

**Experiment Number:** 20213 - 02

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

**Date Report Requested:** 03/20/2012

**Test Type:** 39-WEEK

Abrasive blasting agents (blasting sand)

**Time Report Requested:** 13:33:37

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**CAS Number:** BLASTINGSAND

**First Dose M/F:** 04/20/09 / NA

**Species/Strain:** RATS/HSD

**Lab:** BNW

F1\_39 Wk. Core

**NTP Study Number:** C20213  
**Lock Date:** 08/17/2010  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** 25021 TSAC  
**Removal Date Range:** 01-Jan-2007 - 31-Dec-2011  
**Treatment Groups:** Include ALL  
**Study Gender:** Male  
**TDMSE Version:** 2.6.0.0\_007  
**PWG Approval Date:** NONE

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Harlan Sprague Dawley RATS MALE

Control

15 mg/m3

30 mg/m3

60 mg/m3

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**Disposition Summary**

Animals Initially In Study

62

62

62

62

Early Deaths

Survivors

Terminal Sacrifice

8

8

8

8

Animals Examined Microscopically

8

8

8

8

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ALIMENTARY SYSTEM

Intestine Small, Ileum

(8)

(8)

(8)

(7)

Intestine Small, Jejunum

(8)

(6)

(7)

(7)

Liver

(1)

(0)

(0)

(0)

Hepatodiaphragmatic Nodule

1 [4.0]

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CARDIOVASCULAR SYSTEM

None

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ENDOCRINE SYSTEM

None

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GENERAL BODY SYSTEM

None

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GENITAL SYSTEM

Testes

(0)

(0)

(1)

(0)

Bilateral, Atrophy

1 [4.0]

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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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Harlan Sprague Dawley RATS MALE	Control	15 mg/m3	30 mg/m3	60 mg/m3
<b>HEMATOPOIETIC SYSTEM</b>				
Lymph Node	(0)	(1)	(0)	(1)
Lumbar, Infiltration Cellular, Histiocyte				1 [1.0]
Lumbar, Pigmentation				1 [1.0]
Lymph Node, Bronchial	(7)	(5)	(7)	(8)
Fibrosis				2 [1.0]
Foreign Body		3	6	7
Infiltration Cellular, Histiocyte		3 [1.7]	6 [1.3]	7 [2.1]
Lymph Node, Mediastinal	(7)	(8)	(8)	(8)
Fibrosis		1 [1.0]	1 [2.0]	2 [2.0]
Foreign Body		8	8	8
Infiltration Cellular, Histiocyte		8 [3.0]	8 [4.0]	8 [4.0]
Necrosis				1 [1.0]
Pigmentation	1 [2.0]			

**INTEGUMENTARY SYSTEM**

None

**MUSCULOSKELETAL SYSTEM**

None

**NERVOUS SYSTEM**

None

**RESPIRATORY SYSTEM**

Larynx	(8)	(8)	(8)	(8)
Epiglottis, Metaplasia, Squamous		1 [1.0]	1 [1.0]	1 [1.0]
Lung	(8)	(8)	(8)	(8)

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Harlan Sprague Dawley RATS MALE	Control	15 mg/m3	30 mg/m3	60 mg/m3
Foreign Body		8	8	8
Infiltration Cellular, Histiocyte	4 [1.0]	8 [1.5]	8 [2.4]	8 [3.0]
Inflammation, Chronic Active	2 [1.0]	8 [1.0]	8 [1.1]	8 [1.6]
Metaplasia, Osseous		2 [1.0]		
Proteinosis				6 [1.3]
Alveolar Epithelium, Hyperplasia		8 [1.0]	8 [2.0]	8 [2.0]
Alveolar Epithelium, Hyperplasia, Focal				1 [4.0]
Interstitial, Fibrosis		8 [1.0]	8 [1.0]	8 [2.0]
Nose	(8)	(8)	(8)	(8)
Olfactory Epithelium, Accumulation, Hyaline Droplet	8 [1.6]	8 [3.1]	8 [3.5]	8 [3.4]
Olfactory Epithelium, Metaplasia, Respiratory				1 [1.0]
Respiratory Epithelium, Accumulation, Hyaline Droplet	6 [1.0]	8 [1.0]	8 [1.3]	8 [1.0]
Trachea	(8)	(8)	(8)	(8)

## SPECIAL SENSES SYSTEM

Lacrimal Gland	(1)	(0)	(0)	(0)
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## URINARY SYSTEM

None

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

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