

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

PA18: Incidence Rates of Non-Neoplastic Lesions by Anatomic Site with Average Severity Grades

Test Compound: Trimethylsilyldiazomethane
CAS Number: 18107-18-1

Date Report Requested: 10/22/2020
Time Report Requested: 09:16:37
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

PA18: Incidence Rates of Non-Neoplastic Lesions by Anatomic Site with Average Severity Grades
Test Compound: Trimethylsilyldiazomethane
CAS Number: 18107-18-1

Date Report Requested: 10/22/2020
Time Report Requested: 09:16:37
Lab: Battelle

Male: 1 Day Exposure

	Treatment Groups (ppm)		
	0	10	25 ppm Hexanes
Disposition Summary			
Animals Initially In Study	8	8	8
Early Deaths			
Survivors			
Scheduled sacrifice, terminal (SD 1)	8	8	8
Animals Examined Microscopically	8	8	8
ALIMENTARY SYSTEM			
LIVER	(8)	(8)	(8)
PHARYNX	(8)	(8)	(8)
CARDIOVASCULAR SYSTEM			
AORTA	(8)	(8)	(8)
HEART	(8)	(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			
MUSCULOSKELETAL SYSTEM			
No Tissues/Organs Examined			

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

PA18: Incidence Rates of Non-Neoplastic Lesions by Anatomic Site with Average Severity Grades
Test Compound: Trimethylsilyldiazomethane
CAS Number: 18107-18-1

Date Report Requested: 10/22/2020
Time Report Requested: 09:16:37
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)
EPIGLOTTIS; METAPLASIA; SQUAMOUS	1 [1.0]	1 [1.0]	
LUNG	(8)	(8)	(8)
INFILTRATION, CELLULAR; HISTIOCYTE		1 [1.0]	
NOSE	(8)	(8)	(8)
TRACHEA	(8)	(8)	(8)
SPECIAL SENSES SYSTEM			
No Tissues/Organs Examined			
URINARY SYSTEM			
KIDNEY, LEFT	(8)	(8)	(8)
NEPHROPATHY		1 [1.0]	

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

PA18: Incidence Rates of Non-Neoplastic Lesions by Anatomic Site with Average Severity Grades
Test Compound: Trimethylsilyldiazomethane
CAS Number: 18107-18-1

Date Report Requested: 10/22/2020
Time Report Requested: 09:16:37
Lab: Battelle

Male: 1 Day Recovery

	Treatment Groups (ppm)		
	0	10	25 ppm Hexanes
Disposition Summary			
Animals Initially In Study	8	8	8
Early Deaths			
Found Dead		5	
Survivors			
Scheduled sacrifice, terminal (SD 9)	8	3	8
Animals Examined Microscopically	8	8	8
ALIMENTARY SYSTEM			
LIVER	(8)	(8)	(8)
HEMATOPOIETIC CELL PROLIFERATION	1 [1.0]		1 [1.0]
PHARYNX	(8)	(8)	(8)
CARDIOVASCULAR SYSTEM			
AORTA	(8)	(8)	(8)
HEART	(8)	(8)	(8)
ENDOCRINE SYSTEM			
No Tissues/Organs Examined			
GENERAL BODY SYSTEM			
No Tissues/Organs Examined			
GENITAL SYSTEM			
No Tissues/Organs Examined			
HEMATOLYMPHOID SYSTEM			
THYMUS	(8)	(7)	(8)
ATROPHY		5 [3.0]	
INTEGUMENTARY SYSTEM			
No Tissues/Organs Examined			
MUSCULOSKELETAL SYSTEM			
No Tissues/Organs Examined			

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

PA18: Incidence Rates of Non-Neoplastic Lesions by Anatomic Site with Average Severity Grades
Test Compound: Trimethylsilyldiazomethane
CAS Number: 18107-18-1

Date Report Requested: 10/22/2020
Time Report Requested: 09:16:37
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)
SQUAMOUS EPITHELIUM; HYPERPLASIA		5 [1.2]	
SQUAMOUS EPITHELIUM; INFLAMMATION; ACUTE		4 [1.0]	
EPIGLOTTIS; METAPLASIA; SQUAMOUS		1 [1.0]	
SQUAMOUS EPITHELIUM; ULCER		1 [1.0]	
LUNG	(8)	(8)	(8)
EDEMA		5 [2.4]	
INTERSTITIUM; FIBROSIS		3 [2.0]	
HEMORRHAGE; ACUTE		5 [1.0]	
ALVEOLAR EPITHELIUM; HYPERPLASIA		4 [2.3]	
BRONCHIOLE; EPITHELIUM; HYPERPLASIA		3 [1.0]	
INFILTRATION, CELLULAR; HISTIOCYTE	2 [1.0]	3 [1.3]	
INFLAMMATION; ACUTE		5 [1.2]	
INFLAMMATION; CHRONIC-ACTIVE		3 [1.7]	
NECROSIS		5 [2.0]	
NOSE	(8)	(8)	(8)
TRACHEA	(8)	(8)	(8)
SPECIAL SENSES SYSTEM			
No Tissues/Organs Examined			
URINARY SYSTEM			
KIDNEY, LEFT	(8)	(8)	(8)
NEPHROPATHY			1 [1.0]

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

PA18: Incidence Rates of Non-Neoplastic Lesions by Anatomic Site with Average Severity Grades
 Test Compound: Trimethylsilyldiazomethane
 CAS Number: 18107-18-1

Date Report Requested: 10/22/2020
 Time Report Requested: 09:16:37
 Lab: Battelle

Male: 5 Day Exposure

	Treatment Groups (ppm)					
	0	0.3	1	3	10	25 ppm Hexanes
Disposition Summary						
Animals Initially In Study	8	8	8	8	8	8
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						
MUSCULOSKELETAL SYSTEM						
No Tissues/Organs Examined						

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

PA18: Incidence Rates of Non-Neoplastic Lesions by Anatomic Site with Average Severity Grades
 Test Compound: Trimethylsilyldiazomethane
 CAS Number: 18107-18-1

Date Report Requested: 10/22/2020
 Time Report Requested: 09:16:37
 Lab: Battelle

Male: 5 Day Exposure

	Treatment Groups (ppm)					
	0	0.3	1	3	10	25 ppm Hexanes
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)
SQUAMOUS EPITHELIUM; HYPERPLASIA INFLAMMATION; ACUTE					2 [1.0] 1 [1.0]	
EPIGLOTTIS; METAPLASIA; SQUAMOUS SQUAMOUS EPITHELIUM; ULCER	1 [1.0]				3 [1.0]	2 [1.0]
LUNG	(8)	(8)	(8)	(8)	(8)	(8)
EDEMA			7 [1.0]	8 [1.4]	8 [2.0]	
HEMORRHAGE; ACUTE				8 [1.0]	8 [1.1]	
ALVEOLAR EPITHELIUM; HYPERPLASIA BRONCHIOLE; EPITHELIUM; HYPERPLASIA INFILTRATION, CELLULAR; HISTIOCYTE INFLAMMATION; ACUTE			7 [1.0]	8 [1.1] 8 [1.0]		
INFLAMMATION; CHRONIC-ACTIVE NECROSIS				8 [1.9] 8 [2.3]	8 [1.8] 8 [2.8]	
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)

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

PA18: Incidence Rates of Non-Neoplastic Lesions by Anatomic Site with Average Severity Grades
 Test Compound: Trimethylsilyldiazomethane
 CAS Number: 18107-18-1

Date Report Requested: 10/22/2020
 Time Report Requested: 09:16:37
 Lab: Battelle

Male: 5 Day Recovery

	Treatment Groups (ppm)					
	0	0.3	1	3	10	25 ppm Hexanes
Disposition Summary						
Animals Initially In Study	8	8	8	8	8	8
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						
MUSCULOSKELETAL SYSTEM						
No Tissues/Organs Examined						

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

PA18: Incidence Rates of Non-Neoplastic Lesions by Anatomic Site with Average Severity Grades
 Test Compound: Trimethylsilyldiazomethane
 CAS Number: 18107-18-1

Date Report Requested: 10/22/2020
 Time Report Requested: 09:16:37
 Lab: Battelle

Male: 5 Day Recovery

	Treatment Groups (ppm)					
	0	0.3	1	3	10	25 ppm Hexanes
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)
SQUAMOUS EPITHELIUM; HYPERPLASIA				3 [1.0]	1 [1.0]	
INFLAMMATION; ACUTE				5 [1.0]		
EPIGLOTTIS; METAPLASIA; SQUAMOUS				1 [1.0]		2 [1.0]
SQUAMOUS EPITHELIUM; ULCER				4 [1.0]	4 [1.0]	
LUNG	(8)	(8)	(8)	(8)	(8)	(8)
EDEMA				6 [1.7]	8 [2.3]	
INTERSTITIUM; FIBROSIS			8 [1.0]	8 [1.6]		
HEMORRHAGE; ACUTE			1 [1.0]	7 [1.0]	7 [1.0]	
ALVEOLAR EPITHELIUM; HYPERPLASIA			8 [1.8]	8 [3.4]		
BRONCHIOLE; EPITHELIUM; HYPERPLASIA			8 [1.0]	8 [3.0]		
INFILTRATION, CELLULAR; HISTIOCYTE						1 [1.0]
INFLAMMATION; ACUTE					8 [1.9]	
INFLAMMATION; CHRONIC-ACTIVE			8 [1.9]	8 [2.9]		
NECROSIS				8 [1.5]	8 [2.4]	
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)
NEPHROPATHY					1 [1.0]	1 [1.0]

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

PA18: Incidence Rates of Non-Neoplastic Lesions by Anatomic Site with Average Severity Grades
Test Compound: Trimethylsilyldiazomethane
CAS Number: 18107-18-1

Date Report Requested: 10/22/2020
Time Report Requested: 09:16:37
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. Mean severity grade denoted by 1 - minimal, 2 - mild, 3 - moderate, 4 - marked.

Number of animals with observation reported with mean severity grade in square brackets

SD – Study Day

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

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 ****