatocellular Carcinoma TGLS = 2-9 6-1,11]		
Lymph Node	Lumbar	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
	[Lymphoma Malignant TGLS = 3-10]		
	[Lymphoma Malignant TGLS = 4-12]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLS = 1-13]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 339

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202769

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	Lacrimal Gland	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-1,8] [Hepatocellular Carcinoma TGLS = 1-1]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 2-2]		
* Mammary Gland		Hyperplasia	Mild
* Ovary		Atrophy	Moderate
	Follicle	Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 340

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202770

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Syncytial Alteration	Mild
		[Hepatocellular Adenoma TGLS = 1-1,8]	
		[Hepatocellular Carcinoma TGLS = 1-1,8]	
* Ovary		Atrophy	Moderate
	Follicle	Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 341

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202771

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* 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	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Syncytial Alteration	Minimal
	[Hepatocellular Adenoma TGLS = 1-1,8]		
	[Hepatocellular Carcinoma TGLS = 1-8]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Atrophy	Moderate
* Spleen		Lymphoma Malignant	
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 342

TRT#: 6

SEX: Female

DAY ON TEST: 633

DOSE: 80 MG/KG

DISP: Natural Death

HISTO: 9202772

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* 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
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Clitoral Gland	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-1,8]		
	[Hepatocellular Carcinoma TGLS = 1-8]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Necrosis	Mild
* Ovary		Atrophy	Marked
		Granulosa-Theca Tumor Benign	
	[Granulosa-Theca Tumor Benign TGLS = 2-6]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 343

TRT#: 6

SEX: Female

DAY ON TEST: 725

DOSE: 80 MG/KG

DISP: Natural Death

HISTO: 9202773

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* 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	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Lymphoma Malignant	
* Clitoral Gland		Lymphoma Malignant	
* Liver		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant	
[Hepatocellular Adenoma TGLS = 1-1,8]			
Lymph Node	Mediastinal	Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery		Lymphoma Malignant	
* Ovary		Atrophy	Marked
		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
Tissue NOS		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 2-9]			
* Uterus		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH - Thymus Lymphoma Malignant

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Adenoma

Animal Note: COD malignant lymphoma and liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 344

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202774

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Gallbladder	* Thymus
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OBSERVATIONS

* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 3-1,8] [Hepatocellular Carcinoma TGLS = 3-8]		
* Lung	Alveolar Epith	Hyperplasia	Mild
	[Hyperplasia TGLS = 5-10]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLS = 4-9]		
* Ovary	Follicle	Atrophy Cyst	Marked Moderate
	[Cyst TGLS = 1-6]		
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Spleen		Hematopoietic Cell Proliferation Lymphoma Malignant	Mild
	[Lymphoma Malignant TGLS = 2-9]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 345

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202775

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Heart
* 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	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	

MISSING

* Gallbladder	* Lymph Node, Mesenteric
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OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Minimal
	[Hepatocellular Adenoma TGLS = 4-8 5-1,10]		
* Mammary Gland		Carcinoma	
	[Carcinoma TGLS = 1-9]		
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
	[Hematopoietic Cell Proliferation TGLS = 2-1]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Infiltration Cellular	Lymphocyte, Mild
	[Hyperplasia TGLS = 3-6]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 346	TRT#: 6	SEX: Female	DAY ON TEST: 731
	DOSE: 80 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202776

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		[Hepatocellular Adenoma TGLS = 1-8]	
		[Hepatocellular Carcinoma TGLS = 1-8]	
* Ovary		Atrophy	Marked
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 347

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202777

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Gallbladder	* Parathyroid Gland
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OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 2-9]		
	[Hepatocellular Carcinoma TGLS = 1-8,2-9]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 348	TRT#: 6	SEX: Female	DAY ON TEST: 539
	DOSE: 80 MG/KG	DISP: Natural Death	HISTO: 9202778

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* 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	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Gallbladder	* Lymph Node, Mesenteric
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OBSERVATIONS

* Liver	Hepatocellular Adenoma	
	Hepatocellular Carcinoma	Multiple
	Syncytial Alteration	Minimal
[Hepatocellular Adenoma TGLS = 2-1]		
[Hepatocellular Carcinoma TGLS = 3-1,1-8,4-9]		
* Ovary	Atrophy	Marked
* Spleen	Hematopoietic Cell Proliferation	Mild
* Thymus	Necrosis	Marked

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 349	TRT#: 6	SEX: Female	DAY ON TEST: 638
	DOSE: 80 MG/KG	DISP: Natural Death	HISTO: 9202779

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* 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	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

Blood Vessel	* Gallbladder
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OBSERVATIONS

* Liver	Hepatocellular Adenoma	Multiple
	Syncytial Alteration	Minimal
[Hepatocellular Adenoma TGLS = 1-1,8]		
* Lymph Node, Mesenteric	Necrosis	Mild
Note: pancreatic node substituted for mesenteric node		
* Ovary	Atrophy	Mild
* Spleen	Hematopoietic Cell Proliferation	Mild
* Thymus	Necrosis	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: COD liver masses

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 350

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 80 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202780

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* 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	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-8]		
	[Hepatocellular Carcinoma TGLS = 1-8,2-8]		
* Lung		Inflammation	Chronic Active, Mild
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 351

TRT#: 8

SEX: Female

DAY ON TEST: 717

DOSE: 160 MG/KG

DISP: Natural Death

HISTO: 9202781

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* 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	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mesenteric	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Mild
* Heart	Atrium	Thrombosis	Moderate
[Thrombosis TGLS = 2-2]			
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 1-1,8]			
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 352	TRT#: 8	SEX: Female	DAY ON TEST: 631
	DOSE: 160 MG/KG	DISP: Natural Death	HISTO: 9202782

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Gallbladder	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pituitary Gland			

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLS = 1-1,8]			
[Hepatocellular Carcinoma TGLS = 1-1,8]			
* Ovary		Atrophy	Moderate
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: COD, liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 353

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202783

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Pituitary Gland

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Syncytial Alteration	Mild
	[Hepatocellular Adenoma TGLS = 1-1,8]		
	[Hepatocellular Carcinoma TGLS = 1-1,8]		
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 354

TRT#: 8

SEX: Female

DAY ON TEST: 714

DOSE: 160 MG/KG

DISP: Natural Death

HISTO: 9202784

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Syncytial Alteration	Mild
	[Hepatocellular Adenoma TGLS = 1-1,8]		
	[Hepatocellular Carcinoma TGLS = 1-8]		
* Lymph Node, Mesenteric		Necrosis	Mild
* Ovary		Atrophy	Moderate
	Periovarn Tiss	Cyst	Mild
	[Cyst TGLS = 2-6]		
* Skin	SOA	Exudate	Mild
	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Necrosis	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 355

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202785

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Gallbladder	* Pituitary Gland
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OBSERVATIONS

* Kidney	Cortex	Infarct	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		[Hepatocellular Adenoma TGLS = 1-1,8]	
		[Hepatocellular Carcinoma TGLS = 1-1,8]	
* Ovary		Atrophy	Marked
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 356

TRT#: 8

SEX: Female

DAY ON TEST: 716

DOSE: 160 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202786

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* 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
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Syncytial Alteration	Minimal
[Hepatocellular Adenoma TGLS = 1-1]			
[Hepatocellular Carcinoma TGLS = 1-8,11]			
* Ovary		Atrophy	Marked
	Follicle	Cyst	Moderate
		Teratoma Malignant	
[Teratoma Malignant TGLS = 2-9]			
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 3-1]			
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 357

TRT#: 8

SEX: Female

DAY ON TEST: 726

DOSE: 160 MG/KG

DISP: Natural Death

HISTO: 9202787

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* 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	* Salivary Glands	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

MISSING

* Clitoral Gland	* Gallbladder
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OBSERVATIONS

Harderian Gland [Adenoma TGLS = 2-9]		Adenoma	
* Kidney		Nephropathy	Mild
* Liver [Hepatocellular Adenoma TGLS = 1-8,11]		Hepatocellular Adenoma	Multiple
* Lymph Node, Mandibular		Necrosis	Minimal
* Lymph Node, Mesenteric		Necrosis	Mild
* Ovary		Atrophy	Moderate
* Skin	SOA	Exudate	Minimal
	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular Note: multiple foci [Necrosis TGLS = 3-10]		Necrosis	Focal, Mild
* Thymus		Necrosis	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 358

TRT#: 8

SEX: Female

DAY ON TEST: 611

DOSE: 160 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202788

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Syncytial Alteration	Minimal
[Hepatocellular Adenoma TGLS = 4-1,2]			
[Hepatocellular Carcinoma TGLS = 4-10,11]			
Mesentery	Fat	Inflammation	Chronic, Moderate
[Inflammation TGLS = 3-9]			
* Ovary		Atrophy	Marked
		Thrombosis	Marked
[Thrombosis TGLS = 2-6]			
* Skin	SOA	Acanthosis	Moderate
	SOA	Exudate	Mild
Note: multiple foci			
[Acanthosis TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Necrosis	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Ovary Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 358

TRT#: 8

SEX: Female

DAY ON TEST: 611

DOSE: 160 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202788

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 359

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202789

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-1,8]		
	[Hepatocellular Carcinoma TGLS = 1-1,8]		
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 360

TRT#: 8

SEX: Female

DAY ON TEST: 522

DOSE: 160 MG/KG

DISP: Natural Death

HISTO: 9202790

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Gallbladder
* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Clitoral Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Syncytial Alteration	Minimal
	[Hepatocellular Adenoma TGLS = 1-8]		
	[Hepatocellular Carcinoma TGLS = 1-8]		
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Necrosis	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 361

TRT#: 8

SEX: Female

DAY ON TEST: 724

DOSE: 160 MG/KG

DISP: Natural Death

HISTO: 9202791

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Uterus			

MISSING

* Clitoral Gland	* Lymph Node, Mandibular	* Mammary Gland	* Thymus
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Mild
* Heart	Atrium	Thrombosis	Moderate
* Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 1-1,8]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Mesenteric		Necrosis	Mild
Note: pancreatic ly. nd. substituted for mesenteric ly. nd.			
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 362	TRT#: 8	SEX: Female	DAY ON TEST: 681
	DOSE: 160 MG/KG	DISP: Natural Death	HISTO: 9202792

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Kidney	* Lung	* Nose	* Salivary Glands
* Skin	* Trachea	* Uterus	

MISSING

* Clitoral Gland	* Gallbladder	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Thymus

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Urinary Bladder

OBSERVATIONS

* Liver	Hepatocellular Carcinoma		
[Hepatocellular Carcinoma TGLS = 1-1]			
* Ovary	Atrophy		Marked
* Spleen	Hematopoietic Cell Proliferation		Mild
	Pigmentation		Hemosiderin, Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 363

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202793

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-8]		
	[Hepatocellular Carcinoma TGLS = 1-1,8]		
* Ovary		Atrophy	Marked
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 364

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202794

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Islets, Pancreatic		Hyperplasia	Focal, Moderate
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Syncytial Alteration	Minimal
[Hepatocellular Adenoma TGLS = 1-8 2-1,9]			
[Hepatocellular Carcinoma TGLS = 2-9]			
* Ovary		Atrophy	Moderate
	Follicle	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 365

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202795

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Pancreas
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland	* Pituitary Gland	* Thymus
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OBSERVATIONS

* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Minimal
[Hepatoblastoma TGLS = 1-8]			
[Hepatocellular Adenoma TGLS = 1-1,8]			
* Mammary GI			
Note: mammary gland is attached to clitoral gland tissue			
* Ovary		Atrophy	Marked
	Follicle	Cyst	Mild
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 366

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202796

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Gallbladder

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-1,8]		
	[Hepatocellular Carcinoma TGLS = 1-1,8]		
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 367

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202797

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 3-1,10]		
	[Hepatocellular Carcinoma TGLS = 2-8 3-1]		
* Lung		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Ovary		Atrophy	Marked
	Follicle	Cyst	Moderate
* Pancreas		Lymphoma Malignant	
* Skin	SOA	Hyperkeratosis	Minimal
	Subcut Tiss	Lymphoma Malignant	
	[Lymphoma Malignant TGLS = 1-9]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 368	TRT#: 8	SEX: Female	DAY ON TEST: 733
	DOSE: 160 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202798

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mesenteric	* Thymus
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OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 2-1,9]		
	[Hepatocellular Carcinoma TGLS = 1-8,2-9]		
* Ovary		Atrophy	Marked
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 369

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202799

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Histiocytic Sarcoma	
		Syncytial Alteration	Minimal
[Hepatocellular Adenoma TGLS = 2-8,3-9]			
[Hepatocellular Carcinoma TGLS = 3-9]			
* Lymph Node, Mandibular		Histiocytic Sarcoma	
* Nose		Histiocytic Sarcoma	
* Ovary		Atrophy	Moderate
	Periovarn Tiss	Histiocytic Sarcoma	
* Pancreas		Histiocytic Sarcoma	
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 1-1]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 370

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202800

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Liver	Hepatocellular Adenoma	
	Hepatocellular Carcinoma	Multiple
	Syncytial Alteration	Mild
[Hepatocellular Adenoma TGLS = 3-1]		
[Hepatocellular Carcinoma TGLS = 2-8,3-10]		
* Lung	Hepatocellular Carcinoma	Metastatic (Liver)
[Hepatocellular Carcinoma TGLS = 1-9]		
* Ovary	Atrophy	Moderate
* Spleen	Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 371	TRT#: 8	SEX: Female	DAY ON TEST: 731
	DOSE: 160 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202801

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Ovary	* Thymus
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OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-1,8]		
	[Hepatocellular Carcinoma TGLS = 1-1,8]		
* Salivary Glands		Infiltration Cellular	Lymphocyte, Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 372

TRT#: 8

SEX: Female

DAY ON TEST: 607

DOSE: 160 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Mild
* Islets, Pancreatic		Hyperplasia	Focal, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-1,8]		
	[Hepatocellular Carcinoma TGLS = 1-1,8]		
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 373

TRT#: 8

SEX: Female

DAY ON TEST: 701

DOSE: 160 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202803

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Syncytial Alteration	Minimal
	[Hepatocellular Adenoma TGLS = 2-1,9]		
	[Hepatocellular Carcinoma TGLS = 2-1,9]		
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	Subcut Tiss	Hemangioma	
	[Hemangioma TGLS = 1-8]		
* Stomach, Glandular		Necrosis	Focal, Mild
	Note: multiple foci		
	[Necrosis TGLS = 4-10]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus		Thrombosis	Moderate
	[Thrombosis TGLS = 3-6]		

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 374

TRT#: 8

SEX: Female

DAY ON TEST: 674

DOSE: 160 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202804

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* 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	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Diffuse, Mild
* Heart	Atrium	Thrombosis	Marked
[Thrombosis TGLS = 2-2]			
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 1-1,8]			
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 375

TRT#: 8

SEX: Female

DAY ON TEST: 606

DOSE: 160 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202805

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Syncytial Alteration	Minimal
	[Hepatocellular Adenoma TGLS = 4-8,5-10,6-10]		
	[Hepatocellular Carcinoma TGLS = 3-1,2-9]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery		Lymphoma Malignant	
	[Lymphoma Malignant TGLS = 1-8]		
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 376

TRT#: 8

SEX: Female

DAY ON TEST: 716

DOSE: 160 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202806

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Syncytial Alteration	Minimal
	[Hepatocellular Adenoma TGLS = 1-1,8]		
	[Hepatocellular Carcinoma TGLS = 1-8]		
* Lymph Node, Mesenteric		Necrosis	Mild
Note: pancreatic ly.nd, substituted for mesenteric			
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Adenoma

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 378

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202808

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-1,9]		
	[Hepatocellular Carcinoma TGLS = 1-9]		
* Lung		Inflammation	Chronic, Mild
	[Inflammation TGLS = 2-2]		
* Ovary		Atrophy	Moderate
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 379

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202809

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 3-1,9]		
	[Hepatocellular Carcinoma TGLS = 2-8,3-9]		
* Ovary		Atrophy	Moderate
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 380

TRT#: 8

SEX: Female

DAY ON TEST: 696

DOSE: 160 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202810

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Gallbladder	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Clitoral Gland	* Thymus
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OBSERVATIONS

* Bone Marrow	Myelofibrosis	Mild
* Kidney	Nephropathy	Moderate
* Liver	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	Multiple
	Syncytial Alteration	Minimal
[Hepatocellular Adenoma TGLS = 1-1,2,8]		
[Hepatocellular Carcinoma TGLS = 1-1,8]		
* Lymph Node, Mesenteric	Necrosis	Mild
* Ovary	Atrophy	Marked
* Thyroid Gland	Follicular Cel Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 381	TRT#: 8	SEX: Female	DAY ON TEST: 585
	DOSE: 160 MG/KG	DISP: Natural Death	HISTO: 9202811

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Pancreas	* Pituitary Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-8 2-1 3-2,8]		
	[Hepatocellular Carcinoma TGLS = 3-8]		
* Ovary		Atrophy	Moderate
* Skin	SOA	Acanthosis	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicle	Cyst	Moderate
	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Adenoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 382

TRT#: 8

SEX: Female

DAY ON TEST: 607

DOSE: 160 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202812

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Syncytial Alteration	Minimal
[Hepatocellular Adenoma TGLS = 1-8,2-1]			
[Hepatocellular Carcinoma TGLS = 3-9]			
* Ovary		Atrophy	Moderate
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Adenoma

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 383

TRT#: 8

SEX: Female

DAY ON TEST: 709

DOSE: 160 MG/KG

DISP: Natural Death

HISTO: 9202813

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Thymus

OBSERVATIONS

* Liver	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLS = 1-1,8]		
[Hepatocellular Carcinoma TGLS = 1-1]		
* Lymph Node, Mesenteric	Necrosis	Mild
* Ovary	Atrophy	Marked
* Spleen	Hematopoietic Cell Proliferation	Marked
* Thyroid Gland	Follicular Cel	Mild
	Hyperplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Adenoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 384

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202814

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* 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
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Bone Marrow		Myelofibrosis	Mild
Eye		Degeneration	Marked
[Degeneration TGLS = 2-9]			
Harderian Gland		Adenoma	
[Adenoma TGLS = 1-9]			
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLS = 6-1,10]			
[Hepatocellular Carcinoma TGLS = 5-8 6-1,10]			
* Ovary		Atrophy	Moderate
	Follicle	Cyst	Moderate
[Cyst TGLS = 4-6]			
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 3-1]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 385	TRT#: 8	SEX: Female	DAY ON TEST: 658
	DOSE: 160 MG/KG	DISP: Natural Death	HISTO: 9202815

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Gallbladder	* Parathyroid Gland	* Pituitary Gland
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OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLS = 1-1,2-8]		
	[Hepatocellular Carcinoma TGLS = 2-8]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Adenoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 386

TRT#: 8

SEX: Female

DAY ON TEST: 721

DOSE: 160 MG/KG

DISP: Natural Death

HISTO: 9202816

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Syncytial Alteration	Mild
[Hepatocellular Adenoma TGLS = 1-1,8]			
[Hepatocellular Carcinoma TGLS = 1-1]			
* Ovary		Atrophy	Marked
		Hemangioma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Adenoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 387

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202817

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-1,8]		
	[Hepatocellular Carcinoma TGLS = 1-1,8]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 2-9]		
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 388

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202818

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Thymus

OBSERVATIONS

* Liver	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	Multiple
	Syncytial Alteration	Minimal
[Hepatocellular Adenoma TGLS = 1-1,8]		
[Hepatocellular Carcinoma TGLS = 1-1,8]		
* Ovary	Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 389

TRT#: 8

SEX: Female

DAY ON TEST: 701

DOSE: 160 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202819

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mesenteric	* Mammary Gland
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OBSERVATIONS

* Heart	Atrium	Thrombosis	Marked
[Thrombosis TGLS = 2-2]			
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Syncytial Alteration	Minimal
[Hepatocellular Adenoma TGLS = 1-1,8]			
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

- Heart Atrium Thrombosis

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocellular Adenoma

Animal Note: moribund sac due to heart thrombosis, and liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 390	TRT#: 8	SEX: Female	DAY ON TEST: 731
	DOSE: 160 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202820

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-1,8] [Hepatocellular Carcinoma TGLS = 1-8]		
* Ovary	Follicle	Atrophy Cyst	Marked Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 391

TRT#: 8

SEX: Female

DAY ON TEST: 599

DOSE: 160 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202821

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Thymus

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Minimal
	[Hepatocellular Adenoma TGLS = 1-1,8]		
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 392

TRT#: 8

SEX: Female

DAY ON TEST: 606

DOSE: 160 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202822

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
Eye		Degeneration	Marked
[Degeneration TGLS = 1-8]			
Harderian Gland		Carcinoma	
[Carcinoma TGLS = 2-8]			
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 3-1,9]		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 3-9]			
* Ovary		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Harderian Gland Carcinoma

Animal Note: moribund sac due to liver tumors and harderian gland tumor

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 393	TRT#: 8	SEX: Female	DAY ON TEST: 593
	DOSE: 160 MG/KG	DISP: Natural Death	HISTO: 9202823

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* 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	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mesenteric	* Parathyroid Gland
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OBSERVATIONS

* Bone Marrow	Myelofibrosis	Minimal
* Liver	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLS = 1-1,2-8,3-9]	
	[Hepatocellular Carcinoma TGLS = 2-8]	
* Ovary	Atrophy	Marked
* Spleen	Hematopoietic Cell Proliferation	Moderate
* Thymus	Atrophy	Mild
* Thyroid Gland	Follicular Cel	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 394

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202824

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Histiocytic Sarcoma	
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 4-8,5-10]			
* Lung		Histiocytic Sarcoma	
* Lymph Node, Mandibular		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 2-3]			
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
* Ovary		Atrophy	Marked
	Follicle	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 1-9]		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 1-9]			
* Thymus		Histiocytic Sarcoma	
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 3-6]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 395

TRT#: 8

SEX: Female

DAY ON TEST: 694

DOSE: 160 MG/KG

DISP: Natural Death

HISTO: 9202825

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-1,9] [Hepatocellular Carcinoma TGLS = 1-9]		
* Lymph Node, Mandibular		Necrosis	Moderate
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular		Necrosis	Focal, Mild
	Note: multiple foci [Necrosis TGLS = 2-8]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 396	TRT#: 8	SEX: Female	DAY ON TEST: 594
	DOSE: 160 MG/KG	DISP: Natural Death	HISTO: 9202826

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-1,2] [Hepatocellular Carcinoma TGLS = 1-1]		
* Ovary	Follicle	Atrophy Cyst	Moderate Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 397	TRT#: 8	SEX: Female	DAY ON TEST: 733
	DOSE: 160 MG/KG	DISP: Natural Death	HISTO: 9202827

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Nose
* Pancreas	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Mammary Gland	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 1-1,2]			
* Lymph Node, Mandibular		Necrosis	Marked
* Lymph Node, Mesenteric		Necrosis	Marked
* Ovary		Atrophy	Marked
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

Animal Note: COD liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 398

TRT#: 8

SEX: Female

DAY ON TEST: 641

DOSE: 160 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202828

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLS = 1-1,2]			
[Hepatocellular Carcinoma TGLS = 1-1]			
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

Animal Note: moribund sac due to liver tumors

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 399	TRT#: 8	SEX: Female	DAY ON TEST: 732
	DOSE: 160 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202829

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Gallbladder
* Heart	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Clitoral Gland

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLS = 1-9,2-8]		
* Ovary		Atrophy	Marked
	Follicle	Cyst	Mild
* Skin	SOA	Hyperkeratosis	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05162-10
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Diethanolamine
CAS Number: 111-42-2

Date Report Requested: 10/16/2014
Time Report Requested: 15:15:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 400	TRT#: 8	SEX: Female	DAY ON TEST: 732
	DOSE: 160 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202830

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 1-8,2-9]			
* Ovary		Atrophy	Moderate
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE