Test Type: 39-WEEK

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Abrasive blasting agents (specular hematite)

25019 MSAC

**CAS Number: HEMATITESPEC** 

F1\_Rev.1\_39 Wk Core\_HSD

**NTP Study Number:** C20536

Lock Date: 07/19/2010

**Cage Range:** ALL

**Date Range:** ALL

**Reasons For Removal:** 25021 TSAC

**Removal Date Range:** ALL

**Treatment Groups:** Include ALL

**Study Gender:** Male

**TDMSE Version:** 2.6.0.0\_007

**PWG Approval Date:** 02/08/2012

**Date Report Requested:** 09/13/2012 Time Report Requested: 10:34:30 First Dose M/F: 07/27/09 / NA

Lab: BNW

Test Type: 39-WEEK

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Abrasive blasting agents (specular hematite)

**CAS Number: HEMATITESPEC** 

Date Report Requested: 09/13/2012 Time Report Requested: 10:34:30 First Dose M/F: 07/27/09 / NA

Lab: BNW

## **ALIMENTARY SYSTEM**

NONE

## **CARDIOVASCULAR SYSTEM**

NONE

# **ENDOCRINE SYSTEM**

NONE

#### **GENERAL BODY SYSTEM**

NONE

## **GENITAL SYSTEM**

NONE

# **HEMATOPOIETIC SYSTEM**

Lymph Node, Bronchial + I + M + I M + + + 5

# **INTEGUMENTARY SYSTEM**

NONE

# **MUSCULOSKELETAL SYSTEM**

- \* .. Total animals with tissue examined microscopically; Total animals with tumor
- + .. Tissue examined microscopically
- X .. Lesion present
- I .. Insufficient tissue

- M .. Missing tissue
- A .. Autolysis precludes evaluation
- BLANK .. Not examined microscopically

Test Type: 39-WEEK

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Abrasive blasting agents (specular hematite)

**CAS Number: HEMATITESPEC** 

Date Report Requested: 09/13/2012 Time Report Requested: 10:34:30 First Dose M/F: 07/27/09 / NA

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Lab: BNW

HARLAN SPRAGUE DAWLE	ON TEST Y RATS	0 2 7 1	0 2 7 1	0 2 7 1	0 2 7 1	0 2 7 1	0 2 7 1	0 2 5 3	0 2 7 1	0 2 7 1	
Control	NIMAL ID	0 0 0 0 6	0 0 0 1 0	0 0 0 2 3	0 0 0 2 7	0 0 0 3 0	0 0 0 3 2	0 0 0 3 4	0 0 0 6 0	0 0 0 6 2	
NONE						•					
NERVOUS SYSTEM							-				
NONE											
RESPIRATORY SYSTEM											
Larynx		+	+	+	+	+	+	+	+	+	
Lung Mediastinum, Hemangiosarcoma		+	+	+	+	+	+	+ X	+	+	
Nose		+	+	+	+	+	+	+	+	+	
Trachea		+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM											
NONE											
URINARY SYSTEM											
NONE											

Multiple Organ

<sup>\* ..</sup> Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Test Type: 39-WEEK

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Abrasive blasting agents (specular hematite)

**CAS Number:** HEMATITESPEC

Date Report Requested: 09/13/2012 Time Report Requested: 10:34:30 First Dose M/F: 07/27/09 / NA

Lab: BNW

DAY ON TEST HARLAN SPRAGUE DAWLEY RATS MALE	0 2 7 1									
15 mg/m3  ANIMAL ID	0 0 2 0 6	0 0 2 1 0	0 0 2 2 3	0 0 2 2 7	0 0 2 3 0	0 0 2 3 2	0 0 2 6 0	0 0 2 6 2 2	**	<b>TOTALS</b>
ALIMENTARY SYSTEM		•								
Liver		+								1
CARDIOVASCULAR SYSTEM	•									
NONE										
ENDOCRINE SYSTEM										
NONE										
GENERAL BODY SYSTEM					-					
NONE										
GENITAL SYSTEM										
NONE										
HEMATOPOIETIC SYSTEM										
Lymph Node				+						1
Lymph Node, Bronchial	+	+	+	+	+	+	+	Л		7
Lymph Node, Mediastinal	+	+	+	+	+	+	+	+		8

# **INTEGUMENTARY SYSTEM**

NONE

- \* .. Total animals with tissue examined microscopically; Total animals with tumor
- + .. Tissue examined microscopically
- X .. Lesion present
- I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

Test Type: 39-WEEK

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Abrasive blasting agents (specular hematite)

**CAS Number: HEMATITESPEC** 

Date Report Requested: 09/13/2012 Time Report Requested: 10:34:30 First Dose M/F: 07/27/09 / NA

Lab: BNW

DAY ON TEST HARLAN SPRAGUE DAWLEY RATS MALE	0 2 7 1								
15 mg/m3  ANIMAL ID	0 0 2 0 6	0 0 2 1 0	0 0 2 2 3	0 0 2 2 7	0 0 2 3 0	0 0 2 3 2	0 0 2 6 0	0 0 2 6 2	* TOTALS

## **MUSCULOSKELETAL SYSTEM**

NONE

# **NERVOUS SYSTEM**

NONE

# **RESPIRATORY SYSTEM**

Larynx	+ + + + + + +	8
Lung	+ + + + + + +	8
Nose	+ + + + + + +	8
Trachea	+ + + + + +   +	7

# **SPECIAL SENSES SYSTEM**

NONE

# **URINARY SYSTEM**

NONE

# **SYSTEMIC LESIONS**

<sup>\* ..</sup> Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

Test Type: 39-WEEK

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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Date Report Requested: 09/13/2012 Time Report Requested: 10:34:30 First Dose M/F: 07/27/09 / NA

Lab: BNW

## **ALIMENTARY SYSTEM**

NONE

## CARDIOVASCULAR SYSTEM

NONE

# **ENDOCRINE SYSTEM**

NONE

### **GENERAL BODY SYSTEM**

NONE

## **GENITAL SYSTEM**

NONE

# **HEMATOPOIETIC SYSTEM**

 Lymph Node
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 Lymph Node, Bronchial
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Lymph Node, Mediastinal + + + + + M + +

# **INTEGUMENTARY SYSTEM**

NONE

- \* .. Total animals with tissue examined microscopically; Total animals with tumor
- + .. Tissue examined microscopically
- X .. Lesion present
- I .. Insufficient tissue

- M .. Missing tissue
- A .. Autolysis precludes evaluation
- BLANK .. Not examined microscopically

Test Type: 39-WEEK

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Abrasive blasting agents (specular hematite)

**CAS Number: HEMATITESPEC** 

Date Report Requested: 09/13/2012 Time Report Requested: 10:34:30 First Dose M/F: 07/27/09 / NA

Lab: BNW

DAY ON TEST HARLAN SPRAGUE DAWLEY RATS MALE	0 2 7 1	0 2 7 1	0 2 7 1	0 2 7 1	0 2 7 1	0 2 7 1	0 2 7 1	0 2 7 1
30 mg/m3  ANIMAL ID	0 0 4 0 6	0 0 4 1 0	0 0 4 2 3	0 4	0 0 4 3 0	0 0 4 3 2	0 0 4 6 0	0 0 4 6 2
MUSCULOSKELETAL SYSTEM				-	_	-		
NONE								
NERVOUS SYSTEM								
NONE			_					
RESPIRATORY SYSTEM								
Larynx	+	+	+	+	+	+	+	+
Lung	+	+	+	+	+	+	+	+
Nose	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+
SPECIAL SENSES SYSTEM								
NONE					_			
URINARY SYSTEM								
Kidney		+		-		_	-	_
SYSTEMIC LESIONS								
Multiple Organ	+	+	+	+	+	+	+	+

 $<sup>^{\</sup>star}$  .. Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Test Type: 39-WEEK

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Abrasive blasting agents (specular hematite)

**CAS Number:** HEMATITESPEC

Date Report Requested: 09/13/2012 Time Report Requested: 10:34:30 First Dose M/F: 07/27/09 / NA

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Lab: BNW

DAY ON TEST HARLAN SPRAGUE DAWLEY RATS MALE	0 2 7 1	0 2 7 1	0 2 7 1	0 2 7 1	0 2 5 3	0 2 7 1	0 2 7 1	0 2 7 1	0 2 7 1	
60 mg/m3  ANIMAL ID	0 0 6 0 6	0 0 6 1 0	0 0 6 2 3	0 0 6 2 7	0 0 6 3 0	0 0 6 3 2	0 0 6 5 8	0 0 6 6 0	0 0 6 6 2	* ТОТ

## **ALIMENTARY SYSTEM**

NONE

## **CARDIOVASCULAR SYSTEM**

NONE

# **ENDOCRINE SYSTEM**

NONE

#### **GENERAL BODY SYSTEM**

NONE

#### **GENITAL SYSTEM**

Lymph Node, Bronchial

NONE

# **HEMATOPOIETIC SYSTEM**

Lymph Node + 1

# **INTEGUMENTARY SYSTEM**

Skin + 1

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup> Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

Test Type: 39-WEEK

Route: RESPIRATORY EXPOSURE WHOLE BODY

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Lab: BNW

						_				
DAY ON TEST HARLAN SPRAGUE DAWLEY RATS MALE	0 2 7 1	0 2 7 1	0 2 7 1	0 2 7 1	0 2 5 3	0 2 7 1	0 2 7 1	0 2 7 1	0 2 7 1	
60 mg/m3  ANIMAL ID	0 0 6 0 6	0 0 6 1	0 0 6 2 3	0	0 0 6 3 0	0 0 6 3 2	0 0 6 5 8	0 0 6 6 0	0 0 6 6 2	* TOTALS
Basal Cell Carcinoma			1	<u> </u>	Х	1	l		l	1
MUSCULOSKELETAL SYSTEM					-					
NONE										
NERVOUS SYSTEM										
NONE										
RESPIRATORY SYSTEM										
Larynx	+	+	+	+	+	+	+	+	+	9
Lung	+	+	+	+	+	+	+	+	+	9
Nose	+	+	+	+	+	+	+	+	+	9
Trachea	+	+	+	+	+	+	+	+	+	9
SPECIAL SENSES SYSTEM										
NONE										
URINARY SYSTEM										
NONE										
SYSTEMIC LESIONS										
Multiple Organ	+	+	+	+	+	+	+	+	+	9

<sup>\* ..</sup> Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

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Test Type: 39-WEEK

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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Lab: BNW

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

<sup>\* ..</sup> Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

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