

Experiment Number: 20536 - 02
Test Type: 39-WEEK
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/HSD

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)
Abrasive blasting agents (specular hematite)
CAS Number: HEMATITESPEC

Date Report Requested: 09/13/2012
Time Report Requested: 10:34:30
First Dose M/F: 07/27/09 / NA
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 25019 MSAC
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Male
TDMSE Version: 2.6.0.0_007
PWG Approval Date: 02/08/2012

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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
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 (100%)		

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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a - Number of animals examined microscopically at site and number of animals with lesion

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Harlan Sprague Dawley RATS MALE	Control	15 mg/m3	30 mg/m3	60 mg/m3
Congestion				1 (100%)
Pancreatic, Congestion		1 (100%)	2 (100%)	
Renal, Congestion		1 (100%)		
Lymph Node, Bronchial	(5)	(7)	(8)	(8)
Foreign Body		5 (71%)	7 (88%)	7 (88%)
Hyperplasia		1 (14%)	3 (38%)	4 (50%)
Infiltration Cellular, Histiocyte		5 (71%)	7 (88%)	7 (88%)
Pigmentation, Hemosiderin	3 (60%)	1 (14%)		
Lymph Node, Mediastinal	(9)	(8)	(7)	(9)
Foreign Body		7 (88%)	6 (86%)	9 (100%)
Hyperplasia		3 (38%)	4 (57%)	7 (78%)
Infiltration Cellular, Histiocyte		7 (88%)	6 (86%)	9 (100%)
Pigmentation, Hemosiderin	1 (11%)	1 (13%)		1 (11%)
INTEGUMENTARY SYSTEM				
Skin	(0)	(0)	(0)	(1)
MUSCULOSKELETAL SYSTEM				
None				
NERVOUS SYSTEM				
None				
RESPIRATORY SYSTEM				
Larynx	(9)	(8)	(8)	(9)
Foreign Body		8 (100%)	8 (100%)	9 (100%)
Ulcer				1 (11%)
Epiglottis, Metaplasia, Squamous		5 (63%)	7 (88%)	7 (78%)
Glands, Concretion		1 (13%)		

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Glands, Inflammation, Suppurative	1 (11%)			
Glands, Inflammation, Chronic Active			1 (13%)	
Lung	(9)	(8)	(8)	(9)
Atelectasis, Chronic				1 (11%)
Foreign Body		8 (100%)	8 (100%)	9 (100%)
Infiltration Cellular	1 (11%)			
Infiltration Cellular, Histiocyte	4 (44%)	8 (100%)	8 (100%)	8 (89%)
Inflammation, Chronic Active		3 (38%)	2 (25%)	7 (78%)
Necrosis	1 (11%)			
Alveolar Epithelium, Hyperplasia	2 (22%)	8 (100%)	8 (100%)	9 (100%)
Bronchiole, Hypertrophy	1 (11%)			
Interstitial, Fibrosis	1 (11%)	2 (25%)	8 (100%)	9 (100%)
Nose	(9)	(8)	(8)	(9)
Accumulation, Hyaline Droplet	1 (11%)			1 (11%)
Olfactory Epithelium, Accumulation, Hyaline Droplet	8 (89%)	8 (100%)	8 (100%)	8 (89%)
Respiratory Epithelium, Accumulation, Hyaline Droplet			3 (38%)	3 (33%)
Trachea	(9)	(7)	(8)	(9)

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

Kidney	(0)	(0)	(1)	(0)
Nephropathy			1 (100%)	

*** END OF REPORT ***

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