

**Experiment Number:** 20213 - 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 (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/20/2012  
**Time Report Requested:** 13:27:50  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

F1\_16 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:** 07-Aug-2009 - 07-Aug-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
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### Disposition Summary

<b>Animals Initially In Study</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>62</b>
<b>Scheduled Sacrifice</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>
<b>Early Deaths</b>				
<b>Survivors</b>				
<b>Animals Examined Microscopically</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>

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### ALIMENTARY SYSTEM

Liver	(0)	(1)	(0)	(1)
Hepatodiaphragmatic Nodule Necrosis		1 (100%)		1 (100%)

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### CARDIOVASCULAR SYSTEM

None

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### ENDOCRINE SYSTEM

Adrenal Cortex	(0)	(1)	(0)	(0)
Adrenal Medulla	(0)	(1)	(0)	(0)

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### GENERAL BODY SYSTEM

None

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### GENITAL SYSTEM

Preputial Gland Inflammation, Chronic Active	(0)	(0)	(0)	(1) 1 (100%)
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a - Number of animals examined microscopically at site and number of animals with lesion

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<b>HEMATOPOIETIC SYSTEM</b>				
Lymph Node, Bronchial	(5)	(7)	(8)	(8)
Foreign Body		7 (100%)	8 (100%)	7 (88%)
Infiltration Cellular, Histiocyte		7 (100%)	8 (100%)	7 (88%)
Pigmentation		1 (14%)		
Lymph Node, Mediastinal	(8)	(6)	(8)	(8)
Foreign Body		5 (83%)	5 (63%)	8 (100%)
Infiltration Cellular, Histiocyte		5 (83%)	5 (63%)	8 (100%)
Pigmentation		1 (17%)	1 (13%)	
<b>INTEGUMENTARY SYSTEM</b>				
None				
<b>MUSCULOSKELETAL SYSTEM</b>				
None				
<b>NERVOUS SYSTEM</b>				
None				
<b>RESPIRATORY SYSTEM</b>				
Larynx	(8)	(8)	(8)	(8)
Lung	(8)	(8)	(8)	(8)
Foreign Body		8 (100%)	8 (100%)	8 (100%)
Infiltration Cellular, Histiocyte	2 (25%)	8 (100%)	8 (100%)	8 (100%)
Inflammation, Chronic Active	1 (13%)	3 (38%)	3 (38%)	8 (100%)
Metaplasia, Osseous	1 (13%)			
Nose	(8)	(8)	(8)	(8)
Olfactory Epithelium, Accumulation, Hyaline Droplet	8 (100%)	8 (100%)	8 (100%)	8 (100%)

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Respiratory Epithelium, Accumulation, Hyaline Droplet		8 (100%)	8 (100%)	7 (88%)
Respiratory Epithelium, Metaplasia, Squamous Trachea	(8)	(8)	(8)	1 (13%) (8)

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SPECIAL SENSES SYSTEM

None

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URINARY SYSTEM

None

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

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