

**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:** 10:24:01  
**First Dose M/F:** 07/27/09 / NA  
**Lab:** BNW

F1\_Rev.1\_4 Wk. SSAC

**NTP Study Number:** C20536  
**Lock Date:** 07/19/2010  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** 25017 SSAC  
**Removal Date Range:** 21-Aug-2009 - 21-Aug-2009  
**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
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## 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

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## ALIMENTARY SYSTEM

None

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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

None

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## HEMATOPOIETIC SYSTEM

Lymph Node, Bronchial	(8)	(8)	(7)	(8)
Foreign Body			2 (29%)	5 (63%)
Lymph Node, Mediastinal	(5)	(6)	(6)	(5)

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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
Foreign Body				1 (20%)
<b>INTEGUMENTARY SYSTEM</b>				
None				
<b>MUSCULOSKELETAL SYSTEM</b>				
None				
<b>NERVOUS SYSTEM</b>				
None				
<b>RESPIRATORY SYSTEM</b>				
Larynx	(8)	(8)	(8)	(8)
Foreign Body		7 (88%)	8 (100%)	8 (100%)
Epiglottis, Metaplasia, Squamous		1 (13%)	4 (50%)	5 (63%)
Lung	(8)	(8)	(8)	(8)
Foreign Body		8 (100%)	8 (100%)	8 (100%)
Infiltration Cellular, Histiocyte	1 (13%)	1 (13%)	1 (13%)	8 (100%)
Inflammation, Chronic Active				1 (13%)
Metaplasia, Osseous		1 (13%)	1 (13%)	
Nose	(8)	(8)	(8)	(8)
Foreign Body	1 (13%)			
Inflammation, Suppurative	1 (13%)			
Inflammation, Focal, Chronic Active				1 (13%)
Trachea	(8)	(8)	(7)	(8)

**SPECIAL SENSES SYSTEM**

None

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Harlan Sprague Dawley RATS MALE

Control

15 mg/m3

30 mg/m3

60 mg/m3

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URINARY SYSTEM

None

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

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