

TDMS No. 20516 - 01

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F344/N Tac

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

Metal working fluids (Trim SC210)

CAS Number: TRIMSC210

Date Report Requested: 08/25/2008

Time Report Requested: 10:19:53

First Dose M/F: 08/14/06 / 08/14/06

Lab: BNW

F1_RD

C Number: C20516
Lock Date: 05/16/2007
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.0.0

Fischer 344-Taconic RATS MALE	0 mg/m3	25 mg/m3	50 mg/m3	100 mg/m3	200 mg/m3	400 mg/m3
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						
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(10)
Arteriole, Inflammation, Chronic Active	2 (20%)					2 (20%)
Liver	(10)	(1)	(0)	(1)	(0)	(10)
Hepatodiaphragmatic Nodule Inflammation, Chronic Active	7 (70%)	1 (100%)		1 (100%)		1 (10%) 4 (40%)
CARDIOVASCULAR SYSTEM						
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy	9 (90%)					8 (80%)
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Hyperplasia						1 (10%)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Chronic Active	1 (10%)					
Preputial Gland	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Chronic Active						1 (10%)
Prostate	(10)	(0)	(0)	(0)	(0)	(10)
Hyperplasia, Focal	1 (10%)					

Fischer 344-Taconic RATS MALE	0 mg/m3	25 mg/m3	50 mg/m3	100 mg/m3	200 mg/m3	400 mg/m3
HEMATOPOIETIC SYSTEM						
Lymph Node, Mandibular Ectasia	(9)	(0)	(0)	(0)	(0)	(9)
Hyperplasia	1 (11%)					1 (11%)
Lymph Node, Mediastinal Congestion	(10)	(0)	(0)	(0)	(1)	(10)
					1 (100%)	
INTEGUMENTARY SYSTEM						
None						
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(0)	(10)
Meninges, Inflammation, Focal, Chronic Active	1 (10%)					1 (10%)
RESPIRATORY SYSTEM						
Larynx	(10)	(10)	(10)	(10)	(10)	(10)
Erosion	2 (20%)		2 (20%)	1 (10%)		
Inflammation, Acute	4 (40%)					
Inflammation, Chronic Active		6 (60%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Metaplasia, Squamous		10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Mineralization				1 (10%)		
Ulcer	2 (20%)					
Squamous Epithelium, Hyperplasia			4 (40%)	10 (100%)	10 (100%)	10 (100%)
Lung	(10)	(10)	(10)	(10)	(10)	(10)
Cyst	1 (10%)					
Inflammation, Granulomatous	1 (10%)					
Inflammation, Chronic Active	9 (90%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Metaplasia, Osseous				1 (10%)		2 (20%)
Alveolus, Infiltration Cellular, Histiocyte		2 (20%)			10 (100%)	10 (100%)
Arteriole, Mineralization	2 (20%)					2 (20%)
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Goblet Cell, Hyperplasia		10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Olfactory Epithelium, Accumulation, Hyaline Droplet		10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)

Fischer 344-Taconic RATS MALE	0 mg/m3	25 mg/m3	50 mg/m3	100 mg/m3	200 mg/m3	400 mg/m3
Olfactory Epithelium, Inflammation, Suppurative		10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Respiratory Epithelium, Accumulation, Hyaline Droplet		10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Respiratory Epithelium, Inflammation, Suppurative		10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Trachea	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic Active	1 (10%)					1 (10%)
SPECIAL SENSES SYSTEM						
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Chronic Active	2 (20%)					1 (10%)
URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(0)	(0)	(10)
Nephropathy	7 (70%)					6 (60%)

*** END OF MALE ***

Fischer 344-Taconic RATS FEMALE	0 mg/m3	25 mg/m3	50 mg/m3	100 mg/m3	200 mg/m3	400 mg/m3
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						
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(10)
Arteriole, Inflammation, Chronic Active						1 (10%)
Liver	(10)	(5)	(2)	(1)	(1)	(10)
Basophilic Focus						1 (10%)
Hepatodiaphragmatic Nodule		5 (100%)	2 (100%)	1 (100%)	1 (100%)	2 (20%)
Inflammation, Chronic Active	8 (80%)					8 (80%)
Necrosis, Focal, Chronic						1 (10%)
Mesentery	(1)	(0)	(0)	(0)	(0)	(0)
Fat, Necrosis	1 (100%)					
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Atrophy	2 (20%)					
CARDIOVASCULAR SYSTEM						
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy	2 (20%)					1 (10%)
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(1)	(0)	(1)	(10)
Accessory Adrenal Cortical Nodule						1 (10%)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Ovary	(10)	(1)	(0)	(1)	(1)	(10)

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

Fischer 344-Taconic RATS FEMALE	0 mg/m3	25 mg/m3	50 mg/m3	100 mg/m3	200 mg/m3	400 mg/m3
Cyst Uterus Endometrium, Hyperplasia	(10)	1 (100%) (0)	(0)	1 (100%) (0)	1 (100%) (0)	2 (20%) (10) 1 (10%)
HEMATOPOIETIC SYSTEM						
None						
INTEGUMENTARY SYSTEM						
None						
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
Larynx	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic Active	1 (10%)	9 (90%)	9 (90%)	10 (100%)	10 (100%)	10 (100%)
Metaplasia, Squamous		10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Squamous Epithelium, Hyperplasia		6 (60%)	4 (40%)	10 (100%)	10 (100%)	10 (100%)
Lung	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic Active	10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)	9 (90%)
Metaplasia, Osseous				2 (20%)	1 (10%)	
Alveolus, Infiltration Cellular, Histiocyte			1 (10%)		8 (80%)	10 (100%)
Arteriole, Mineralization						1 (10%)
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic Active	1 (10%)					
Goblet Cell, Hyperplasia		10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Olfactory Epithelium, Accumulation, Hyaline Droplet		10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Olfactory Epithelium, Inflammation, Suppurative		10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Respiratory Epithelium, Accumulation, Hyaline Droplet		10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Respiratory Epithelium, Inflammation,		10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)

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Species/Strain: RATS/F344/N Tac

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Metal working fluids (Trim SC210)

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Fischer 344-Taconic RATS FEMALE	0 mg/m3	25 mg/m3	50 mg/m3	100 mg/m3	200 mg/m3	400 mg/m3
Suppurative Trachea Inflammation, Chronic Active	(10)	(10)	(10)	(10)	(10) 2 (20%)	(10) 1 (10%)
SPECIAL SENSES SYSTEM						
Harderian Gland Inflammation, Chronic Active	(10) 1 (10%)	(0)	(0)	(0)	(0)	(10) 2 (20%)
URINARY SYSTEM						
Kidney Nephropathy	(10)	(0)	(0)	(0)	(0)	(10) 1 (10%)

*** END OF REPORT ***