

**Experiment Number:** 97003-02  
**Test Type:** 14-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:** 1,2-Dibromo-2,4-dicyanobutane  
**CAS Number:** 35691-65-7

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 01:01:13  
**First Dose M/F:** NA / NA  
**Lab:** MBA

<b>C Number:</b>	C97003B
<b>Lock Date:</b>	03/31/1999
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

Experiment Number: 97003-02  
 Test Type: 14-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: 1,2-Dibromo-2,4-dicyanobutane  
 CAS Number: 35691-65-7

Date Report Requested: 10/21/2014  
 Time Report Requested: 01:01:13  
 First Dose M/F: NA / NA  
 Lab: MBA

B6C3F1 Mouse MALE	VEHICLE CONTROL	75 MG/KG	150 MG/KG	300 MG/KG	600 MG/KG	1200 MG/KG
<b>Disposition Summary</b>						
Animals Initially In Study	5	5	5	5	5	5
Early Deaths						
Survivors						
Terminal Sacrifice	5	5	5	5	5	5
Animals Examined Microscopically	5	5	5	5	5	5
ALIMENTARY SYSTEM						
None						
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
None						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
None						
HEMATOPOIETIC SYSTEM						
None						
INTEGUMENTARY SYSTEM						
Skin	(5)	(5)	(5)	(5)	(5)	(5)
Dermis, SOA, Necrosis				4 [2.0]	4 [2.5]	5 [3.4]
Epidermis, SOA, Hyperplasia		5 [3.2]	5 [3.0]	5 [3.4]	4 [3.5]	5 [3.2]
Epidermis, SOA, Necrosis		3 [2.3]	5 [2.0]	5 [2.2]	5 [2.6]	5 [3.4]
Epidermis, SOA, Ulcer		1 [3.0]	4 [3.8]	5 [2.8]	5 [2.4]	5 [1.8]
SOA, Hyperkeratosis		4 [2.3]	4 [1.8]	5 [1.6]	4 [2.5]	5 [2.4]
SOA, Inflammation, Chronic Active		5 [1.6]	5 [2.2]	5 [2.8]	5 [3.2]	5 [3.4]

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:** 97003-02  
**Test Type:** 14-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:** 1,2-Dibromo-2,4-dicyanobutane  
**CAS Number:** 35691-65-7

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 01:01:13  
**First Dose M/F:** NA / NA  
**Lab:** MBA

<b>B6C3F1 Mouse MALE</b>	<b>VEHICLE CONTROL</b>	<b>75 MG/KG</b>	<b>150 MG/KG</b>	<b>300 MG/KG</b>	<b>600 MG/KG</b>	<b>1200 MG/KG</b>
SOA, Parakeratosis		5 [1.0]	5 [1.2]	5 [1.8]	4 [1.8]	5 [1.8]
SOA, Sebaceous GI, Hyperplasia		4 [1.5]	5 [1.6]	4 [2.0]	3 [1.0]	3 [1.7]
SOA, Sebaceous GI, Hyperplasia, Focal		1 [2.0]				
<b>MUSCULOSKELETAL SYSTEM</b>						
None						
<b>NERVOUS SYSTEM</b>						
None						
<b>RESPIRATORY SYSTEM</b>						
None						
<b>SPECIAL SENSES SYSTEM</b>						
None						
<b>URINARY SYSTEM</b>						
None						

\*\*\*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: 97003-02  
 Test Type: 14-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: 1,2-Dibromo-2,4-dicyanobutane  
 CAS Number: 35691-65-7

Date Report Requested: 10/21/2014  
 Time Report Requested: 01:01:13  
 First Dose M/F: NA / NA  
 Lab: MBA

B6C3F1 Mouse FEMALE	VEHICLE CONTROL	75 MG/KG	150 MG/KG	300 MG/KG	600 MG/KG	1200 MG/KG
<b>Disposition Summary</b>						
Animals Initially In Study	5	5	5	5	5	5
Early Deaths						
Survivors						
Terminal Sacrifice	5	5	5	5	5	5
Animals Examined Microscopically	5	5	5	5	5	5
ALIMENTARY SYSTEM						
None						
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
None						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
None						
HEMATOPOIETIC SYSTEM						
Lymph Node, Mandibular	(1)	(0)	(0)	(0)	(0)	(0)
Hyperplasia, Diffuse	1 [3.0]					
Spleen	(0)	(0)	(0)	(0)	(0)	(1)
Hematopoietic Cell Proliferation, Diffuse						1 [4.0]
INTEGUMENTARY SYSTEM						
Skin	(5)	(5)	(5)	(5)	(5)	(5)
Dermis, SOA, Necrosis		4 [1.3]	5 [1.8]	5 [2.4]	3 [2.7]	5 [3.4]
Epidermis, SOA, Hyperplasia	1 [1.0]	5 [3.2]	5 [2.8]	5 [2.8]	5 [3.0]	5 [2.8]
Epidermis, SOA, Necrosis		5 [2.0]	5 [2.8]	5 [2.8]	4 [2.5]	5 [3.6]

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:** 97003-02  
**Test Type:** 14-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:** 1,2-Dibromo-2,4-dicyanobutane  
**CAS Number:** 35691-65-7

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 01:01:13  
**First Dose M/F:** NA / NA  
**Lab:** MBA

<b>B6C3F1 Mouse FEMALE</b>	<b>VEHICLE CONTROL</b>	<b>75 MG/KG</b>	<b>150 MG/KG</b>	<b>300 MG/KG</b>	<b>600 MG/KG</b>	<b>1200 MG/KG</b>
Epidermis, SOA, Ulcer		2 [2.0]	4 [2.3]	2 [2.0]	5 [2.2]	4 [2.0]
SOA, Hyperkeratosis		5 [2.0]	5 [2.4]	4 [1.8]	5 [1.8]	5 [2.0]
SOA, Inflammation, Chronic Active	1 [1.0]	5 [2.2]	5 [2.6]	5 [2.6]	5 [2.6]	5 [3.6]
SOA, Parakeratosis		5 [2.0]	3 [1.7]	5 [1.6]	5 [2.2]	4 [1.3]
SOA, Sebaceous Gl, Hyperplasia		5 [1.4]	4 [1.5]	4 [2.0]	4 [1.8]	2 [2.0]
<b>MUSCULOSKELETAL SYSTEM</b>						
None						
<b>NERVOUS SYSTEM</b>						
None						
<b>RESPIRATORY SYSTEM</b>						
None						
<b>SPECIAL SENSES SYSTEM</b>						
None						
<b>URINARY SYSTEM</b>						
None						

**\*\* 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)