

TDMS No. 20303 - 03

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

Date Report Requested: 08/18/2006

Test Type: 90-DAY

VINYLDENE CHLORIDE

Time Report Requested: 14:33:15

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 75-35-4

First Dose M/F: 10/11/04 / 10/12/04

Species/Strain: RATS/F 344

Pathologist: KOOISTRA, L. - GRUMBEIN, S.

Lab: BNW

F1_R2

C Number: C20303
Lock Date: 06/01/2005
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL

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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FISCHER 344 RATS MALE	Control	6.25 ppm	12.5 ppm	25 ppm	50 ppm	100 ppm
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						
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Clear Cell Focus	1 [1.0]					
Hepatodiaphragmatic Nodule		1	1			
Vacuolization Cytoplasmic						1 [2.0]
Centrilobular, Cytoplasmic Alteration	1 [1.0]	1 [1.0]	6 [1.7]	10 [1.8]	10 [2.0]	10 [1.9]
Mesentery	(1)	(0)	(0)	(0)	(0)	(0)
Fat, Necrosis	1 [2.0]					
CARDIOVASCULAR SYSTEM						
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy	5 [1.0]					3 [1.0]
ENDOCRINE SYSTEM						
None						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
None						

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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Species/Strain: RATS/F 344

Pathologist: KOOISTRA, L. - GRUMBEIN, S.

Lab: BNW

FISCHER 344 RATS MALE	Control	6.25 ppm	12.5 ppm	25 ppm	50 ppm	100 ppm
HEMATOPOIETIC SYSTEM						
None						
INTEGUMENTARY SYSTEM						
Skin Subcutaneous Tissue, Inflammation, Granulomatous, Focal	(10) 1 [2.0]	(0)	(0)	(0)	(0)	(9)
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
Lung Inflammation, Acute Inflammation, Chronic Active	(10) 1 [1.0]	(10)	(10)	(10)	(10)	(10) 1 [1.0]
Nose Fibrosis Goblet Cell, Hyperplasia Olfactory Epithelium, Atrophy Olfactory Epithelium, Mineralization Olfactory Epithelium, Necrosis Turbinate, Atrophy	(10) 1 [2.0]	(10)	(10) 4 [1.0] 10 [1.3] 2 [1.0]	(10) 10 [1.0] 10 [2.0] 6 [1.0] 10 [1.0]	(10) 10 [1.7] 10 [2.9] 9 [1.0] 10 [2.0]	(10) 1 [1.0] 10 [2.2] 10 [3.0] 7 [1.7] 10 [2.2]
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						

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FISCHER 344 RATS MALE	Control	6.25 ppm	12.5 ppm	25 ppm	50 ppm	100 ppm
Kidney Nephropathy	(10) 6 [1.0]	(10) 3 [1.0]	(10) 4 [1.0]	(10) 4 [1.0]	(10) 3 [1.0]	(10) 1 [1.0]

*** END OF MALE ***

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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						
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Hepatodiaphragmatic Nodule			1		2	1
Inflammation, Granulomatous		1 [2.0]		1 [2.0]	1 [1.0]	1 [1.0]
Vacuolization Cytoplasmic					10 [1.1]	10 [1.0]
Mesentery	(0)	(0)	(0)	(0)	(0)	(2)
Fat, Hemorrhage						1 [3.0]
Fat, Necrosis						1 [2.0]
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Atrophy	1 [1.0]					1 [1.0]
CARDIOVASCULAR SYSTEM						
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy	1 [1.0]					1 [1.0]
ENDOCRINE SYSTEM						
None						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
None						

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HEMATOPOIETIC SYSTEM						
None						
INTEGUMENTARY SYSTEM						
None						
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
Larynx	(10)	(0)	(0)	(0)	(0)	(10)
Respiratory Epithelium, Inflammation, Acute						1 [2.0]
Lung	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Acute	2 [1.0]					
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Fibrosis					1 [1.0]	
Olfactory Epithelium, Atrophy		2 [1.0]	10 [1.0]	10 [1.3]	10 [1.7]	10 [2.4]
Olfactory Epithelium, Mineralization		5 [1.0]	9 [1.3]	10 [1.9]	10 [2.1]	10 [2.3]
Olfactory Epithelium, Necrosis		1 [1.0]	3 [1.3]	6 [1.5]	10 [2.2]	10 [1.6]
Turbinate, Atrophy			10 [1.0]	10 [2.0]	10 [2.2]	10 [3.0]
SPECIAL SENSES SYSTEM						
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)
Hyperplasia						1 [1.0]

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URINARY SYSTEM						
Kidney Nephropathy	(10)	(10)	(10)	(10) 2 [1.0]	(10)	(10)

*** END OF REPORT ***

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