

TDMS No. 20515 - 02

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

Date Report Requested: 10/21/2008

Test Type: 90-DAY

Metal working fluids (CIMSTAR 3800)

Time Report Requested: 07:18:30

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: CIMSTAR3800

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

Species/Strain: MICE/B6C3F1

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

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Lab: BNW

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 [3.0]					
Inflammation, Chronic	1 [2.0]					
Parasite Metazoan	1					
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
None						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Testes	(10)	(0)	(1)	(0)	(0)	(10)
Germinal Epithelium, Degeneration			1 [4.0]			
HEMATOPOIETIC SYSTEM						
Spleen	(10)	(0)	(0)	(0)	(1)	(10)

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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B6C3F1 MICE MALE	0 mg/m3	25 mg/m3	50 mg/m3	100 mg/m3	200 mg/m3	400 mg/m3
Hyperplasia, Lymphoid					1 [1.0]	
INTEGUMENTARY SYSTEM						
None						
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
Larynx	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic Active			4 [1.3]	6 [1.3]	10 [1.9]	9 [1.9]
Metaplasia, Squamous		10 [2.0]	10 [2.2]	10 [2.9]	10 [3.9]	10 [4.0]
Epiglottis, Dysplasia						6 [1.8]
Squamous Epithelium, Hyperplasia		1 [1.0]			7 [1.9]	10 [2.2]
Lung	(10)	(10)	(10)	(10)	(10)	(10)
Infiltration Cellular, Histiocyte				1 [1.0]	1 [1.0]	1 [1.0]
Thrombosis, Focal						1 [1.0]
Arteriole, Hypertrophy				2 [1.0]	3 [1.3]	4 [1.0]
Bronchiole, Hyperplasia		10 [1.0]	10 [1.0]	10 [1.9]	10 [1.5]	10 [1.9]
Perivascular, Inflammation, Chronic Active				3 [1.0]	4 [1.0]	6 [1.2]
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Suppurative						1 [1.0]
Olfactory Epithelium, Accumulation, Hyaline Droplet		7 [1.0]	4 [1.0]	10 [1.9]	10 [1.7]	9 [2.0]
Respiratory Epithelium, Accumulation, Hyaline Droplet		8 [1.0]	10 [1.0]	10 [2.0]	10 [1.7]	10 [1.9]
Trachea	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Suppurative						1 [1.0]
Epithelium, Metaplasia, Squamous						1 [1.0]

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Lab: BNW

B6C3F1 MICE MALE	0 mg/m3	25 mg/m3	50 mg/m3	100 mg/m3	200 mg/m3	400 mg/m3
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(0)	(0)	(10)
Renal Tubule, Regeneration	1 [1.0]					2 [1.5]

*** END OF MALE ***

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Lab: BNW

B6C3F1 MICE FEMALE	0 mg/m3	25 mg/m3	50 mg/m3	100 mg/m3	200 mg/m3	400 mg/m3
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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

Intestine Large, Rectum Inflammation, Suppurative	(10)	(0)	(0)	(0)	(0)	(10) 1 [1.0]
Salivary Glands Inflammation, Chronic	(10) 1 [1.0]	(0)	(0)	(0)	(0)	(10)

CARDIOVASCULAR SYSTEM

None

ENDOCRINE SYSTEM

Thyroid Gland Inflammation, Chronic Active	(10) 1 [2.0]	(0)	(0)	(0)	(0)	(10)
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GENERAL BODY SYSTEM

None

GENITAL SYSTEM

None

HEMATOPOIETIC SYSTEM

None

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B6C3F1 MICE FEMALE	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			1 [1.0]	9 [1.3]	10 [2.1]	10 [2.0]
Metaplasia, Squamous		10 [2.0]	10 [2.0]	10 [2.8]	10 [3.9]	10 [4.0]
Epiglottis, Dysplasia					2 [1.0]	7 [1.7]
Squamous Epithelium, Hyperplasia				1 [1.0]	10 [2.0]	10 [2.0]
Lung	(10)	(10)	(10)	(10)	(10)	(10)
Infiltration Cellular, Histiocyte				1 [1.0]		
Arteriole, Hypertrophy				2 [1.0]	4 [1.0]	2 [1.0]
Bronchiole, Hyperplasia		10 [1.0]	10 [1.0]	10 [2.0]	10 [1.8]	10 [2.0]
Perivascular, Inflammation, Chronic Active			1 [1.0]	6 [1.0]	8 [1.0]	3 [1.0]
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Olfactory Epithelium, Accumulation, Hyaline Droplet		7 [1.0]	10 [1.0]	10 [1.8]	10 [2.0]	10 [2.0]
Respiratory Epithelium, Accumulation, Hyaline Droplet		10 [1.0]	10 [1.0]	10 [1.8]	10 [2.0]	10 [2.0]
Trachea	(10)	(10)	(10)	(10)	(10)	(10)
Epithelium, Metaplasia, Squamous						1 [1.0]
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(1)	(1)	(10)

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B6C3F1 MICE FEMALE	0 mg/m3	25 mg/m3	50 mg/m3	100 mg/m3	200 mg/m3	400 mg/m3
Lens, Degeneration				1 [1.0]	1 [2.0]	
URINARY SYSTEM						
Kidney Renal Tubule, Regeneration	(10) 1 [1.0]	(0)	(0)	(0)	(0)	(10)

*** END OF REPORT ***

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 b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)