

**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
<b>Disposition Summary</b>						
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
<b>ALIMENTARY SYSTEM</b>						
Liver	(10)	(0)	(0)	(0)	(0)	(10)
Cyst	1 [3.0]					
Inflammation, Chronic	1 [2.0]					
Parasite Metazoan	1					
<b>CARDIOVASCULAR SYSTEM</b>						
None						
<b>ENDOCRINE SYSTEM</b>						
None						
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Testes	(10)	(0)	(1)	(0)	(0)	(10)
Germinal Epithelium, Degeneration			1 [4.0]			
<b>HEMATOPOIETIC SYSTEM</b>						
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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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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B6C3F1 MICE FEMALE	0 mg/m3	25 mg/m3	50 mg/m3	100 mg/m3	200 mg/m3	400 mg/m3
<b>Disposition Summary</b>						
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
<b>ALIMENTARY SYSTEM</b>						
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)
<b>CARDIOVASCULAR SYSTEM</b>						
None						
<b>ENDOCRINE SYSTEM</b>						
Thyroid Gland Inflammation, Chronic Active	(10) 1 [2.0]	(0)	(0)	(0)	(0)	(10)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
None						
<b>HEMATOPOIETIC SYSTEM</b>						
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
<b>INTEGUMENTARY SYSTEM</b>						
None						
<b>MUSCULOSKELETAL SYSTEM</b>						
None						
<b>NERVOUS SYSTEM</b>						
None						
<b>RESPIRATORY SYSTEM</b>						
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]
<b>SPECIAL SENSES SYSTEM</b>						
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]	
<b>URINARY SYSTEM</b>						
Kidney Renal Tubule, Regeneration	(10) 1 [1.0]	(0)	(0)	(0)	(0)	(10)

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

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