

Experiment Number: 97003-01
Test Type: 14-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: 10/19/2014
Time Report Requested: 16:24:20
First Dose M/F: NA / NA
Lab: MBA

C Number:	C97003B
Lock Date:	03/31/1999
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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F 344/N Rat MALE	VEHICLE CONTROL	37.5 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG	600 MG/KG
Disposition Summary						
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						
Liver	(1)	(0)	(0)	(0)	(0)	(0)
Hepatodiaphragmatic Nodule	1					
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
None						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
None						
HEMATOPOIETIC SYSTEM						
Spleen	(0)	(0)	(0)	(0)	(0)	(1)
Accessory Spleen						1
Hematopoietic Cell Proliferation, Diffuse						1 [2.0]
INTEGUMENTARY SYSTEM						
Skin	(5)	(5)	(5)	(5)	(5)	(5)
Dermis, SOA, Necrosis			1 [2.0]			
Epidermis, SOA, Hyperplasia		5 [2.2]	5 [2.2]	5 [2.6]	5 [2.4]	5 [2.8]
Epidermis, SOA, Necrosis		3 [2.7]	2 [2.0]	5 [2.6]	4 [3.3]	3 [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)

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F 344/N Rat MALE	VEHICLE CONTROL	37.5 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG	600 MG/KG
Epidermis, SOA, Ulcer		1 [1.0]		3 [3.0]	4 [2.8]	3 [2.7]
SOA, Hyperkeratosis		5 [1.2]	5 [1.6]	5 [1.0]	3 [2.0]	5 [1.6]
SOA, Inflammation, Chronic Active		4 [1.5]	5 [1.6]	5 [2.2]	5 [2.4]	5 [2.4]
SOA, Necrosis		1 [2.0]				
SOA, Parakeratosis		3 [1.7]		3 [1.0]	1 [1.0]	1 [1.0]
SOA, Sebaceous GI, Hyperplasia		5 [2.4]	5 [2.4]	5 [2.4]	5 [2.2]	5 [2.0]
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
None						
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
None						

END OF MALE DATA

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

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F 344/N Rat FEMALE	VEHICLE CONTROL	37.5 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG	600 MG/KG
Disposition Summary						
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					1 [1.0]	
Epidermis, SOA, Hyperplasia		5 [2.0]	5 [1.8]	5 [2.4]	5 [2.0]	5 [2.6]
Epidermis, SOA, Necrosis		2 [1.0]	4 [2.5]	4 [1.5]	4 [2.3]	4 [1.5]
Epidermis, SOA, Ulcer			3 [1.0]	1 [2.0]	1 [3.0]	4 [2.3]
SOA, Hyperkeratosis		5 [2.0]	4 [1.5]	5 [1.4]	5 [1.4]	5 [2.0]
SOA, Inflammation, Chronic Active		5 [1.2]	4 [2.0]	5 [2.2]	5 [2.0]	5 [2.2]

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F 344/N Rat FEMALE	VEHICLE CONTROL	37.5 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG	600 MG/KG
SOA, Parakeratosis		3 [1.0]	3 [1.0]	5 [1.2]	5 [1.6]	4 [1.5]
SOA, Sebaceous Gl, Hyperplasia		5 [1.4]	5 [1.2]	5 [1.2]	5 [2.0]	4 [2.0]
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
None						
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
None						

**** END OF REPORT ****

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