

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

**I04: Mean Body Weight Summary**  
**Test Compound:** Trimethylsilyldiazomethane  
**CAS Number:** 18107-18-1

**Date Report Requested:** 10/22/2020  
**Time Report Requested:** 07:52:48  
**Lab:** Battelle

**Study Number:** C11049-02  
**Study Gender:** Male  
**PWG Approval Date:** See web page for date of PWG Approval  
**Version:** v1.0.8

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**Males: 1 Day Exposure**

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Phase Day	Treatment Groups (ppm)								
	0		10			25 ppm Hexanes			
	Wt (g)	N	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N	
SD0	28.1 ± 0.6	8	27.5 ± 0.9	-2.2	8	28.0 ± 0.5	-0.4	8	
SD1	27.9 ± 0.5	8	27.2 ± 0.5	-2.7	8	27.7 ± 0.8	-0.7	8	

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Males: 1 Day Recovery

Phase Day	Treatment Groups (ppm)								
	0		10			25 ppm Hexanes			
	Wt (g)	N	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N	
SD0	28.5 ± 0.4	8	28.1 ± 0.3	-1.6	8	28.2 ± 0.7	-1.1	8	
SD1	27.7 ± 0.5	8	27.3 ± 0.2	-1.4	8	27.9 ± 0.6	0.5	8	
SD2	28.4 ± 0.3 **	8	25.0 ± 0.2 **	-12.0	8	28.3 ± 0.6	-0.3	8	
SD3	28.6 ± 0.3 **	8	23.2 ± 0.2 **	-18.7	8	28.5 ± 0.6	-0.2	8	
SD4	28.7 ± 0.3 **	8	23.4 ± 0.7 **	-18.5	6	28.7 ± 0.7	-0.0	8	
SD5	28.8 ± 0.3 **	8	22.0 ± 0.6 **	-23.5	4	28.7 ± 0.7	-0.3	8	
SD6	28.9 ± 0.3 **	8	21.9 ± 0.8 **	-24.5	4	28.7 ± 0.6	-0.8	8	
SD7	29.0 ± 0.2 *	8	22.3 ± 1.0 **	-23.3	3	28.7 ± 0.7	-1.0	8	
SD8	29.2 ± 0.2 *	8	21.7 ± 1.1 **	-25.7	3	29.0 ± 0.8	-0.6	8	
SD9	29.3 ± 0.3 *	8	21.4 ± 1.5 **	-26.8	3	29.1 ± 0.8	-0.6	8	

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**Males: 5 Day Exposure**

**Treatment Groups (ppm)**

Phase Day	0		0.3			1			3		
	Wt (g)	N	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N
SD0	28.8 ± 0.4	8	28.0 ± 0.2	-2.6	8	28.6 ± 0.2	-0.7	8	28.6 ± 0.4	-0.7	8
SD1	28.6 ± 0.6	8	27.9 ± 0.2	-2.4	8	28.5 ± 0.2	-0.4	8	28.4 ± 0.4	-0.6	8
SD2	28.6 ± 0.5 **	8	27.5 ± 0.3	-3.8	8	28.4 ± 0.2	-0.7	8	28.2 ± 0.4	-1.6	8
SD3	28.5 ± 0.6 **	8	27.4 ± 0.3	-3.8	8	28.6 ± 0.2	0.4	8	28.0 ± 0.3	-1.6	8
SD4	28.8 ± 0.5 *	8	28.1 ± 0.1	-2.4	8	28.7 ± 0.2	-0.2	8	26.9 ± 0.4 **	-6.4	8
SD5	28.0 ± 0.6 **	8	27.6 ± 0.1	-1.3	8	28.3 ± 0.2	1.1	8	25.1 ± 0.5 **	-10.2	8

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**Males: 5 Day Exposure**

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Phase Day	Treatment Groups (ppm)					
	10			25 ppm Hexanes		
	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N
SD0	28.8 ± 0.6	-0.1	8	28.5 ± 0.6	-1.0	8
SD1	28.2 ± 0.5	-1.4	8	28.6 ± 0.6	0.3	8
SD2	25.7 ± 0.5 **	-10.4	8	28.6 ± 0.5	-0.0	8
SD3	23.8 ± 0.4 **	-16.5	5	28.4 ± 0.6	-0.2	8
SD4	NR			29.0 ± 0.5	0.7	8
SD5	NR			27.9 ± 0.4	-0.2	8

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Males: 5 Day Recovery

Treatment Groups (ppm)

Phase Day	0			0.3			1			3		
	Wt (g)	N		Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N
SD0	28.4 ± 0.5	8		28.8 ± 0.3	1.5	8	28.8 ± 0.4	1.6	8	29.8 ± 0.5	5.0	8
SD1	28.4 ± 0.5	8		28.7 ± 0.3	1.4	8	28.7 ± 0.4	1.3	8	27.9 ± 0.4	-1.6	8
SD2	28.3 ± 0.4 **	8		28.5 ± 0.3	0.6	8	28.4 ± 0.4	0.4	8	28.2 ± 0.3	-0.4	8
SD3	28.1 ± 0.5 **	8		28.6 ± 0.2	1.6	8	28.7 ± 0.4	2.1	8	27.9 ± 0.4	-0.8	8
SD4	28.5 ± 0.4	8		28.7 ± 0.3	0.7	8	28.7 ± 0.4	0.7	8	27.2 ± 0.4	-4.5	8
SD5	27.8 ± 0.5 *	8		28.3 ± 0.3	1.9	8	28.3 ± 0.4	2.0	8	25.0 ± 0.3 **	-10.0	8
SD6	28.2 ± 0.4 **	8		29.0 ± 0.3	2.7	8	28.3 ± 0.4	0.3	8	23.7 ± 0.3 **	-16.1	8
SD7	28.3 ± 0.5 **	8		29.3 ± 0.4	3.4	8	28.2 ± 0.4	-0.4	8	22.5 ± 0.2 **	-20.8	8
SD8	28.5 ± 0.5 **	8		29.8 ± 0.4	4.5	8	28.2 ± 0.4	-1.2	8	22.4 ± 0.3 **	-21.3	8
SD9	28.6 ± 0.5 **	8		29.9 ± 0.4	4.4	8	28.0 ± 0.3	-2.3	8	22.4 ± 0.4 **	-21.7	8

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	10			25 ppm Hexanes		
	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N
SD0	28.1 ± 0.6	-1.0	8	29.1 ± 0.6	2.5	8
SD1	27.7 ± 0.5	-2.3	8	28.9 ± 0.6	1.9	8
SD2	24.9 ± 0.5 **	-11.9	8	29.0 ± 0.6	2.5	8
SD3	23.0 ± 0.4 **	-18.4	6	29.1 ± 0.5	3.3	8
SD4	NR			29.4 ± 0.4	3.3	8
SD5	NR			29.2 ± 0.4	5.1	8
SD6	NR			29.4 ± 0.5	4.0	8
SD7	NR			29.5 ± 0.5	4.1	8
SD8	NR			29.6 ± 0.5	3.9	8
SD9	NR			29.9 ± 0.5	4.5	8

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#### LEGEND

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Data are displayed as mean  $\pm$  SEM

SD – Study Day

Statistical analysis of weight data performed by Jonckheere (trend) and Williams or Dunnett (pairwise) tests.

Statistical analysis for the negative control group compared to the vehicle control group was performed using the t-Test.

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

\* Statistically significant at  $P \leq 0.05$

\*\* Statistically significant at  $P \leq 0.01$

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.

NR not recorded

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