

**Study Number:** C11049-01  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Rat/Harlan Sprague Dawley

**I04G: Mean Body Weight Gain**  
**Test Compound:** Trimethylsilyldiazomethane  
**CAS Number:** 18107-18-1

**Date Report Requested:** 10/22/2020  
**Time Report Requested:** 07:49:06  
**Lab:** Battelle with CRL

**Study Number:** C11049-01  
**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	Days	Treatment Groups (ppm)					
		0		10		25 ppm Hexanes	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
SD	0 - 1	-7.3 ± 1.1	8	-8.8 ± 1.1	8	-2.8 ± 4.4	8

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**Males: 1 Day Recovery**

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Phase	Days	Treatment Groups (ppm)					
		0		10		25 ppm Hexanes	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
SD	0 - 1	-0.9 ± 0.4	8	-5.0 ± 2.5	8	0.8 ± 1.2	8
	0 - 5	16.7 ± 0.9	8	14.2 ± 1.5	8	18.6 ± 1.2	8
	0 - 9	35.2 ± 1.9	8	35.9 ± 1.4	8	36.5 ± 1.5	8

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Males: 5 Day Exposure

Phase	Days	Treatment Groups (ppm)											
		0		0.3		1		3		10		25 ppm Hexanes	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
SD	0 - 1	-1.5 ± 0.9 *	8	-1.4 ± 1.0	8	-2.6 ± 1.3	8	-2.5 ± 1.0	8	-4.7 ± 0.9	8	-2.5 ± 0.7	8
	0 - 5	8.1 ± 1.2 **	8	7.8 ± 1.0	8	6.9 ± 1.1	8	4.6 ± 1.6	8	-33.2 ± 2.9 **	8	6.4 ± 1.8	8

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Lab: Battelle with CRL

Males: 5 Day Recovery

Treatment Groups (ppm)

Phase	Days	0		0.3		1		3		10		25 ppm Hexanes	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
SD	0 - 1	-1.3 ± 0.7	8	-2.0 ± 0.5	8	-2.6 ± 0.4	8	-1.1 ± 0.9	8	-3.7 ± 0.7 *	8	-2.7 ± 0.7	8
	0 - 5	7.5 ± 1.2 **	8	7.8 ± 1.1	8	5.3 ± 2.9	8	5.6 ± 1.5	8	-32.1 ± 1.1 **	8	6.6 ± 1.5	8
	0 - 9	23.0 ± 1.7 **	8	27.1 ± 1.6	8	23.0 ± 1.0	8	22.9 ± 2.5	8	-6.3 ± 1.5 **	8	20.7 ± 3.2	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.

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