

Experiment Number: 99028-04
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

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

Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/22/2014
Time Report Requested: 00:11:49
First Dose M/F: NA / NA
Lab: BAT

C Number:	C99028
Lock Date:	10/07/2002
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

Experiment Number: 99028-04
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: Mouse/B6C3F1

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
 AVERAGE SEVERITY GRADES[b]**
 Test Compound: bis(2-Chloroethoxy)methane
 CAS Number: 111-91-1

Date Report Requested: 10/22/2014
 Time Report Requested: 00:11:49
 First Dose M/F: NA / NA
 Lab: BAT

B6C3F1 Mouse MALE	0 MG/KG	50 MG/KG	100 MG/KG	200 MG/KG	400 MG/KG	600 MG/KG
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
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)
Gallbladder	(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)	(10)	(10)	(10)	(10)	(10)
Infiltration Cellular, Mixed Cell	1 [1.0]	2 [1.0]	1 [1.0]	4 [1.0]		4 [1.0]
Infiltration Cellular, Mononuclear CI	3 [1.0]					
Necrosis, Focal				1 [1.0]		
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Acute	1 [1.0]					
CARDIOVASCULAR SYSTEM						
Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
Heart	(10)	(10)	(10)	(10)	(10)	(10)
Cardiomyopathy	1 [2.0]					

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: 99028-04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

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

Test Compound: bis(2-Chloroethoxy)methane

CAS Number: 111-91-1

Date Report Requested: 10/22/2014

Time Report Requested: 00:11:49

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse MALE	0 MG/KG	50 MG/KG	100 MG/KG	200 MG/KG	400 MG/KG	600 MG/KG
Mineralization					1 [1.0]	
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Accessory Adrenal Cortical Nodule	1 [1.0]					2 [1.0]
Subcapsular, Hyperplasia	4 [1.0]					6 [1.0]
Vacuolization Cytoplasmic, Focal	1 [1.0]					
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(10)	(0)	(0)	(0)	(0)	(9)
Cyst						1 [1.0]
Pituitary Gland	(10)	(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)	(10)
Infiltration Cellular, Lymphocyte	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)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node, Mandibular	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Hematopoietic Cell Proliferation	10 [1.0]					10 [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)

Experiment Number: 99028-04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

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

Test Compound: bis(2-Chloroethoxy)methane

CAS Number: 111-91-1

Date Report Requested: 10/22/2014

Time Report Requested: 00:11:49

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse MALE	0 MG/KG	50 MG/KG	100 MG/KG	200 MG/KG	400 MG/KG	600 MG/KG
Thymus	(10)	(0)	(0)	(0)	(0)	(10)
Cyst	1 [1.0]					3 [1.0]
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Skin	(10)	(0)	(0)	(0)	(0)	(10)
SOA Dermis, Inflammation, Chronic	3 [1.0]					2 [1.0]
SOA Epidermis, Hyperplasia	4 [1.0]					8 [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)
Inflammation, Suppurative, Acute, Focal	1 [1.0]					
Nose	(10)	(0)	(0)	(0)	(0)	(10)
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(0)	(0)	(10)
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Casts Protein, Focal						1 [1.0]
Cortex, Vacuolization Cytoplasmic	10 [2.0]	10 [2.0]	10 [2.0]	10 [2.0]	10 [2.0]	10 [2.0]
Mineralization	1 [1.0]					2 [1.0]
Nephropathy	2 [1.0]	1 [1.0]		1 [1.0]	1 [1.0]	3 [1.0]
Pelvis, Dilatation						1 [2.0]
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: 99028-04
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/22/2014
Time Report Requested: 00:11:49
First Dose M/F: NA / NA
Lab: BAT

B6C3F1 Mouse MALE

0 MG/KG

50 MG/KG

100 MG/KG

200 MG/KG

400 MG/KG

600 MG/KG

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)

Experiment Number: 99028-04
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: Mouse/B6C3F1

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
 AVERAGE SEVERITY GRADES[b]**
 Test Compound: bis(2-Chloroethoxy)methane
 CAS Number: 111-91-1

Date Report Requested: 10/22/2014
 Time Report Requested: 00:11:49
 First Dose M/F: NA / NA
 Lab: BAT

B6C3F1 Mouse FEMALE	0 MG/KG	50 MG/KG	100 MG/KG	200 MG/KG	400 MG/KG	600 MG/KG
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Moribund Sacrifice						2
Natural Death						1
Survivors						
Terminal Sacrifice	10	10	10	10	10	7
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Esophagus	(10)	(0)	(0)	(0)	(0)	(10)
Gallbladder	(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)
Inflammation, Suppurative, Acute, Focal						1 [1.0]
Thrombosis, Multiple						1 [1.0]
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(0)	(10)
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Infiltration Cellular, Mixed Cell Necrosis, Focal	8 [1.1]	6 [1.0]	5 [1.0] 1 [1.0]	6 [1.0]	3 [1.0]	3 [1.0]
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(10)
Erosion, Acute, Focal						1 [1.0]
CARDIOVASCULAR 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: 99028-04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

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

Test Compound: bis(2-Chloroethoxy)methane

CAS Number: 111-91-1

Date Report Requested: 10/22/2014

Time Report Requested: 00:11:49

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse FEMALE	0 MG/KG	50 MG/KG	100 MG/KG	200 MG/KG	400 MG/KG	600 MG/KG
Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
Heart	(10)	(10)	(10)	(10)	(10)	(10)
Myocardium, Vacuolization Cytoplasmic					4 [1.0]	5 [1.6]
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Accessory Adrenal Cortical Nodule	1 [1.0]					1 [1.0]
Subcapsular, Hyperplasia	10 [1.1]					10 [1.1]
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(10)	(0)	(0)	(0)	(0)	(9)
Cyst						2 [1.0]
Infiltration Cellular, Mononuclear Cl						1 [1.0]
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Cyst						1 [1.0]
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(10)	(0)	(0)	(0)	(0)	(10)
Ovary	(10)	(0)	(0)	(0)	(0)	(10)
Uterus	(10)	(0)	(0)	(0)	(0)	(10)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node, Mandibular	(10)	(10)	(10)	(10)	(10)	(10)
Necrosis, Lymphoid				1 [1.0]		5 [1.4]
Lymph Node, Mesenteric	(10)	(10)	(10)	(10)	(10)	(10)
Necrosis, Lymphoid						3 [1.7]

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: 99028-04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

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

Test Compound: bis(2-Chloroethoxy)methane

CAS Number: 111-91-1

Date Report Requested: 10/22/2014

Time Report Requested: 00:11:49

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse FEMALE	0 MG/KG	50 MG/KG	100 MG/KG	200 MG/KG	400 MG/KG	600 MG/KG
Spleen	(10)	(9)	(9)	(8)	(7)	(10)
Hematopoietic Cell Proliferation Necrosis, Lymphoid	10 [1.3]	9 [1.7]	9 [1.2]	8 [1.6]	7 [1.7]	10 [1.1] 3 [1.7]
Thymus	(10)	(10)	(10)	(10)	(10)	(10)
Necrosis, Lymphoid						4 [2.8]
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(0)	(0)	(0)	(0)	(9)
Skin	(10)	(0)	(0)	(0)	(0)	(10)
SOA Dermis, Inflammation, Chronic	4 [1.0]					9 [1.0]
SOA Epidermis, Hyperplasia	8 [1.0]					9 [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)
Congestion, Acute						2 [2.0]
Interstitial, Infiltration Cellular, Mononuclear Cl, Focal	1 [1.0]					
Nose	(10)	(0)	(0)	(0)	(0)	(10)
Olfactory Epi, Cyst						1
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(0)	(0)	(10)
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(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: 99028-04
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/22/2014
Time Report Requested: 00:11:49
First Dose M/F: NA / NA
Lab: BAT

B6C3F1 Mouse FEMALE	0 MG/KG	50 MG/KG	100 MG/KG	200 MG/KG	400 MG/KG	600 MG/KG
Casts Protein						1 [1.0]
Casts Protein, Focal Mineralization	1 [1.0]	2 [1.0]	3 [1.0]	1 [1.0]		1 [1.0]
Nephropathy		1 [1.0]		1 [1.0]		1 [1.0]
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(10)

** END OF REPORT **

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)