

TDMS No. 20515 - 02

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

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

Metal working fluids (CIMSTAR 3800)

CAS Number: CIMSTAR3800

Date Report Requested: 10/21/2008

Time Report Requested: 07:18:30

First Dose M/F: 06/12/06 / 06/12/06

Lab: BNW

F1_M3

C Number: C20515
Lock Date: 04/04/2007
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

B6C3F1 MICE 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						
Liver	(10)	(0)	(0)	(0)	(0)	(10)
Cyst	1 (10%)					
Inflammation, Chronic	1 (10%)					
Parasite Metazoan	1 (10%)					
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
None						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Testes	(10)	(0)	(1)	(0)	(0)	(10)
Germinal Epithelium, Degeneration			1 (100%)			
HEMATOPOIETIC SYSTEM						
Spleen	(10)	(0)	(0)	(0)	(1)	(10)
Hyperplasia, Lymphoid					1 (100%)	

B6C3F1 MICE MALE	0 mg/m3	25 mg/m3	50 mg/m3	100 mg/m3	200 mg/m3	400 mg/m3
INTEGUMENTARY SYSTEM						
None						
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
Larynx	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic Active			4 (40%)	6 (60%)	10 (100%)	9 (90%)
Metaplasia, Squamous		10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Epiglottis, Dysplasia						6 (60%)
Squamous Epithelium, Hyperplasia		1 (10%)			7 (70%)	10 (100%)
Lung	(10)	(10)	(10)	(10)	(10)	(10)
Infiltration Cellular, Histiocyte				1 (10%)	1 (10%)	1 (10%)
Thrombosis, Focal						1 (10%)
Arteriole, Hypertrophy				2 (20%)	3 (30%)	4 (40%)
Bronchiole, Hyperplasia		10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Perivascular, Inflammation, Chronic Active				3 (30%)	4 (40%)	6 (60%)
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Suppurative						1 (10%)
Olfactory Epithelium, Accumulation, Hyaline Droplet		7 (70%)	4 (40%)	10 (100%)	10 (100%)	9 (90%)
Respiratory Epithelium, Accumulation, Hyaline Droplet		8 (80%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Trachea	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Suppurative						1 (10%)
Epithelium, Metaplasia, Squamous						1 (10%)
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						

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Kidney Renal Tubule, Regeneration	(10) 1 (10%)	(0)	(0)	(0)	(0)	(10) 2 (20%)

*** END OF MALE ***

B6C3F1 MICE 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)
Inflammation, Suppurative						1 (10%)
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Chronic	1 (10%)					
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Chronic Active	1 (10%)					
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
None						
HEMATOPOIETIC SYSTEM						
None						
INTEGUMENTARY SYSTEM						

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

B6C3F1 MICE FEMALE	0 mg/m3	25 mg/m3	50 mg/m3	100 mg/m3	200 mg/m3	400 mg/m3
None						
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
Larynx	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic Active			1 (10%)	9 (90%)	10 (100%)	10 (100%)
Metaplasia, Squamous		10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Epiglottis, Dysplasia					2 (20%)	7 (70%)
Squamous Epithelium, Hyperplasia				1 (10%)	10 (100%)	10 (100%)
Lung	(10)	(10)	(10)	(10)	(10)	(10)
Infiltration Cellular, Histiocyte				1 (10%)		
Arteriole, Hypertrophy				2 (20%)	4 (40%)	2 (20%)
Bronchiole, Hyperplasia		10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Perivascular, Inflammation, Chronic Active			1 (10%)	6 (60%)	8 (80%)	3 (30%)
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Olfactory Epithelium, Accumulation, Hyaline Droplet		7 (70%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Respiratory Epithelium, Accumulation, Hyaline Droplet		10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Trachea	(10)	(10)	(10)	(10)	(10)	(10)
Epithelium, Metaplasia, Squamous						1 (10%)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(1)	(1)	(10)
Lens, Degeneration				1 (100%)	1 (100%)	
URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(0)	(0)	(10)
Renal Tubule, Regeneration	1 (10%)					

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*** END OF REPORT ***