

Experiment Number: 97003-05
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**

Test Compound: 1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 10/16/2014
Time Report Requested: 15:48:01
First Dose M/F: NA / NA
Lab: MBA

C Number:	C97003C
Lock Date:	10/27/2000
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

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 CAS Number: 35691-65-7

Date Report Requested: 10/16/2014
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 First Dose M/F: NA / NA
 Lab: MBA

F 344/N Rat MALE	VEHICLE CONTROL	0.2 MG/KG	0.6 MG/KG	2.0 MG/KG	6.0 MG/KG	18.0 MG/KG
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Accidentally Killed						
Natural Death						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Esophagus	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(0)	(10)
Liver	(10)	(0)	(0)	(0)	(2)	(10)
Hepatodiaphragmatic Nodule					2 [2.0]	1 [2.0]
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Lymphocyte, Focal	1 [1.0]					1 [1.0]
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(10)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Chronic, Focal	1 [1.0]					

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

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First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat MALE	VEHICLE CONTROL	0.2 MG/KG	0.6 MG/KG	2.0 MG/KG	6.0 MG/KG	18.0 MG/KG
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(8)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(8)	(0)	(0)	(0)	(0)	(9)
Pituitary Gland	(9)	(0)	(0)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(10)	(0)	(0)	(0)	(0)	(10)
Preputial Gland	(10)	(0)	(0)	(0)	(0)	(8)
Ectasia						1 [2.0]
Inflammation, Chronic, Focal	1 [1.0]					
Prostate	(10)	(0)	(0)	(0)	(0)	(10)
Seminal Vesicle	(10)	(0)	(0)	(0)	(0)	(10)
Testes	(10)	(0)	(0)	(0)	(0)	(10)
Germinal Epith, Degeneration, Focal						1 [1.0]
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node	(0)	(0)	(0)	(0)	(0)	(1)
Deep Cervical, Hyperplasia						1 [2.0]
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Thymus	(10)	(0)	(0)	(0)	(0)	(10)
Hemorrhage, Focal	1 [1.0]					
INTEGUMENTARY SYSTEM						

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Experiment Number: 97003-05

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First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat MALE	VEHICLE CONTROL	0.2 MG/KG	0.6 MG/KG	2.0 MG/KG	6.0 MG/KG	18.0 MG/KG
Mammary Gland	(4)	(0)	(0)	(0)	(0)	(4)
Skin	(9)	(10)	(10)	(10)	(10)	(10)
SOA Dermis, Inflammation, Chronic Active, Focal				2 [1.0]	9 [1.0]	9 [1.3]
SOA Dermis, Sebaceous Gl, Hyperplasia				3 [1.0]	10 [1.1]	9 [1.4]
SOA Epidermis, Exudate						2 [2.0]
SOA Epidermis, Hyperkeratosis	1 [1.0]	8 [1.6]	6 [1.2]	8 [1.0]	10 [1.5]	10 [1.8]
SOA Epidermis, Hyperplasia	1 [1.0]	5 [1.0]	6 [1.0]	9 [1.0]	10 [1.3]	9 [1.8]
SOA Epidermis, Parakeratosis, Focal						1 [1.0]
Skin, Control	(0)	(0)	(0)	(0)	(1)	(4)
Epider, Hyperkeratosis					1 [1.0]	4 [1.0]
Epider, Hyperplasia						1 [1.0]
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(0)	(0)	(10)
Hemorrhage, Focal	1 [2.0]					
Nose	(10)	(0)	(0)	(0)	(0)	(10)
Hemorrhage, Focal	1 [1.0]					
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(0)	(1)	(10)
URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(0)	(0)	(10)
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(10)

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Experiment Number: 97003-05

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/16/2014

Time Report Requested: 15:48:01

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat MALE	VEHICLE CONTROL	0.2 MG/KG	0.6 MG/KG	2.0 MG/KG	6.0 MG/KG	18.0 MG/KG
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a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

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 CAS Number: 35691-65-7

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 First Dose M/F: NA / NA
 Lab: MBA

F 344/N Rat MALE	CONTROL SPECIAL	0.2MG/KGSPECIAL	0.6MG/KGSPECIAL	2.0MG/KGSPECIAL	6.0MG/KGSPECIAL	18MG/KG SPECIAL
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Accidentally Killed		1			2	
Natural Death				1		
Survivors						
Terminal Sacrifice	10	9	10	9	8	10
Animals Examined Microscopically						
ALIMENTARY SYSTEM						
Esophagus	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Cecum	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Colon	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Rectum	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Duodenum	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Ileum	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Jejunum	(0)	(0)	(0)	(0)	(0)	(0)
Liver	(0)	(0)	(0)	(0)	(0)	(0)
Hepatodiaphragmatic Nodule						
Pancreas	(0)	(0)	(0)	(0)	(0)	(0)
Infiltration Cellular, Lymphocyte, Focal						
Salivary Glands	(0)	(0)	(0)	(0)	(0)	(0)
Stomach, Forestomach	(0)	(0)	(0)	(0)	(0)	(0)
Stomach, Glandular	(0)	(0)	(0)	(0)	(0)	(0)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(0)	(0)	(0)	(0)	(0)	(0)
Heart	(0)	(0)	(0)	(0)	(0)	(0)
Inflammation, Chronic, Focal						

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

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First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat MALE	CONTROL SPECIAL	0.2MG/KGSPECIAL	0.6MG/KGSPECIAL	2.0MG/KGSPECIAL	6.0MG/KGSPECIAL	18MG/KG SPECIAL
ENDOCRINE SYSTEM						
Adrenal Cortex	(0)	(0)	(0)	(0)	(0)	(0)
Adrenal Medulla	(0)	(0)	(0)	(0)	(0)	(0)
Islets, Pancreatic	(0)	(0)	(0)	(0)	(0)	(0)
Parathyroid Gland	(0)	(0)	(0)	(0)	(0)	(0)
Pituitary Gland	(0)	(0)	(0)	(0)	(0)	(0)
Thyroid Gland	(0)	(0)	(0)	(0)	(0)	(0)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(0)	(0)	(0)	(0)	(0)	(0)
Preputial Gland	(0)	(0)	(0)	(0)	(0)	(0)
Ectasia						
Inflammation, Chronic, Focal						
Prostate	(0)	(0)	(0)	(0)	(0)	(0)
Seminal Vesicle	(0)	(0)	(0)	(0)	(0)	(0)
Testes	(0)	(0)	(0)	(0)	(0)	(0)
Germinal Epith, Degeneration, Focal						
HEMATOPOIETIC SYSTEM						
Bone Marrow	(0)	(0)	(0)	(0)	(0)	(0)
Lymph Node	(0)	(0)	(0)	(0)	(0)	(0)
Deep Cervical, Hyperplasia						
Lymph Node, Mesenteric	(0)	(0)	(0)	(0)	(0)	(0)
Spleen	(0)	(0)	(0)	(0)	(0)	(0)
Thymus	(0)	(0)	(0)	(0)	(0)	(0)
Hemorrhage, Focal						
INTEGUMENTARY SYSTEM						

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

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First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat MALE	CONTROL SPECIAL	0.2MG/KGSPECIAL	0.6MG/KGSPECIAL	2.0MG/KGSPECIAL	6.0MG/KGSPECIAL	18MG/KG SPECIAL
Mammary Gland	(0)	(0)	(0)	(0)	(0)	(0)
Skin	(0)	(0)	(0)	(0)	(0)	(0)
SOA Dermis, Inflammation, Chronic Active, Focal						
SOA Dermis, Sebaceous Gl, Hyperplasia						
SOA Epidermis, Exudate						
SOA Epidermis, Hyperkeratosis						
SOA Epidermis, Hyperplasia						
SOA Epidermis, Parakeratosis, Focal						
Skin, Control	(0)	(0)	(0)	(0)	(0)	(0)
Epider, Hyperkeratosis						
Epider, Hyperplasia						
MUSCULOSKELETAL SYSTEM						
Bone	(0)	(0)	(0)	(0)	(0)	(0)
NERVOUS SYSTEM						
Brain	(0)	(0)	(0)	(0)	(0)	(0)
RESPIRATORY SYSTEM						
Lung	(0)	(0)	(0)	(0)	(0)	(0)
Hemorrhage, Focal						
Nose	(0)	(0)	(0)	(0)	(0)	(0)
Hemorrhage, Focal						
Trachea	(0)	(0)	(0)	(0)	(0)	(0)
SPECIAL SENSES SYSTEM						
Eye	(0)	(0)	(0)	(0)	(0)	(0)
URINARY SYSTEM						
Kidney	(0)	(0)	(0)	(0)	(0)	(0)
Urinary Bladder	(0)	(0)	(0)	(0)	(0)	(0)

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Experiment Number: 97003-05

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

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First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat MALE

CONTROL SPECIAL

0.2MG/KGSPECIAL

0.6MG/KGSPECIAL

2.0MG/KGSPECIAL

6.0MG/KGSPECIAL

18MG/KG SPECIAL

END OF MALE DATA

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

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 Lab: MBA

F 344/N Rat FEMALE	VEHICLE CONTROL	0.2 MG/KG	0.6 MG/KG	2.0 MG/KG	6.0 MG/KG	18.0 MG/KG
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Accidentally Killed						
Natural Death				1		
Terminal Sacrifice	10	10	10	9	10	10
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Esophagus	(10)	(0)	(0)	(1)	(0)	(10)
Intestine Large, Cecum	(9)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(9)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(9)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(9)	(0)	(0)	(0)	(0)	(10)
Liver	(10)	(0)	(2)	(1)	(0)	(10)
Hepatodiaphragmatic Nodule	1 [1.0]		2 [1.5]			
Hepatodiaphragmatic Nodule, Focal				1 [1.0]		
Infiltration Cellular, Mononuclear Cl, Focal						1 [1.0]
Inflammation, Chronic Active, Focal	5 [1.4]					3 [1.0]
Mesentery	(0)	(1)	(0)	(0)	(1)	(0)
Fat, Necrosis, Focal		1 [4.0]			1 [4.0]	
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Atrophy, Focal						1 [1.0]
Infiltration Cellular, Lymphocyte, Focal	2 [1.0]					3 [1.7]
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(1)	(0)	(10)

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Lab: MBA

F 344/N Rat FEMALE	VEHICLE CONTROL	0.2 MG/KG	0.6 MG/KG	2.0 MG/KG	6.0 MG/KG	18.0 MG/KG
Stomach, Glandular	(10)	(0)	(0)	(1)	(0)	(10)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(10)	(0)	(0)	(1)	(0)	(10)
Heart	(10)	(0)	(0)	(1)	(0)	(10)
Inflammation, Chronic, Focal	1 [1.0]					2 [1.0]
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(1)	(0)	(10)
Adrenal Medulla	(10)	(0)	(0)	(1)	(0)	(9)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(10)	(0)	(0)	(1)	(0)	(8)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(9)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(8)	(0)	(0)	(0)	(0)	(7)
Atrophy						1 [1.0]
Infiltration Cellular, Lymphocyte, Focal	1 [1.0]					
Inflammation, Chronic, Focal						1 [1.0]
Ovary	(10)	(0)	(0)	(0)	(1)	(10)
Cyst					1 [2.0]	
Uterus	(10)	(0)	(0)	(0)	(0)	(10)
Bilateral, Hydrometra						1 [1.0]
Hydrometra	1 [2.0]					
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node	(0)	(2)	(0)	(1)	(1)	(0)

a - Number of animals examined microscopically at site and number of animals with lesion

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Lab: MBA

F 344/N Rat FEMALE	VEHICLE CONTROL	0.2 MG/KG	0.6 MG/KG	2.0 MG/KG	6.0 MG/KG	18.0 MG/KG
Deep Cervical, Hyperplasia		2 [1.5]			1 [1.0]	
Hyperplasia				1 [1.0]		
Lymph Node, Mandibular	(1)	(0)	(0)	(0)	(0)	(2)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Thymus	(10)	(0)	(0)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(0)	(0)	(1)	(0)	(10)
Skin	(10)	(10)	(10)	(10)	(10)	(10)
SOA Dermis, Inflammation, Chronic Active, Focal			2 [1.0]	10 [1.0]	7 [1.0]	10 [1.0]
SOA Dermis, Sebaceous GI, Hyperplasia					2 [1.0]	3 [1.0]
SOA Epidermis, Hyperkeratosis		4 [1.0]	6 [1.0]	10 [1.6]	10 [1.1]	9 [1.2]
SOA Epidermis, Hyperplasia			1 [1.0]	10 [1.0]	7 [1.3]	10 [1.2]
Skin, Control	(0)	(0)	(0)	(0)	(0)	(1)
Epider, Hyperkeratosis						1 [1.0]
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(1)	(0)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(1)	(0)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(1)	(0)	(10)
Alveolus, Inflammation, Diffuse				1 [3.0]		
Nose	(10)	(0)	(0)	(1)	(0)	(10)
Infiltration Cellular, Lymphocyte	1 [1.0]					
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Experiment Number: 97003-05

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/16/2014

Time Report Requested: 15:48:01

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat FEMALE	VEHICLE CONTROL	0.2 MG/KG	0.6 MG/KG	2.0 MG/KG	6.0 MG/KG	18.0 MG/KG
Eye	(10)	(0)	(0)	(0)	(0)	(10)
URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(1)	(0)	(10)
Casts Granular						1 [2.0]
Urinary Bladder	(10)	(0)	(0)	(1)	(0)	(10)

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Experiment Number: 97003-05
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: Rat/F 344/N

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
 AVERAGE SEVERITY GRADES[b]**
 Test Compound: 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 10/16/2014
 Time Report Requested: 15:48:01
 First Dose M/F: NA / NA
 Lab: MBA

F 344/N Rat FEMALE	CONTROL SPECIAL	0.2MG/KGSPECIAL	0.6MG/KGSPECIAL	2.0MG/KGSPECIAL	6.0MG/KGSPECIAL	18MG/KG SPECIAL
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Accidentally Killed				1		
Natural Death						
Terminal Sacrifice	10	10	10	9	10	10
Animals Examined Microscopically						
ALIMENTARY SYSTEM						
Esophagus	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Cecum	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Colon	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Rectum	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Duodenum	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Ileum	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Jejunum	(0)	(0)	(0)	(0)	(0)	(0)
Liver	(0)	(0)	(0)	(0)	(0)	(0)
Hepatodiaphragmatic Nodule						
Hepatodiaphragmatic Nodule, Focal						
Infiltration Cellular, Mononuclear CI, Focal						
Inflammation, Chronic Active, Focal						
Mesentery	(0)	(0)	(0)	(0)	(0)	(0)
Fat, Necrosis, Focal						
Pancreas	(0)	(0)	(0)	(0)	(0)	(0)
Atrophy, Focal						
Infiltration Cellular, Lymphocyte, Focal						
Salivary Glands	(0)	(0)	(0)	(0)	(0)	(0)
Stomach, Forestomach	(0)	(0)	(0)	(0)	(0)	(0)

a - Number of animals examined microscopically at site and number of animals with lesion
 b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Experiment Number: 97003-05

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
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Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/16/2014

Time Report Requested: 15:48:01

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat FEMALE	CONTROL SPECIAL	0.2MG/KGSPECIAL	0.6MG/KGSPECIAL	2.0MG/KGSPECIAL	6.0MG/KGSPECIAL	18MG/KG SPECIAL
Stomach, Glandular	(0)	(0)	(0)	(0)	(0)	(0)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(0)	(0)	(0)	(0)	(0)	(0)
Heart	(0)	(0)	(0)	(0)	(0)	(0)
Inflammation, Chronic, Focal						
ENDOCRINE SYSTEM						
Adrenal Cortex	(0)	(0)	(0)	(0)	(0)	(0)
Adrenal Medulla	(0)	(0)	(0)	(0)	(0)	(0)
Islets, Pancreatic	(0)	(0)	(0)	(0)	(0)	(0)
Parathyroid Gland	(0)	(0)	(0)	(0)	(0)	(0)
Pituitary Gland	(0)	(0)	(0)	(0)	(0)	(0)
Thyroid Gland	(0)	(0)	(0)	(0)	(0)	(0)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(0)	(0)	(0)	(0)	(0)	(0)
Atrophy						
Infiltration Cellular, Lymphocyte, Focal						
Inflammation, Chronic, Focal						
Ovary	(0)	(0)	(0)	(0)	(0)	(0)
Cyst						
Uterus	(0)	(0)	(0)	(0)	(0)	(0)
Bilateral, Hydrometra						
Hydrometra						
HEMATOPOIETIC SYSTEM						
Bone Marrow	(0)	(0)	(0)	(0)	(0)	(0)
Lymph Node	(0)	(0)	(0)	(0)	(0)	(0)

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Experiment Number: 97003-05

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Route: SKIN APPLICATION

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CAS Number: 35691-65-7

Date Report Requested: 10/16/2014

Time Report Requested: 15:48:01

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat FEMALE	CONTROL SPECIAL	0.2MG/KGSPECIAL	0.6MG/KGSPECIAL	2.0MG/KGSPECIAL	6.0MG/KGSPECIAL	18MG/KG SPECIAL
Deep Cervical, Hyperplasia						
Hyperplasia						
Lymph Node, Mandibular	(0)	(0)	(0)	(0)	(0)	(0)
Lymph Node, Mesenteric	(0)	(0)	(0)	(0)	(0)	(0)
Spleen	(0)	(0)	(0)	(0)	(0)	(0)
Thymus	(0)	(0)	(0)	(0)	(0)	(0)
INTEGUMENTARY SYSTEM						
Mammary Gland	(0)	(0)	(0)	(0)	(0)	(0)
Skin	(0)	(0)	(0)	(0)	(0)	(0)
SOA Dermis, Inflammation, Chronic Active, Focal						
SOA Dermis, Sebaceous GI, Hyperplasia						
SOA Epidermis, Hyperkeratosis						
SOA Epidermis, Hyperplasia						
Skin, Control	(0)	(0)	(0)	(0)	(0)	(0)
Epider, Hyperkeratosis						
MUSCULOSKELETAL SYSTEM						
Bone	(0)	(0)	(0)	(0)	(0)	(0)
NERVOUS SYSTEM						
Brain	(0)	(0)	(0)	(0)	(0)	(0)
RESPIRATORY SYSTEM						
Lung	(0)	(0)	(0)	(0)	(0)	(0)
Alveolus, Inflammation, Diffuse						
Nose	(0)	(0)	(0)	(0)	(0)	(0)
Infiltration Cellular, Lymphocyte						
Trachea	(0)	(0)	(0)	(0)	(0)	(0)
SPECIAL SENSES SYSTEM						

a - Number of animals examined microscopically at site and number of animals with lesion

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F 344/N Rat FEMALE	CONTROL SPECIAL	0.2MG/KGSPECIAL	0.6MG/KGSPECIAL	2.0MG/KGSPECIAL	6.0MG/KGSPECIAL	18MG/KG SPECIAL
Eye	(0)	(0)	(0)	(0)	(0)	(0)
URINARY SYSTEM						
Kidney	(0)	(0)	(0)	(0)	(0)	(0)
Casts Granular						
Urinary Bladder	(0)	(0)	(0)	(0)	(0)	(0)

**** END OF REPORT ****

a - Number of animals examined microscopically at site and number of animals with lesion

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