

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: 13:29:21

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: BLASTINGSAND

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

Species/Strain: RATS/HSD

Lab: BNW

F1_26 Wk. SSAC

NTP Study Number: C20213
Lock Date: 08/17/2010
Cage Range: ALL
Date Range: ALL
Reasons For Removal: 25017 SSAC
Removal Date Range: 16-Oct-2009 - 16-Oct-2009
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

Disposition Summary

Animals Initially In Study

62

62

62

62

Scheduled Sacrifice

8

8

8

8

Early Deaths

Survivors

Animals Examined Microscopically

8

8

8

8

ALIMENTARY SYSTEM

Intestine Small, Ileum

(0)

(0)

(1)

(0)

CARDIOVASCULAR SYSTEM

None

ENDOCRINE SYSTEM

Adrenal Cortex

(0)

(0)

(0)

(1)

Hyperplasia, Lymphoid

1 [4.0]

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

None

HEMATOPOIETIC SYSTEM

Lymph Node, Bronchial

(7)

(8)

(8)

(8)

Fibrosis

1 [1.0]

1 [1.0]

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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
Foreign Body		6	5	8
Infiltration Cellular, Histiocyte		6 [1.3]	5 [2.0]	8 [2.1]
Pigmentation			1 [2.0]	
Lymph Node, Mediastinal	(8)	(8)	(7)	(7)
Fibrosis				2 [1.5]
Foreign Body		6	7	7
Infiltration Cellular, Histiocyte		6 [2.7]	7 [3.0]	7 [3.1]
Pigmentation	2 [2.0]		1 [2.0]	1 [2.0]
INTEGUMENTARY SYSTEM				
Skin	(0)	(0)	(0)	(1)
Inflammation, Chronic Active				1 [4.0]
MUSCULOSKELETAL SYSTEM				
None				
NERVOUS SYSTEM				
None				
RESPIRATORY SYSTEM				
Larynx	(8)	(8)	(8)	(8)
Lung	(8)	(8)	(8)	(8)
Foreign Body		8	8	8
Infiltration Cellular, Histiocyte	4 [1.0]	8 [1.5]	8 [1.8]	8 [2.1]
Inflammation, Chronic Active	2 [1.0]	7 [1.0]	7 [1.0]	8 [1.0]
Proteinosis				1 [1.0]
Alveolar Epithelium, Hyperplasia		8 [1.0]	8 [1.0]	8 [1.0]
Interstitial, Fibrosis		8 [1.0]	7 [1.0]	8 [1.6]
Nose	(8)	(8)	(8)	(8)

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Olfactory Epithelium, Accumulation, Hyaline Droplet	8 [1.9]	8 [2.8]	8 [2.9]	8 [2.6]
Respiratory Epithelium, Accumulation, Hyaline Droplet	6 [1.0]	8 [1.0]	8 [1.1]	8 [1.0]
Respiratory Epithelium, Inflammation	1 [1.0]			
Trachea	(8)	(8)	(8)	(8)
Glands, Inflammation, Suppurative				1 [1.0]

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

None

*** END OF REPORT ***

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