

**TDMS No.** 20303 - 03

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** RATS/F 344

**P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)**

VINYLDENE CHLORIDE

**CAS Number:** 75-35-4

**Pathologist:** KOOISTRA, L. - GRUMBEIN, S.

F1\_R2

**Date Report Requested:** 08/18/2006

**Time Report Requested:** 14:33:15

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

**Lab:** BNW

**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

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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
<b>Disposition Summary</b>					
Animals Initially in Study	10	10	10	10	10
Early Deaths					
Survivors					
Terminal Sacrifice	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10
<b>ALIMENTARY SYSTEM</b>					
Liver	(10)	(10)	(10)	(10)	(10)
Clear Cell Focus	1 (10%)				
Hepatodiaphragmatic Nodule		1 (10%)	1 (10%)		
Vacuolization Cytoplasmic					
Centrilobular, Cytoplasmic Alteration	1 (10%)	1 (10%)	6 (60%)	10 (100%)	10 (100%)
Mesentery	(1)	(0)	(0)	(0)	(0)
Fat, Necrosis	1 (100%)				
<b>CARDIOVASCULAR SYSTEM</b>					
Heart	(10)	(0)	(0)	(0)	(0)
Cardiomyopathy	5 (50%)				
<b>ENDOCRINE SYSTEM</b>					
None					
<b>GENERAL BODY SYSTEM</b>					
None					
<b>GENITAL SYSTEM</b>					
None					
<b>HEMATOPOIETIC SYSTEM</b>					

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

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Lab: BNW

FISCHER 344 RATS MALE	Control	6.25 ppm	12.5 ppm	25 ppm	50 ppm
None					
<b>INTEGUMENTARY SYSTEM</b>					
Skin	(10)	(0)	(0)	(0)	(0)
Subcutaneous Tissue, Inflammation, Granulomatous, Focal	1 (10%)				
<b>MUSCULOSKELETAL SYSTEM</b>					
None					
<b>NERVOUS SYSTEM</b>					
None					
<b>RESPIRATORY SYSTEM</b>					
Lung	(10)	(10)	(10)	(10)	(10)
Inflammation, Acute	1 (10%)				
Inflammation, Chronic Active			1 (10%)		
Nose	(10)	(10)	(10)	(10)	(10)
Fibrosis					1 (10%)
Goblet Cell, Hyperplasia	1 (10%)				
Olfactory Epithelium, Atrophy		4 (40%)	10 (100%)	10 (100%)	10 (100%)
Olfactory Epithelium, Mineralization		10 (100%)	10 (100%)	10 (100%)	10 (100%)
Olfactory Epithelium, Necrosis		2 (20%)	6 (60%)	9 (90%)	7 (70%)
Turbinates, Atrophy			10 (100%)	10 (100%)	10 (100%)
<b>SPECIAL SENSES SYSTEM</b>					
None					
<b>URINARY SYSTEM</b>					
Kidney	(10)	(10)	(10)	(10)	(10)
Nephropathy	6 (60%)	3 (30%)	4 (40%)	4 (40%)	3 (30%)

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

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Species/Strain: RATS/F 344

Pathologist: KOOISTRA, L. - GRUMBEIN, S.

Lab: BNW

FISCHER 344 RATS MALE

100 ppm

### Disposition Summary

Animals Initially in Study	10
Early Deaths	
Survivors	
Terminal Sacrifice	10
Animals Examined Microscopically	10

### ALIMENTARY SYSTEM

Liver	(10)
Clear Cell Focus	
Hepatodiaphragmatic Nodule	
Vacuolization Cytoplasmic	1 (10%)
Centrilobular, Cytoplasmic Alteration	10 (100%)
Mesentery	(0)
Fat, Necrosis	

### CARDIOVASCULAR SYSTEM

Heart	(10)
Cardiomyopathy	3 (30%)

### ENDOCRINE SYSTEM

None

### GENERAL BODY SYSTEM

None

### GENITAL SYSTEM

None

### HEMATOPOIETIC SYSTEM

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Lab: BNW

FISCHER 344 RATS MALE

100 ppm

None

INTEGUMENTARY SYSTEM

Skin	(9)
Subcutaneous Tissue, Inflammation, Granulomatous, Focal	

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

None

RESPIRATORY SYSTEM

Lung	(10)
Inflammation, Acute	1 (10%)
Inflammation, Chronic Active	
Nose	(10)
Fibrosis	
Goblet Cell, Hyperplasia	
Olfactory Epithelium, Atrophy	10 (100%)
Olfactory Epithelium, Mineralization	10 (100%)
Olfactory Epithelium, Necrosis	10 (100%)
Turbinate, Atrophy	10 (100%)

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

Kidney	(10)
Nephropathy	1 (10%)

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**Lab:** BNW

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**FISCHER 344 RATS MALE**

**100 ppm**

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\*\*\* END OF MALE \*\*\*

FISCHER 344 RATS FEMALE	Control	6.25 ppm	12.5 ppm	25 ppm	50 ppm
<b>Disposition Summary</b>					
Animals Initially in Study	10	10	10	10	10
Early Deaths					
Survivors					
Terminal Sacrifice	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10
<b>ALIMENTARY SYSTEM</b>					
Liver	(10)	(10)	(10)	(10)	(10)
Hepatodiaphragmatic Nodule			1 (10%)		2 (20%)
Inflammation, Granulomatous		1 (10%)		1 (10%)	1 (10%)
Vacuolization Cytoplasmic					10 (100%)
Mesentery	(0)	(0)	(0)	(0)	(0)
Fat, Hemorrhage					
Fat, Necrosis					
Pancreas	(10)	(0)	(0)	(0)	(0)
Atrophy	1 (10%)				
<b>CARDIOVASCULAR SYSTEM</b>					
Heart	(10)	(0)	(0)	(0)	(0)
Cardiomyopathy	1 (10%)				
<b>ENDOCRINE SYSTEM</b>					
None					
<b>GENERAL BODY SYSTEM</b>					
None					
<b>GENITAL SYSTEM</b>					
None					

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Species/Strain: RATS/F 344

Pathologist: KOOISTRA, L. - GRUMBEIN, S.

Lab: BNW

FISCHER 344 RATS FEMALE	Control	6.25 ppm	12.5 ppm	25 ppm	50 ppm
<b>HEMATOPOIETIC SYSTEM</b>					
None					
<b>INTEGUMENTARY SYSTEM</b>					
None					
<b>MUSCULOSKELETAL SYSTEM</b>					
None					
<b>NERVOUS SYSTEM</b>					
None					
<b>RESPIRATORY SYSTEM</b>					
Larynx	(10)	(0)	(0)	(0)	(0)
Respiratory Epithelium, Inflammation, Acute					
Lung	(10)	(10)	(10)	(10)	(10)
Inflammation, Acute	2 (20%)				
Nose	(10)	(10)	(10)	(10)	(10)
Fibrosis					1 (10%)
Olfactory Epithelium, Atrophy		2 (20%)	10 (100%)	10 (100%)	10 (100%)
Olfactory Epithelium, Mineralization		5 (50%)	9 (90%)	10 (100%)	10 (100%)
Olfactory Epithelium, Necrosis		1 (10%)	3 (30%)	6 (60%)	10 (100%)
Turbinates, Atrophy			10 (100%)	10 (100%)	10 (100%)
<b>SPECIAL SENSES SYSTEM</b>					
Harderian Gland	(10)	(0)	(0)	(0)	(0)
Hyperplasia					
<b>URINARY SYSTEM</b>					
Kidney	(10)	(10)	(10)	(10)	(10)
Nephropathy				2 (20%)	

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



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FISCHER 344 RATS FEMALE	Control	6.25 ppm	12.5 ppm	25 ppm	50 ppm
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FISCHER 344 RATS FEMALE

100 ppm

### Disposition Summary

Animals Initially in Study	10
Early Deaths	
Survivors	
Terminal Sacrifice	10
Animals Examined Microscopically	10

### ALIMENTARY SYSTEM

Liver	(10)
Hepatodiaphragmatic Nodule	1 (10%)
Inflammation, Granulomatous	1 (10%)
Vacuolization Cytoplasmic	10 (100%)
Mesentery	(2)
Fat, Hemorrhage	1 (50%)
Fat, Necrosis	1 (50%)
Pancreas	(10)
Atrophy	1 (10%)

### CARDIOVASCULAR SYSTEM

Heart	(10)
Cardiomyopathy	1 (10%)

### ENDOCRINE SYSTEM

None

### GENERAL BODY SYSTEM

None

### GENITAL SYSTEM

None

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FISCHER 344 RATS FEMALE

100 ppm

HEMATOPOIETIC SYSTEM

None

INTEGUMENTARY SYSTEM

None

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

None

RESPIRATORY SYSTEM

Larynx	(10)
Respiratory Epithelium, Inflammation, Acute	1 (10%)
Lung	(10)
Inflammation, Acute	
Nose	(10)
Fibrosis	
Olfactory Epithelium, Atrophy	10 (100%)
Olfactory Epithelium, Mineralization	10 (100%)
Olfactory Epithelium, Necrosis	10 (100%)
Turbinate, Atrophy	10 (100%)

SPECIAL SENSES SYSTEM

Harderian Gland	(10)
Hyperplasia	1 (10%)

URINARY SYSTEM

Kidney	(10)
Nephropathy	

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

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\*\*\* END OF REPORT \*\*\*