

**Study Number:** C11049-02  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA05: Incidence Rates of Neoplastic Lesions with Systemic Lesions Abridged**

**Test Compound:** Trimethylsilyldiazomethane

**CAS Number:** 18107-18-1

**Date Report Requested:** 10/22/2020

**Time Report Requested:** 09:13:35

**Lab:** Battelle

**Study Number:**

C11049-02

**Study Gender:**

Male

**PWG Approval Date:**

See web page for date of PWG Approval

**Study Number:** C11049-02  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA05: Incidence Rates of Neoplastic Lesions with Systemic Lesions Abridged**  
**Test Compound:** Trimethylsilyldiazomethane  
**CAS Number:** 18107-18-1

**Date Report Requested:** 10/22/2020  
**Time Report Requested:** 09:13:35  
**Lab:** Battelle

---

**Male: 1 Day Exposure**

---

	Treatment Groups (ppm)		
	0	10	25 ppm Hexanes
<b>Disposition Summary</b>			
<b>Animals Initially In Study</b>	8	8	8
<b>Scheduled Sacrifice</b>			
<b>Early Deaths</b>			
<b>Survivors</b>			
<b>Scheduled sacrifice, terminal (SD 1)</b>	8	8	8
<b>Animals Examined Microscopically</b>	8	8	8
<b>ALIMENTARY SYSTEM</b>			
LIVER	(8)	(8)	(8)
PHARYNX	(8)	(8)	(8)
<b>CARDIOVASCULAR SYSTEM</b>			
AORTA	(8)	(8)	(8)
HEART	(8)	(8)	(8)
<b>ENDOCRINE SYSTEM</b>			
No Tissues/Organs Examined			
<b>GENERAL BODY SYSTEM</b>			
No Tissues/Organs Examined			
<b>GENITAL SYSTEM</b>			
No Tissues/Organs Examined			
<b>HEMATOLYMPHOID SYSTEM</b>			
No Tissues/Organs Examined			
<b>INTEGUMENTARY SYSTEM</b>			
No Tissues/Organs Examined			
<b>MUSCULOSKELETAL SYSTEM</b>			
No Tissues/Organs Examined			

**Study Number:** C11049-02  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA05: Incidence Rates of Neoplastic Lesions with Systemic Lesions Abridged**  
**Test Compound:** Trimethylsilyldiazomethane  
**CAS Number:** 18107-18-1

**Date Report Requested:** 10/22/2020  
**Time Report Requested:** 09:13:35  
**Lab:** Battelle

---

**Male: 1 Day Exposure**

---

	Treatment Groups (ppm)		
	0	10	25 ppm Hexanes
NERVOUS SYSTEM			
BRAIN	(8)	(8)	(8)
NERVE, SCIATIC	(8)	(8)	(8)
TRIGEMINAL GANGLION	(8)	(8)	(8)
RESPIRATORY SYSTEM			
LARYNX	(8)	(8)	(8)
LUNG	(8)	(8)	(8)
NOSE	(8)	(8)	(8)
TRACHEA	(8)	(8)	(8)
SPECIAL SENSES SYSTEM			
No Tissues/Organs Examined			
URINARY SYSTEM			
KIDNEY, LEFT	(8)	(8)	(8)
No Systemic Lesions			

---

**Study Number:** C11049-02  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA05: Incidence Rates of Neoplastic Lesions with Systemic Lesions Abridged**  
**Test Compound:** Trimethylsilyldiazomethane  
**CAS Number:** 18107-18-1

**Date Report Requested:** 10/22/2020  
**Time Report Requested:** 09:13:35  
**Lab:** Battelle

---

**Tumor Summary Data for Male 1 Day Exposure**

	<b>Treatment Groups (ppm)</b>		
	<b>0</b>	<b>10</b>	<b>25 ppm Hexanes</b>
<b>Total Animals with Primary Neoplasms</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Primary Neoplasms</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Animals with Benign Neoplasms</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Benign Neoplasms</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Animals with Malignant Neoplasms</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Malignant Neoplasms</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Animals with Metastatic Neoplasms</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Metastatic Neoplasms</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Animals with Malignant Neoplasms Uncertain Primary Site</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Study Number:** C11049-02  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA05: Incidence Rates of Neoplastic Lesions with Systemic Lesions Abridged**  
**Test Compound:** Trimethylsilyldiazomethane  
**CAS Number:** 18107-18-1

**Date Report Requested:** 10/22/2020  
**Time Report Requested:** 09:13:35  
**Lab:** Battelle

**Male: 1 Day Recovery**

	Treatment Groups (ppm)		
	0	10	25 ppm Hexanes
<b>Disposition Summary</b>			
<b>Animals Initially In Study</b>	8	8	8
<b>Scheduled Sacrifice</b>			
<b>Early Deaths</b>			
<b>Found Dead</b>		5	
<b>Survivors</b>			
<b>Scheduled sacrifice, terminal (SD 9)</b>	8	3	8
<b>Animals Examined Microscopically</b>	8	8	8
<b>ALIMENTARY SYSTEM</b>			
LIVER	(8)	(8)	(8)
PHARYNX	(8)	(8)	(8)
<b>CARDIOVASCULAR SYSTEM</b>			
AORTA	(8)	(8)	(8)
HEART	(8)	(8)	(8)
<b>ENDOCRINE SYSTEM</b>			
No Tissues/Organs Examined			
<b>GENERAL BODY SYSTEM</b>			
No Tissues/Organs Examined			
<b>GENITAL SYSTEM</b>			
No Tissues/Organs Examined			
<b>HEMATOLYMPHOID SYSTEM</b>			
THYMUS	(8)	(7)	(8)
<b>INTEGUMENTARY SYSTEM</b>			
No Tissues/Organs Examined			
<b>MUSCULOSKELETAL SYSTEM</b>			
No Tissues/Organs Examined			

**Study Number:** C11049-02  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA05: Incidence Rates of Neoplastic Lesions with Systemic Lesions Abridged**  
**Test Compound:** Trimethylsilyldiazomethane  
**CAS Number:** 18107-18-1

**Date Report Requested:** 10/22/2020  
**Time Report Requested:** 09:13:35  
**Lab:** Battelle

---

**Male: 1 Day Recovery**

---

	Treatment Groups (ppm)		
	0	10	25 ppm Hexanes
NERVOUS SYSTEM			
BRAIN	(8)	(8)	(8)
NERVE, SCIATIC	(8)	(8)	(8)
TRIGEMINAL GANGLION	(8)	(8)	(8)
RESPIRATORY SYSTEM			
LARYNX	(8)	(8)	(8)
LUNG	(8)	(8)	(8)
NOSE	(8)	(8)	(8)
TRACHEA	(8)	(8)	(8)
SPECIAL SENSES SYSTEM			
No Tissues/Organs Examined			
URINARY SYSTEM			
KIDNEY, LEFT	(8)	(8)	(8)
No Systemic Lesions			

---

**Study Number:** C11049-02  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA05: Incidence Rates of Neoplastic Lesions with Systemic Lesions Abridged**  
**Test Compound:** Trimethylsilyldiazomethane  
**CAS Number:** 18107-18-1

**Date Report Requested:** 10/22/2020  
**Time Report Requested:** 09:13:35  
**Lab:** Battelle

---

Tumor Summary Data for Male 1 Day Recovery	Treatment Groups (ppm)		
	0	10	25 ppm Hexanes
Total Animals with Primary Neoplasms	0	0	0
Total Primary Neoplasms	0	0	0
Total Animals with Benign Neoplasms	0	0	0
Total Benign Neoplasms	0	0	0
Total Animals with Malignant Neoplasms	0	0	0
Total Malignant Neoplasms	0	0	0
Total Animals with Metastatic Neoplasms	0	0	0
Total Metastatic Neoplasms	0	0	0
Total Animals with Malignant Neoplasms Uncertain Primary Site	0	0	0

Study Number: C11049-02  
 Test Type: TOX  
 Route: Nose-Only Inhalation  
 Species/Strain: Mouse/B6C3F1/N

PA05: Incidence Rates of Neoplastic Lesions with Systemic Lesions Abridged  
 Test Compound: Trimethylsilyldiazomethane  
 CAS Number: 18107-18-1

Date Report Requested: 10/22/2020  
 Time Report Requested: 09:13:35  
 Lab: Battelle

Male: 5 Day Exposure

	Treatment Groups (ppm)					
	0	0.3	1	3	10	25 ppm Hexanes
<b>Disposition Summary</b>						
Animals Initially In Study	8	8	8	8	8	8
Scheduled Sacrifice						
Early Deaths						
Euthanized, moribund					2	
Found Dead					6	
Survivors						
Scheduled sacrifice, terminal (SD 5)	8	8	8	8		8
Animals Examined Microscopically	8	8	8	8	8	8
ALIMENTARY SYSTEM						
LIVER	(8)	(0)	(0)	(0)	(8)	(8)
PHARYNX	(8)	(0)	(0)	(0)	(8)	(8)
CARDIOVASCULAR SYSTEM						
AORTA	(8)	(0)	(0)	(0)	(8)	(8)
HEART	(8)	(0)	(0)	(0)	(8)	(8)
ENDOCRINE SYSTEM						
No Tissues/Organs Examined						
GENERAL BODY SYSTEM						
No Tissues/Organs Examined						
GENITAL SYSTEM						
No Tissues/Organs Examined						
HEMATOLYMPHOID SYSTEM						
No Tissues/Organs Examined						
INTEGUMENTARY SYSTEM						
No Tissues/Organs Examined						

**Study Number:** C11049-02  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA05: Incidence Rates of Neoplastic Lesions with Systemic Lesions Abridged**  
**Test Compound:** Trimethylsilyldiazomethane  
**CAS Number:** 18107-18-1

**Date Report Requested:** 10/22/2020  
**Time Report Requested:** 09:13:35  
**Lab:** Battelle

---

**Male: 5 Day Exposure**

---

	<b>Treatment Groups (ppm)</b>					
	<b>0</b>	<b>0.3</b>	<b>1</b>	<b>3</b>	<b>10</b>	<b>25 ppm Hexanes</b>
MUSCULOSKELETAL SYSTEM						
No Tissues/Organs Examined						
NERVOUS SYSTEM						
BRAIN	(8)	(0)	(0)	(0)	(8)	(8)
NERVE, SCIATIC	(8)	(0)	(0)	(0)	(8)	(8)
TRIGEMINAL GANGLION	(8)	(0)	(0)	(0)	(8)	(8)
RESPIRATORY SYSTEM						
LARYNX	(8)	(0)	(0)	(8)	(7)	(8)
LUNG	(8)	(8)	(8)	(8)	(8)	(8)
NOSE	(8)	(0)	(0)	(0)	(8)	(8)
TRACHEA	(8)	(0)	(0)	(0)	(8)	(8)
SPECIAL SENSES SYSTEM						
No Tissues/Organs Examined						
URINARY SYSTEM						
KIDNEY, LEFT	(8)	(0)	(0)	(0)	(8)	(8)
No Systemic Lesions						

**Study Number:** C11049-02  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA05: Incidence Rates of Neoplastic Lesions with Systemic Lesions Abridged**  
**Test Compound:** Trimethylsilyldiazomethane  
**CAS Number:** 18107-18-1

**Date Report Requested:** 10/22/2020  
**Time Report Requested:** 09:13:35  
**Lab:** Battelle

Tumor Summary Data for Male 5 Day Exposure	Treatment Groups (ppm)					
	0	0.3	1	3	10	25 ppm Hexanes
Total Animals with Primary Neoplasms	0	0	0	0	0	0
Total Primary Neoplasms	0	0	0	0	0	0
Total Animals with Benign Neoplasms	0	0	0	0	0	0
Total Benign Neoplasms	0	0	0	0	0	0
Total Animals with Malignant Neoplasms	0	0	0	0	0	0
Total Malignant Neoplasms	0	0	0	0	0	0
Total Animals with Metastatic Neoplasms	0	0	0	0	0	0
Total Metastatic Neoplasms	0	0	0	0	0	0
Total Animals with Malignant Neoplasms Uncertain Primary Site	0	0	0	0	0	0

Study Number: C11049-02  
 Test Type: TOX  
 Route: Nose-Only Inhalation  
 Species/Strain: Mouse/B6C3F1/N

PA05: Incidence Rates of Neoplastic Lesions with Systemic Lesions Abridged  
 Test Compound: Trimethylsilyldiazomethane  
 CAS Number: 18107-18-1

Date Report Requested: 10/22/2020  
 Time Report Requested: 09:13:35  
 Lab: Battelle

Male: 5 Day Recovery

	Treatment Groups (ppm)					
	0	0.3	1	3	10	25 ppm Hexanes
<b>Disposition Summary</b>						
Animals Initially In Study	8	8	8	8	8	8
Scheduled Sacrifice						
Early Deaths						
Euthanized, moribund					1	
Found Dead					7	
Survivors						
Scheduled sacrifice, terminal (SD 9)	8	8	8	8		8
Animals Examined Microscopically	8	8	8	8	8	8
ALIMENTARY SYSTEM						
LIVER	(8)	(0)	(0)	(0)	(8)	(8)
PHARYNX	(8)	(0)	(0)	(0)	(8)	(8)
CARDIOVASCULAR SYSTEM						
AORTA	(8)	(0)	(0)	(0)	(8)	(8)
HEART	(8)	(0)	(0)	(0)	(8)	(8)
ENDOCRINE SYSTEM						
No Tissues/Organs Examined						
GENERAL BODY SYSTEM						
No Tissues/Organs Examined						
GENITAL SYSTEM						
No Tissues/Organs Examined						
HEMATOLYMPHOID SYSTEM						
No Tissues/Organs Examined						
INTEGUMENTARY SYSTEM						
No Tissues/Organs Examined						

**Study Number:** C11049-02  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA05: Incidence Rates of Neoplastic Lesions with Systemic Lesions Abridged**  
**Test Compound:** Trimethylsilyldiazomethane  
**CAS Number:** 18107-18-1

**Date Report Requested:** 10/22/2020  
**Time Report Requested:** 09:13:35  
**Lab:** Battelle

---

**Male: 5 Day Recovery**

---

**Treatment Groups (ppm)**

---

	<b>0</b>	<b>0.3</b>	<b>1</b>	<b>3</b>	<b>10</b>	<b>25 ppm Hexanes</b>
MUSCULOSKELETAL SYSTEM						
No Tissues/Organs Examined						
NERVOUS SYSTEM						
BRAIN	(8)	(0)	(0)	(0)	(8)	(8)
NERVE, SCIATIC	(8)	(0)	(0)	(0)	(8)	(8)
TRIGEMINAL GANGLION	(8)	(0)	(0)	(0)	(8)	(8)
RESPIRATORY SYSTEM						
LARYNX	(8)	(0)	(8)	(8)	(8)	(8)
LUNG	(8)	(8)	(8)	(8)	(8)	(8)
NOSE	(8)	(0)	(0)	(0)	(8)	(8)
TRACHEA	(8)	(0)	(0)	(0)	(8)	(8)
SPECIAL SENSES SYSTEM						
No Tissues/Organs Examined						
URINARY SYSTEM						
KIDNEY, LEFT	(8)	(0)	(0)	(0)	(8)	(8)
No Systemic Lesions						

---

**Study Number:** C11049-02  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA05: Incidence Rates of Neoplastic Lesions with Systemic Lesions Abridged**  
**Test Compound:** Trimethylsilyldiazomethane  
**CAS Number:** 18107-18-1

**Date Report Requested:** 10/22/2020  
**Time Report Requested:** 09:13:35  
**Lab:** Battelle

Tumor Summary Data for Male 5 Day Recovery	Treatment Groups (ppm)					
	0	0.3	1	3	10	25 ppm Hexanes
Total Animals with Primary Neoplasms	0	0	0	0	0	0
Total Primary Neoplasms	0	0	0	0	0	0
Total Animals with Benign Neoplasms	0	0	0	0	0	0
Total Benign Neoplasms	0	0	0	0	0	0
Total Animals with Malignant Neoplasms	0	0	0	0	0	0
Total Malignant Neoplasms	0	0	0	0	0	0
Total Animals with Metastatic Neoplasms	0	0	0	0	0	0
Total Metastatic Neoplasms	0	0	0	0	0	0
Total Animals with Malignant Neoplasms Uncertain Primary Site	0	0	0	0	0	0

**Study Number:** C11049-02  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA05: Incidence Rates of Neoplastic Lesions with Systemic Lesions Abridged**  
**Test Compound:** Trimethylsilyldiazomethane  
**CAS Number:** 18107-18-1

**Date Report Requested:** 10/22/2020  
**Time Report Requested:** 09:13:35  
**Lab:** Battelle

#### LEGEND

---

Number of animals examined given for each tissue. If none of the animals examined have the specific lesion then there is a blank for that dose group for that specific lesion.

Number of animals with observation reported with percent incidence in parentheses

Systemic lesions are included once in the total lesion count regardless of how many times they occurred in a single animal

Phase day range of terminal sacrifice shown in parentheses in disposition summary

SD – Study Day

The 1 Day Exposure animals were exposed for one day and then sacrificed on study day 1 (first day of exposure was study day 0); the 1 Day Recovery animals were exposed for 1 day and then sacrificed on study day 9; the 5 Day Exposure animals were exposed for five days and then sacrificed on study day 5; the 5 Day Recovery animals were exposed for five days and then sacrificed on study day 9.

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