

Experiment Number: 20536 - 02

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

Date Report Requested: 09/13/2012

Test Type: 39-WEEK

Abrasive blasting agents (specular hematite)

Time Report Requested: 10:34:30

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: HEMATITESPEC

First Dose M/F: 07/27/09 / NA

Species/Strain: RATS/HSD

Lab: BNW

F1_Rev.1_39 Wk Core_HSD

NTP Study Number: C20536
Lock Date: 07/19/2010
Cage Range: ALL
Date Range: ALL
Reasons For Removal: 25021 TSAC
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Male
TDMSE Version: 2.6.0.0_007
PWG Approval Date: 02/08/2012

25019 MSAC

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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				
Moribund Sacrifice	1			1
Survivors				
Terminal Sacrifice	8	8	8	8
Animals Examined Microscopically	9	8	8	9

ALIMENTARY SYSTEM

Liver	(0)	(1)	(0)	(0)
Degeneration		1 [1.0]		

CARDIOVASCULAR SYSTEM

None

ENDOCRINE SYSTEM

None

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

None

HEMATOPOIETIC SYSTEM

Lymph Node	(0)	(1)	(2)	(1)
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Congestion				1 [1.0]
Pancreatic, Congestion		1 [1.0]	2 [2.0]	
Renal, Congestion		1 [2.0]		
Lymph Node, Bronchial	(5)	(7)	(8)	(8)
Foreign Body		5	7	7
Hyperplasia		1 [1.0]	3 [1.3]	4 [1.3]
Infiltration Cellular, Histiocyte		5 [2.4]	7 [2.7]	7 [3.0]
Pigmentation, Hemosiderin	3 [2.0]	1 [3.0]		
Lymph Node, Mediastinal	(9)	(8)	(7)	(9)
Foreign Body		7	6	9
Hyperplasia		3 [1.7]	4 [1.8]	7 [3.0]
Infiltration Cellular, Histiocyte		7 [2.6]	6 [3.0]	9 [3.0]
Pigmentation, Hemosiderin	1 [3.0]	1 [3.0]		1 [2.0]

INTEGUMENTARY SYSTEM

Skin	(0)	(0)	(0)	(1)
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MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

None

RESPIRATORY SYSTEM

Larynx	(9)	(8)	(8)	(9)
Foreign Body		8	8	9
Ulcer				1 [1.0]
Epiglottis, Metaplasia, Squamous		5 [1.0]	7 [1.0]	7 [1.0]
Glands, Concretion		1		

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Harlan Sprague Dawley RATS MALE	Control	15 mg/m3	30 mg/m3	60 mg/m3
Glands, Inflammation, Suppurative	1 [1.0]			
Glands, Inflammation, Chronic Active			1 [1.0]	
Lung	(9)	(8)	(8)	(9)
Atelectasis, Chronic				1 [1.0]
Foreign Body		8	8	9
Infiltration Cellular	1 [3.0]			
Infiltration Cellular, Histiocyte	4 [1.0]	8 [1.4]	8 [2.0]	8 [3.0]
Inflammation, Chronic Active		3 [1.0]	2 [1.0]	7 [1.4]
Necrosis	1 [1.0]			
Alveolar Epithelium, Hyperplasia	2 [1.5]	8 [1.0]	8 [1.0]	9 [2.0]
Bronchiole, Hypertrophy	1 [2.0]			
Interstitial, Fibrosis	1 [1.0]	2 [1.0]	8 [1.0]	9 [2.0]
Nose	(9)	(8)	(8)	(9)
Accumulation, Hyaline Droplet	1 [2.0]			1 [3.0]
Olfactory Epithelium, Accumulation, Hyaline Droplet	8 [2.1]	8 [2.8]	8 [3.0]	8 [3.5]
Respiratory Epithelium, Accumulation, Hyaline Droplet			3 [1.0]	3 [1.0]
Trachea	(9)	(7)	(8)	(9)

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

Kidney	(0)	(0)	(1)	(0)
Nephropathy			1 [3.0]	

*** END OF REPORT ***

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