

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

F1\_Core and SSAC

**NTP Study Number:** C20213  
**Lock Date:** 08/17/2010  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Male  
**TDMSE Version:** 2.6.0.0\_007  
**PWG Approval Date:** NONE

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
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**Lab:** BNW

---

**ANIMAL ID:** 5

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** Control

**DISP:** Scheduled Sacrifice

**HISTO:** 59680

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx  
\* Trachea

\* Lung

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

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**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 6

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** Control

**DISP:** Scheduled Sacrifice

**HISTO:** 59681

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx  
\* Trachea

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Nose

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Lung

Infiltration Cellular

Histiocyte, Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 8

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** Control

**DISP:** Scheduled Sacrifice

**HISTO:** 59683

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx  
\* Trachea

\* Lung

\* Lymph Node, Bronchial

\* Nose

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Lymph Node, Mediastinal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
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**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 10

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** Control

**DISP:** Terminal Sacrifice

**HISTO:** 59685

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Intestine Small, Ileum  
\* Trachea

Intestine Small, Jejunum

\* Larynx

\* Lymph Node, Bronchial

---

**INSUFFICIENT TISSUE**

\* Lymph Node, Mediastinal

---

**OBSERVATIONS**

\* Lung

\* Nose

Olfactory Epi  
Respirat Epith

Infiltration Cellular  
Accumulation, Hyaline Droplet  
Accumulation, Hyaline Droplet

Histiocyte, Minimal  
Mild  
Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 11

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** Control

**DISP:** Scheduled Sacrifice

**HISTO:** 59686

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lung

\* Lymph Node, Mediastinal

\* Trachea

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Lymph Node, Bronchial

---

**OBSERVATIONS**

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 13

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** Control

**DISP:** Scheduled Sacrifice

**HISTO:** 59688

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lung

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Nose

\* Trachea

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 14

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** Control

**DISP:** Scheduled Sacrifice

**HISTO:** 59689

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx  
\* Trachea

\* Lung

\* Lymph Node, Bronchial

\* Nose

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**INSUFFICIENT TISSUE**

\* Lymph Node, Mediastinal

---



**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 15

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** Control

**DISP:** Scheduled Sacrifice

**HISTO:** 59690

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Trachea

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Lung

Infiltration Cellular

Histiocyte, Minimal

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 16

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** Control

**DISP:** Terminal Sacrifice

**HISTO:** 59691

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Intestine Small, Ileum	Intestine Small, Jejunum	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Trachea		

---

**OBSERVATIONS**

* Lung		Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 19

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** Control

**DISP:** Scheduled Sacrifice

**HISTO:** 59694

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx  
\* Trachea

\* Lung

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 21

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** Control

**DISP:** Terminal Sacrifice

**HISTO:** 59696

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small, Ileum	Intestine Small, Jejunum	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Trachea		

**OBSERVATIONS**

Liver		Hepatodiaphragmatic Nodule	Marked
[ Hepatodiaphragmatic Nodule	TGLs = TGL 1-6 ]		
* Lung		Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic Active, Minimal
* Nose	Olfactory Epi Respirat Epith	Accumulation, Hyaline Droplet Accumulation, Hyaline Droplet	Mild Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 23

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** Control

**DISP:** Terminal Sacrifice

**HISTO:** 59698

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Intestine Small, Ileum	Intestine Small, Jejunum	* Larynx	* Lung
* Lymph Node, Mediastinal	* Trachea		

---

**MISSING**

\* Lymph Node, Bronchial

---

**OBSERVATIONS**

* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 25

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** Control

**DISP:** Scheduled Sacrifice

**HISTO:** 59700

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx  
\* Trachea

\* Lung

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 26

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** Control

**DISP:** Scheduled Sacrifice

**HISTO:** 59701

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Trachea

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Lung

\* Nose

Inflammation

Chronic Active, Minimal

Olfactory Epi

Accumulation, Hyaline Droplet

Minimal

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
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**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 28

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** Control

**DISP:** Scheduled Sacrifice

**HISTO:** 59703

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lung

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Nose

\* Trachea

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---



**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 30

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** Control

**DISP:** Scheduled Sacrifice

**HISTO:** 59705

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lung

\* Lymph Node, Bronchial

\* Trachea

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Lymph Node, Mediastinal

Pigmentation

Mild

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
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**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 32

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** Control

**DISP:** Scheduled Sacrifice

**HISTO:** 59707

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx  
\* Trachea

\* Lung

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Nose

Olfactory Epi  
Respirat Epith

Accumulation, Hyaline Droplet  
Inflammation

Mild  
Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 33

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** Control

**DISP:** Scheduled Sacrifice

**HISTO:** 59708

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Trachea

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Lung

\* Nose

Infiltration Cellular

Accumulation, Hyaline Droplet

Histiocyte, Minimal

Mild

Olfactory Epi

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 34

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** Control

**DISP:** Scheduled Sacrifice

**HISTO:** 59709

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lung

\* Lymph Node, Mediastinal

\* Trachea

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**INSUFFICIENT TISSUE**

\* Lymph Node, Bronchial

---

**OBSERVATIONS**

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 36

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** Control

**DISP:** Terminal Sacrifice

**HISTO:** 59711

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Larynx

\* Lymph Node, Bronchial

\* Trachea

---

**OBSERVATIONS**

\* Lung

Inflammation

Chronic Active, Minimal

\* Lymph Node, Mediastinal

Pigmentation

Mild

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 37

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** Control

**DISP:** Scheduled Sacrifice

**HISTO:** 59712

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lung

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Nose

\* Trachea

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 42

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** Control

**DISP:** Scheduled Sacrifice

**HISTO:** 59717

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx  
\* Trachea

\* Lung

\* Lymph Node, Bronchial

\* Nose

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Lymph Node, Mediastinal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 43

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** Control

**DISP:** Scheduled Sacrifice

**HISTO:** 59718

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Trachea

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Lung

Infiltration Cellular

Histiocyte, Minimal

Inflammation

Chronic Active, Minimal

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Minimal

---



**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 48

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** Control

**DISP:** Scheduled Sacrifice

**HISTO:** 59723

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lymph Node, Bronchial

\* Trachea

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Lung

Infiltration Cellular

Histiocyte, Minimal

\* Lymph Node, Mediastinal

Pigmentation

Mild

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 49

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** Control

**DISP:** Scheduled Sacrifice

**HISTO:** 59724

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Trachea

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Lung

Infiltration Cellular

Histiocyte, Minimal

Inflammation

Chronic Active, Minimal

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Moderate

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 51

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** Control

**DISP:** Scheduled Sacrifice

**HISTO:** 59726

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lymph Node, Mediastinal

\* Trachea

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Lymph Node, Bronchial

---

**OBSERVATIONS**

\* Lung

\* Nose

Olfactory Epi

Infiltration Cellular

Accumulation, Hyaline Droplet

Histiocyte, Minimal

Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 52

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** Control

**DISP:** Scheduled Sacrifice

**HISTO:** 59727

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx  
\* Trachea

\* Lung

\* Lymph Node, Bronchial

\* Nose

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Lymph Node, Mediastinal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 53

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** Control

**DISP:** Terminal Sacrifice

**HISTO:** 59728

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Intestine Small, Ileum  
\* Lung

Intestine Small, Jejunum  
\* Lymph Node, Bronchial

Lacrimal Gland  
\* Lymph Node, Mediastinal

\* Larynx  
\* Trachea

---

**OBSERVATIONS**

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 57

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** Control

**DISP:** Terminal Sacrifice

**HISTO:** 59732

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Intestine Small, Ileum	Intestine Small, Jejunum	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Trachea	

---

**OBSERVATIONS**

* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 59

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** Control

**DISP:** Terminal Sacrifice

**HISTO:** 59734

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Intestine Small, Ileum	Intestine Small, Jejunum	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Trachea		

---

**OBSERVATIONS**

* Lung		Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Moderate
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 61

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** Control

**DISP:** Scheduled Sacrifice

**HISTO:** 59736

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lung

\* Lymph Node, Mediastinal

\* Trachea

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Lymph Node, Bronchial

---

**OBSERVATIONS**

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Minimal

---



**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 62

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** Control

**DISP:** Scheduled Sacrifice

**HISTO:** 59737

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Trachea

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Lung

Metaplasia

Osseous, Minimal

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 205

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** 15 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59866

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

Liver

[ Necrosis TGLs = 1-6 ]

Necrosis

Marked

\* Lung

Foreign Body

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 206

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** 15 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59867

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx  
\* Trachea

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Nose

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Lung

Foreign Body

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 208

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** 15 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59869

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lymph Node, Bronchial

\* Trachea

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Lymph Node, Mediastinal

---

**OBSERVATIONS**

\* Lung

\* Nose

Olfactory Epi

Foreign Body

Metaplasia

Respiratory, Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 210

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** 15 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 59871

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Larynx

\* Trachea

**MISSING**

\* Lymph Node, Bronchial

**OBSERVATIONS**

\* Lung

Interstitialium

Fibrosis

Minimal

Foreign Body

Alveolar Epith

Hyperplasia

Minimal

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Marked

[ Infiltration Cellular TGLs = TGL 1-5 ]

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Moderate

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 211

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** 15 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59872

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 213

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** 15 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59874

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lymph Node, Bronchial

\* Nose

\* Trachea

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Lymph Node, Mediastinal

---

**OBSERVATIONS**

\* Lung

Foreign Body  
Infiltration Cellular

Histiocyte, Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 214

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** 15 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59875

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lymph Node, Bronchial

\* Trachea

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Lymph Node, Mediastinal

---

**OBSERVATIONS**

\* Lung

Foreign Body

Metaplasia

Osseous, Minimal

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Minimal

---



**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 215

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** 15 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59876

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Lymph Node, Bronchial

**OBSERVATIONS**

\* Lung

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 216

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** 15 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 59877

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small, Ileum

\* Trachea

**MISSING**

Intestine Small, Jejunum

**OBSERVATIONS**

* Larynx	Epiglottis	Metaplasia	Squamous, Minimal
* Lung	Interstitialium	Fibrosis	Minimal
	Alveolar Epith	Foreign Body	
		Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic Active, Minimal
		Metaplasia	Osseous, Minimal
* Lymph Node, Bronchial		Foreign Body	
		Infiltration Cellular	Histiocyte, Moderate
* Lymph Node, Mediastinal		Foreign Body	
		Infiltration Cellular	Histiocyte, Moderate
	[ Infiltration Cellular TGLs = TGL 1-5 ]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Moderate
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 219

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** 15 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59880

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Moderate

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Minimal

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 221

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** 15 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 59882

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Larynx

\* Trachea

**OBSERVATIONS**

* Lung	Interstitialm	Fibrosis	Minimal
	Alveolar Epith	Foreign Body	
		Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
* Lymph Node, Bronchial		Foreign Body	
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mediastinal		Fibrosis	Minimal
		Foreign Body	
		Infiltration Cellular	Histiocyte, Moderate
	[ Infiltration Cellular TGLs = TGL 1-5 ]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Moderate
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 223

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** 15 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 59884

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small, Ileum

\* Larynx

Lymph Node

\* Trachea

**MISSING**

Intestine Small, Jejunum

**INSUFFICIENT TISSUE**

\* Lymph Node, Bronchial

**OBSERVATIONS**

* Lung	Interstitialium	Fibrosis	Minimal
		Foreign Body	
	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mediastinal		Foreign Body	
		Infiltration Cellular	Histiocyte, Mild
	[ Infiltration Cellular TGLs = TGL 3-5 ]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Moderate
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 225

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** 15 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59886

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Lymph Node, Bronchial

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Interstitium

Fibrosis

Minimal

Foreign Body

Alveolar Epith

Hyperplasia

Minimal

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Moderate

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Moderate

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 226

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** 15 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59887

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Lymph Node, Mediastinal

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Interstitium

Fibrosis

Minimal

Foreign Body

Alveolar Epith

Hyperplasia

Minimal

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 228

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** 15 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59889

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Trachea

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Lung

Foreign Body

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Minimal

---



**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 230

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** 15 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59891

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Lymph Node, Bronchial

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Interstitium

Fibrosis

Minimal

Foreign Body

Alveolar Epith

Hyperplasia

Minimal

Infiltration Cellular

Histiocyte, Minimal

Inflammation

Chronic Active, Minimal

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Moderate

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 232

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** 15 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59893

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Interstitialium

Fibrosis

Minimal

Foreign Body

Alveolar Epith

Hyperplasia

Minimal

Infiltration Cellular

Histiocyte, Minimal

Inflammation

Chronic Active, Minimal

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Moderate

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Moderate

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 233

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** 15 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59894

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Interstitium

Fibrosis

Minimal

Foreign Body

Alveolar Epith

Hyperplasia

Minimal

Infiltration Cellular

Histiocyte, Mild

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 234

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** 15 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59895

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**INSUFFICIENT TISSUE**

\* Lymph Node, Mediastinal

**OBSERVATIONS**

\* Lung

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Minimal

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 236

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** 15 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 59897

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Larynx

\* Lymph Node, Bronchial

\* Trachea

**OBSERVATIONS**

\* Lung

Interstitialium

Fibrosis

Minimal

Foreign Body

Alveolar Epith

Hyperplasia

Minimal

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Marked

[ Infiltration Cellular TGLs = TGL 1-5 ]

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Moderate

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

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**ANIMAL ID:** 237

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** 15 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59898

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx  
\* Trachea

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Nose

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Lung

Foreign Body

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 242

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** 15 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59903

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx  
\* Trachea

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Nose

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Lung

Foreign Body  
Inflammation

Chronic Active, Minimal

---

Experiment Number: 20213 - 02  
Test Type: 39-WEEK  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Abrasive blasting agents (blasting sand)  
CAS Number: BLASTINGSAND

Date Report Requested: 03/22/2012  
Time Report Requested: 09:46:52  
First Dose M/F: 04/20/09 / NA  
Lab: BNW

ANIMAL ID: 243

TRT#: 2

SEX: Male

DAY ON TEST: 110

DOSE: 15 mg/m3

DISP: Scheduled Sacrifice

HISTO: 59904

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Larynx

\* Trachea

MISSING

Intestine Small, Ileum

Intestine Small, Jejunum

OBSERVATIONS

\* Lung

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

Inflammation

Chronic Active, Minimal

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Minimal



**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 248

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** 15 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59909

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Interstitium

Fibrosis

Minimal

Foreign Body

Alveolar Epith

Hyperplasia

Minimal

Infiltration Cellular

Histiocyte, Minimal

Inflammation

Chronic Active, Minimal

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Moderate

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Moderate

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 249

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** 15 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59910

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Lymph Node, Mediastinal

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Interstitium

Fibrosis

Minimal

Foreign Body

Alveolar Epith

Hyperplasia

Minimal

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Moderate

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 251

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** 15 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59912

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Interstitium

Fibrosis

Minimal

Foreign Body

Alveolar Epith

Hyperplasia

Minimal

Infiltration Cellular

Histiocyte, Minimal

Inflammation

Chronic Active, Minimal

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Moderate

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Moderate

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

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**ANIMAL ID:** 252

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** 15 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59913

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx  
\* Trachea

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Nose

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Lung

Foreign Body  
Inflammation

Chronic Active, Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 253

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** 15 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 59914

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Larynx

\* Trachea

**OBSERVATIONS**

* Lung	Interstitialm	Fibrosis	Minimal
		Foreign Body	
	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
		Metaplasia	Osseous, Minimal
* Lymph Node, Bronchial		Foreign Body	
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mediastinal		Foreign Body	
		Infiltration Cellular	Histiocyte, Moderate
	[ Infiltration Cellular TGLs = TGL 1-5 ]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Moderate
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 257

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** 15 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 59918

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Larynx

\* Trachea

**MISSING**

\* Lymph Node, Bronchial

**OBSERVATIONS**

* Lung	Interstitium	Fibrosis	Minimal
		Foreign Body	
	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mediastinal		Foreign Body	
		Infiltration Cellular	Histiocyte, Moderate
	[ Infiltration Cellular TGLs = TGL 1-5 ]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Marked
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 259

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** 15 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 59920

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Larynx

\* Lymph Node, Bronchial

\* Trachea

**OBSERVATIONS**

\* Lung

Interstitialium

Fibrosis

Minimal

Foreign Body

Alveolar Epith

Hyperplasia

Minimal

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Mild

[ Infiltration Cellular TGLs = TGL 1-5 ]

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Moderate

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

Experiment Number: 20213 - 02  
Test Type: 39-WEEK  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Abrasive blasting agents (blasting sand)  
CAS Number: BLASTINGSAND

Date Report Requested: 03/22/2012  
Time Report Requested: 09:46:52  
First Dose M/F: 04/20/09 / NA  
Lab: BNW

ANIMAL ID: 261

TRT#: 2

SEX: Male

DAY ON TEST: 110

DOSE: 15 mg/m3

DISP: Scheduled Sacrifice

HISTO: 59922

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex

Adrenal Medulla

\* Larynx

\* Trachea

MISSING

Intestine Small, Ileum

Intestine Small, Jejunum

OBSERVATIONS

\* Lung

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

\* Lymph Node, Mediastinal

Pigmentation

Mild

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Minimal



**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 262

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** 15 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59923

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Lymph Node, Mediastinal

**OBSERVATIONS**

\* Lung

Foreign Body

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

Pigmentation

Mild

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Minimal

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 405

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** 30 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59804

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Foreign Body

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Moderate

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Minimal

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 406

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** 30 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59805

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Trachea

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Lung

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 408

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** 30 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59807

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lymph Node, Bronchial

\* Nose

\* Trachea

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**INSUFFICIENT TISSUE**

\* Lymph Node, Mediastinal

---

**OBSERVATIONS**

\* Lung

Foreign Body  
Infiltration Cellular  
Inflammation

Histiocyte, Minimal  
Chronic Active, Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 410

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** 30 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 59809

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Larynx

\* Trachea

**OBSERVATIONS**

* Lung	Interstitialm	Fibrosis	Minimal
	Alveolar Epith	Foreign Body	
		Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic Active, Minimal
* Lymph Node, Bronchial		Foreign Body	
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mediastinal		Foreign Body	
		Infiltration Cellular	Histiocyte, Marked
	[ Infiltration Cellular TGLs = TGL 1-5 ]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Moderate
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal

Animal Note: TGL 2 = NCL (No Corresponding Lesion)

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 411

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** 30 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59810

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Moderate

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Minimal

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 413

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** 30 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59812

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Trachea

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Lung

Foreign Body

Metaplasia

Osseous, Minimal

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 414

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** 30 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59813

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx  
\* Trachea

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Nose

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Lung

Foreign Body

---



**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 415

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** 30 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59814

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Nose

Olfactory Epi

Pigmentation

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 416

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** 30 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 59815

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Trachea

**OBSERVATIONS**

\* Larynx

Epiglottis

Metaplasia

Squamous, Minimal

\* Lung

Interstitial

Fibrosis

Minimal

Foreign Body

Alveolar Epith

Hyperplasia

Mild

Infiltration Cellular

Histiocyte, Moderate

Inflammation

Chronic Active, Minimal

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Marked

[ Infiltration Cellular TGLs = TGL 1-5 ]

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Marked

Respirat Epith

Accumulation, Hyaline Droplet

Mild

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 419

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** 30 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59818

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 421

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** 30 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 59820

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small, Ileum  
 \* Trachea

Intestine Small, Jejunum

\* Larynx

\* Lymph Node, Bronchial

**OBSERVATIONS**

\* Lung

Interstitialium

Fibrosis

Minimal

Foreign Body

Alveolar Epith

Hyperplasia

Mild

Infiltration Cellular

Histiocyte, Moderate

Inflammation

Chronic Active, Mild

[ Infiltration Cellular TGLs = TGL 1-2, 3 ]

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Marked

[ Infiltration Cellular TGLs = TGL 2-5 ]

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Marked

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 423

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** 30 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 59822

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Larynx

\* Trachea

**OBSERVATIONS**

\* Lung

Interstitialium

Fibrosis

Minimal

Foreign Body

Alveolar Epith

Hyperplasia

Mild

Infiltration Cellular

Histiocyte, Moderate

Inflammation

Chronic Active, Minimal

[ Infiltration Cellular TGLs = TGL 1-2+3 ]

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Marked

[ Infiltration Cellular TGLs = TGL 2-5 ]

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Marked

Respirat Epith

Accumulation, Hyaline Droplet

Mild

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 425

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** 30 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59824

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Interstitium

Fibrosis

Minimal

Foreign Body

Alveolar Epith

Hyperplasia

Minimal

Infiltration Cellular

Histiocyte, Minimal

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Moderate

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 426

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** 30 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59825

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Alveolar Epith

Foreign Body

Hyperplasia

Minimal

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Moderate

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Moderate

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 428

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** 30 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59827

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx  
\* Trachea

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Nose

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Lung

Foreign Body  
Infiltration Cellular  
Inflammation  
Metaplasia

Histiocyte, Minimal  
Chronic Active, Minimal  
Osseous, Minimal

---



**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 430

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** 30 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59829

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

* Lung	Interstitialium	Fibrosis	Minimal
		Foreign Body	
	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic Active, Minimal
* Lymph Node, Bronchial		Foreign Body	
		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mediastinal		Foreign Body	
		Infiltration Cellular	Histiocyte, Marked
		Pigmentation	Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal

Experiment Number: 20213 - 02  
Test Type: 39-WEEK  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Abrasive blasting agents (blasting sand)  
CAS Number: BLASTINGSAND

Date Report Requested: 03/22/2012  
Time Report Requested: 09:46:52  
First Dose M/F: 04/20/09 / NA  
Lab: BNW

ANIMAL ID: 432

TRT#: 3

SEX: Male

DAY ON TEST: 180

DOSE: 30 mg/m3

DISP: Scheduled Sacrifice

HISTO: 59831

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Small, Ileum

\* Larynx

\* Trachea

MISSING

Intestine Small, Jejunum

OBSERVATIONS

\* Lung

Interstitialium

Fibrosis

Minimal

Foreign Body

Alveolar Epith

Hyperplasia

Minimal

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

\* Lymph Node, Bronchial

Pigmentation

Mild

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Moderate

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 433

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** 30 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59832

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Lymph Node, Bronchial

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Interstitium

Fibrosis

Minimal

Foreign Body

Alveolar Epith

Hyperplasia

Minimal

Infiltration Cellular

Histiocyte, Minimal

Inflammation

Chronic Active, Minimal

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Moderate

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Moderate

Respirat Epith

Accumulation, Hyaline Droplet

Mild

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 434

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** 30 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59833

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Lymph Node, Mediastinal

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Minimal

Respirat Epith

Accumulation, Hyaline Droplet

Mild

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 436

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** 30 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 59835

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Larynx

\* Trachea

**OBSERVATIONS**

* Lung	Interstitialm	Fibrosis	Minimal
	Alveolar Epith	Foreign Body	
		Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic Active, Minimal
[ Infiltration Cellular TGLs = TGL 3-2, 3 ]			
* Lymph Node, Bronchial		Foreign Body	
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mediastinal		Foreign Body	
		Infiltration Cellular	Histiocyte, Marked
[ Infiltration Cellular TGLs = TGL 2-5 ]			
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Moderate
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
Testes	Bilateral	Atrophy	Marked
[ Atrophy TGLs = TGL 1-6 ]			

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 437

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** 30 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59836

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Trachea

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Lung

Foreign Body

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 442

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** 30 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59841

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx  
\* Trachea

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Nose

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Lung

Foreign Body  
Infiltration Cellular

Histiocyte, Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 443

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** 30 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59842

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Lymph Node, Mediastinal

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Foreign Body

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Minimal

Respirat Epith

Accumulation, Hyaline Droplet

Minimal



**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 448

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** 30 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59847

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Interstitium

Fibrosis

Minimal

Foreign Body

Alveolar Epith

Hyperplasia

Minimal

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Moderate

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Moderate

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 449

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** 30 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59848

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Lymph Node, Bronchial

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Lymph Node, Mediastinal

**OBSERVATIONS**

\* Lung

Interstitium

Fibrosis

Minimal

Foreign Body

Alveolar Epith

Hyperplasia

Minimal

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Moderate

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 451

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** 30 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59850

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Interstitialium

Fibrosis

Minimal

Foreign Body

Alveolar Epith

Hyperplasia

Minimal

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

\* Lymph Node, Bronchial

Fibrosis

Minimal

Foreign Body

\* Lymph Node, Mediastinal

Infiltration Cellular

Histiocyte, Moderate

Foreign Body

Infiltration Cellular

Histiocyte, Moderate

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Marked

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 452

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** 30 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59851

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx  
\* Trachea

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Nose

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Lung

Foreign Body

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 453

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** 30 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 59852

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Larynx

\* Trachea

**OBSERVATIONS**

* Lung	Interstitial	Fibrosis	Minimal
	Alveolar Epith	Foreign Body	
		Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic Active, Minimal
* Lymph Node, Bronchial		Foreign Body	
		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mediastinal		Foreign Body	
		Infiltration Cellular	Histiocyte, Marked
	[ Infiltration Cellular TGLs = TGL 1-5 ]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Marked
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 457

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** 30 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 59856

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small, Ileum

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Jejunum

\* Lymph Node, Bronchial

**OBSERVATIONS**

\* Lung

Interstitium

Fibrosis

Minimal

Foreign Body

Alveolar Epith

Hyperplasia

Mild

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

\* Lymph Node, Mediastinal

Fibrosis

Mild

Foreign Body

Infiltration Cellular

Histiocyte, Marked

[ Infiltration Cellular TGLs = TGL 1-5 ]

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Moderate

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 459

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** 30 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 59858

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Larynx

\* Trachea

**OBSERVATIONS**

* Lung	Interstitialm	Fibrosis	Minimal
	Alveolar Epith	Foreign Body	
		Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic Active, Minimal
* Lymph Node, Bronchial		Foreign Body	
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mediastinal		Foreign Body	
		Infiltration Cellular	Histiocyte, Marked
	[ Infiltration Cellular TGLs = TGL 1-5 ]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Moderate
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 461

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** 30 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59860

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Moderate

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Minimal



**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 462

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** 30 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59861

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Lymph Node, Mediastinal

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Foreign Body

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Mild

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 605

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** 60 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59742

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Foreign Body

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Moderate

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 606

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** 60 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59743

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx  
\* Trachea

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Nose

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Lung

Foreign Body  
Infiltration Cellular

Histiocyte, Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 608

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** 60 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59745

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx  
\* Trachea

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Nose

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Lung

Foreign Body  
Infiltration Cellular

Histiocyte, Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 610

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** 60 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 59747

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Larynx

\* Lymph Node, Bronchial

\* Trachea

**OBSERVATIONS**

\* Lung

Interstitialium

Fibrosis

Mild

Foreign Body

Alveolar Epith

Hyperplasia

Mild

Infiltration Cellular

Histiocyte, Moderate

Inflammation

Chronic Active, Mild

Proteinosis

Moderate

[ Infiltration Cellular TGLs = TGL 1-2, 3 ]

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Marked

[ Infiltration Cellular TGLs = TGL 2-5 ]

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Moderate

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

Animal Note: TGLs 3 & 4 = NCL (No Corresponding Lesion)

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 611

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** 60 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59748

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Foreign Body

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Moderate

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Moderate

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Moderate

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

Respirat Epith

Metaplasia

Squamous, Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 613

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** 60 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59750

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Nose

\* Trachea

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

---

**OBSERVATIONS**

\* Lung

Alveolar Epith

Foreign Body  
Hyperplasia  
Infiltration Cellular  
Metaplasia

Focal, Moderate  
Histiocyte, Minimal  
Osseous, Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 614

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** 60 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59751

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx  
\* Trachea

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Nose

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Lung

Foreign Body  
Infiltration Cellular

Histiocyte, Minimal

---



**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 615

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** 60 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59752

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Lymph Node, Bronchial

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

Liver

[ Hepatodiaphragmatic Nodule TGLs = 1-6 ]

Hepatodiaphragmatic Nodule

\* Lung

Foreign Body

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Moderate

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 616

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** 60 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 59753

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Larynx

\* Trachea

**OBSERVATIONS**

* Lung	Interstitialium	Fibrosis	Mild
	Alveolar Epith	Foreign Body	
		Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic Active, Minimal
[ Infiltration Cellular TGLs = TGL 2-2, 3 ]			
Lymph Node	Lumbar	Infiltration Cellular	Histiocyte, Minimal
	Lumbar	Pigmentation	Minimal
[ Infiltration Cellular TGLs = TGL 1-7 ]			
* Lymph Node, Bronchial		Foreign Body	
		Infiltration Cellular	Histiocyte, Moderate
* Lymph Node, Mediastinal		Fibrosis	Mild
		Foreign Body	
		Infiltration Cellular	Histiocyte, Marked
[ Infiltration Cellular TGLs = TGL 3-5 ]			
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Moderate
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal

Animal Note: TGLs 4 & 5=NCL (No Corresponding Lesion)

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 619

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** 60 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59756

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Foreign Body

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Moderate

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 621

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** 60 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 59758

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Larynx

\* Trachea

**OBSERVATIONS**

* Lung	Interstitialm	Fibrosis	Mild
	Alveolar Epith	Foreign Body	
		Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic Active, Mild
		Proteinosis	Minimal
[ Infiltration Cellular TGLs = TGL 1-2, 3 ]			
* Lymph Node, Bronchial		Foreign Body	
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mediastinal		Fibrosis	Mild
		Foreign Body	
		Infiltration Cellular	Histiocyte, Marked
		Necrosis	Minimal
[ Infiltration Cellular TGLs = TGL 2-5 ]			
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Marked
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal

Animal Note: TGLs 3 & 4 = NCL (No Corresponding Lesion)

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 623

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** 60 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 59760

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small, Jejunum

\* Trachea

**MISSING**

Intestine Small, Ileum

**OBSERVATIONS**

* Larynx	Epiglottis	Metaplasia	Squamous, Minimal
* Lung	Interstitialium	Fibrosis	Mild
	Alveolar Epith	Foreign Body	
		Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic Active, Minimal
[ Infiltration Cellular	TGLs = TGL 1-2, 3 ]		
* Lymph Node, Bronchial		Foreign Body	
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mediastinal		Foreign Body	
		Infiltration Cellular	Histiocyte, Marked
[ Infiltration Cellular	TGLs = TGL 2-5 ]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Marked
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 625

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** 60 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59762

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Interstitialium

Fibrosis

Mild

Foreign Body

Alveolar Epith

Hyperplasia

Minimal

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

Proteinosis

Minimal

[ Infiltration Cellular TGLs = 1-2+3 ]

\* Lymph Node, Bronchial

Fibrosis

Minimal

Foreign Body

\* Lymph Node, Mediastinal

Infiltration Cellular

Histiocyte, Marked

Foreign Body

Infiltration Cellular

Histiocyte, Moderate

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Moderate

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 626

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** 60 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59763

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Interstitialium

Fibrosis

Minimal

Foreign Body

Alveolar Epith

Hyperplasia

Minimal

Infiltration Cellular

Histiocyte, Moderate

Inflammation

Chronic Active, Minimal

[ Infiltration Cellular TGLs = 1-2+3 ]

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Moderate

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Mild

Pigmentation

Mild

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 628

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** 60 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59765

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Trachea

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Lung

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

Inflammation

Chronic Active, Minimal

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Minimal

---



Experiment Number: 20213 - 02  
Test Type: 39-WEEK  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Abrasive blasting agents (blasting sand)  
CAS Number: BLASTINGSAND

Date Report Requested: 03/22/2012  
Time Report Requested: 09:46:52  
First Dose M/F: 04/20/09 / NA  
Lab: BNW

ANIMAL ID: 630

TRT#: 4

SEX: Male

DAY ON TEST: 180

DOSE: 60 mg/m3

DISP: Scheduled Sacrifice

HISTO: 59767

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Larynx

MISSING

Intestine Small, Ileum

Intestine Small, Jejunum

OBSERVATIONS

\* Lung

Interstitialium

Fibrosis

Minimal

Foreign Body

Alveolar Epith

Hyperplasia

Minimal

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

[ Infiltration Cellular TGLs = 1-2+3 ]

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Moderate

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

\* Trachea

Glands

Inflammation

Suppurative, Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 632

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** 60 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59769

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

* Lung	Interstitial	Fibrosis	Mild
	Alveolar Epith	Foreign Body	
		Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic Active, Minimal
[ Infiltration Cellular TGLs = 1-2+3 ]			
* Lymph Node, Bronchial		Foreign Body	
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mediastinal		Foreign Body	
		Infiltration Cellular	Histiocyte, Moderate
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Moderate
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 633

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** 60 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59770

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Interstitialium

Fibrosis

Minimal

Foreign Body

Alveolar Epith

Hyperplasia

Minimal

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

[ Infiltration Cellular TGLs = 1-2+3 ]

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Lymph Node, Mediastinal

Fibrosis

Mild

Foreign Body

Infiltration Cellular

Histiocyte, Marked

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Moderate

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 634

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** 60 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59771

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Foreign Body

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Marked

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Moderate

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 636

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** 60 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 59773

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Larynx

\* Trachea

**OBSERVATIONS**

* Lung	Interstitialm	Fibrosis	Mild
	Alveolar Epith	Foreign Body	
		Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic Active, Minimal
		Proteinosis	Minimal
[ Infiltration Cellular TGLs = TGL 1-2, 3 ]			
* Lymph Node, Bronchial		Foreign Body	
		Infiltration Cellular	Histiocyte, Mild
[ Infiltration Cellular TGLs = TGL 3-2 ]			
* Lymph Node, Mediastinal		Foreign Body	
		Infiltration Cellular	Histiocyte, Marked
[ Infiltration Cellular TGLs = TGL 2-5 ]			
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Moderate
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal

Animal Note: TGLs 4 & 5 = NCL (No Corresponding Lesion)

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 637

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** 60 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59774

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Trachea

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Lung

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

Inflammation

Chronic Active, Minimal

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 642

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** 60 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59779

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lymph Node, Bronchial

\* Nose

\* Trachea

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**INSUFFICIENT TISSUE**

\* Lymph Node, Mediastinal

---

**OBSERVATIONS**

\* Lung

Foreign Body  
Infiltration Cellular  
Inflammation

Histiocyte, Minimal  
Chronic Active, Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 643

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** 60 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59780

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Foreign Body

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Moderate

Respirat Epith

Accumulation, Hyaline Droplet

Minimal



**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 648

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** 60 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59785

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

Adrenal Cortex

Hyperplasia

Lymphoid, Marked

\* Lung

Interstitialium

Fibrosis

Mild

Foreign Body

Alveolar Epith

Hyperplasia

Minimal

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

[ Infiltration Cellular TGLs = 1-2+3 ]

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Moderate

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 649

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** 60 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59786

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Interstitialium

Fibrosis

Mild

Foreign Body

Alveolar Epith

Hyperplasia

Minimal

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

[ Infiltration Cellular TGLs = 2-2+3 ]

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Lymph Node, Mediastinal

Fibrosis

Foreign Body

Minimal

Infiltration Cellular

Histiocyte, Marked

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Moderate

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

Skin

Inflammation

Chronic Active, Marked

[ Inflammation TGLs = 1-6 ]

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 651

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 180

**DOSE:** 60 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59788

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**INSUFFICIENT TISSUE**

\* Lymph Node, Mediastinal

**OBSERVATIONS**

\* Lung

Interstitialium

Fibrosis

Mild

Foreign Body

Alveolar Epith

Hyperplasia

Minimal

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

[ Infiltration Cellular TGLs = 1-2+3 ]

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Moderate

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 652

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 26

**DOSE:** 60 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59789

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx  
\* Trachea

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Nose

---

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

---

**OBSERVATIONS**

\* Lung

Foreign Body  
Infiltration Cellular

Histiocyte, Minimal

---

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 653

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** 60 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 59790

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Larynx

\* Trachea

**OBSERVATIONS**

* Lung	Interstitialm	Fibrosis	Mild
	Alveolar Epith	Foreign Body	
		Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic Active, Minimal
		Proteinosis	Minimal
[ Infiltration Cellular TGLs = TGL 1-2, 3 ]			
* Lymph Node, Bronchial		Foreign Body	
		Infiltration Cellular	Histiocyte, Mild
[ Infiltration Cellular TGLs = TGL 2-2 ]			
* Lymph Node, Mediastinal		Foreign Body	
		Infiltration Cellular	Histiocyte, Marked
[ Infiltration Cellular TGLs = TGL3-5 ]			
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Marked
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 657

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** 60 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 59794

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small, Ileum

\* Larynx

\* Trachea

**INSUFFICIENT TISSUE**

Intestine Small, Jejunum

**OBSERVATIONS**

* Lung	Interstitial	Fibrosis	Mild
		Foreign Body	
	Alveolar Epith	Hyperplasia	Focal, Marked
	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic Active, Mild
		Proteinosis	Minimal
[ Infiltration Cellular TGLs = TGL1-2, 3 ]			
* Lymph Node, Bronchial		Fibrosis	Minimal
		Foreign Body	
		Infiltration Cellular	Histiocyte, Moderate
* Lymph Node, Mediastinal		Foreign Body	
		Infiltration Cellular	Histiocyte, Marked
[ Infiltration Cellular TGLs = TGL 2-5 ]			
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Moderate
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 659

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 271

**DOSE:** 60 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 59796

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small, Ileum

Intestine Small, Jejunum

\* Larynx

\* Trachea

**OBSERVATIONS**

* Lung	Interstitialium	Fibrosis	Mild
	Alveolar Epith	Foreign Body	
		Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic Active, Moderate
		Proteinosis	Minimal
[ Infiltration Cellular TGLs = TGL 1-2, 3 ]			
* Lymph Node, Bronchial		Fibrosis	Minimal
		Foreign Body	
		Infiltration Cellular	Histiocyte, Moderate
* Lymph Node, Mediastinal		Foreign Body	
		Infiltration Cellular	Histiocyte, Marked
[ Infiltration Cellular TGLs = TGL 2-5 ]			
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Moderate
	Respirat Epith	Accumulation, Hyaline Droplet	Minimal

Animal Note: TGLs 3 & 4 = NCL (No Corresponding Lesion)

**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 661

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** 60 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59798

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Foreign Body

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Minimal

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Moderate

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Minimal

Preputial Gland

Inflammation

Chronic Active, Marked

[ Inflammation TGLs = 1-6 ]



**Experiment Number:** 20213 - 02  
**Test Type:** 39-WEEK  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (blasting sand)  
**CAS Number:** BLASTINGSAND

**Date Report Requested:** 03/22/2012  
**Time Report Requested:** 09:46:52  
**First Dose M/F:** 04/20/09 / NA  
**Lab:** BNW

**ANIMAL ID:** 662

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 110

**DOSE:** 60 mg/m3

**DISP:** Scheduled Sacrifice

**HISTO:** 59799

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Larynx

\* Trachea

**MISSING**

Intestine Small, Ileum

Intestine Small, Jejunum

**OBSERVATIONS**

\* Lung

Foreign Body

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

\* Lymph Node, Bronchial

Foreign Body

Infiltration Cellular

Histiocyte, Mild

\* Lymph Node, Mediastinal

Foreign Body

Infiltration Cellular

Histiocyte, Moderate

\* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Mild

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