

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

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

Date Report Requested: 10/22/2020
Time Report Requested: 07:48:32
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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Lab: Battelle with CRL

Males: 1 Day Exposure

Phase Day	Treatment Groups (ppm)							
	0		10			25 ppm Hexanes		
	Wt (g)	N	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N
SD0	268.7 ± 2.6	8	267.4 ± 3.3	-0.5	8	263.7 ± 6.5	-1.9	8
SD1	261.4 ± 2.4	8	258.6 ± 2.6	-1.1	8	260.9 ± 3.1	-0.2	8

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Lab: Battelle with CRL

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	267.3 ± 2.7	8	263.9 ± 3.6	-1.3	8	271.3 ± 2.5	1.5	8	
SD1	266.4 ± 2.4	8	258.9 ± 2.9	-2.8	8	272.1 ± 2.1	2.1	8	
SD2	272.4 ± 2.7	8	265.7 ± 3.4	-2.4	8	275.5 ± 2.4	1.1	8	
SD3	277.2 ± 3.0	8	271.3 ± 3.6	-2.1	8	282.1 ± 2.9	1.8	8	
SD4	281.3 ± 3.5	8	276.1 ± 3.5	-1.9	8	284.8 ± 5.1	1.2	8	
SD5	284.0 ± 3.2	8	278.1 ± 3.7	-2.1	8	289.8 ± 3.1	2.1	8	
SD6	285.3 ± 4.6	8	283.5 ± 3.7	-0.6	8	293.1 ± 3.0	2.7	8	
SD7	290.0 ± 3.7	8	285.3 ± 3.6	-1.6	8	295.2 ± 3.2	1.8	8	
SD8	288.4 ± 4.9	8	285.6 ± 3.9	-1.0	8	292.3 ± 3.2	1.4	8	
SD9	302.5 ± 4.2	8	299.8 ± 4.0	-0.9	8	307.8 ± 3.3	1.7	8	

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Lab: Battelle with CRL

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	272.4 ± 3.8	8	279.7 ± 2.9	2.7	8	281.6 ± 1.5	3.4	8	275.8 ± 2.1	1.3	8
SD1	270.9 ± 4.0	8	278.3 ± 2.2	2.7	8	278.9 ± 1.9	3.0	8	273.3 ± 2.0	0.9	8
SD2	274.4 ± 3.9	8	281.4 ± 3.0	2.6	8	282.2 ± 2.4	2.9	8	274.9 ± 2.8	0.2	8
SD3	274.7 ± 4.6	8	283.0 ± 2.9	3.0	8	283.2 ± 2.6	3.1	8	276.7 ± 3.0	0.7	8
SD4	278.2 ± 4.6 *	8	285.9 ± 3.0	2.7	8	286.4 ± 1.8	2.9	8	279.0 ± 2.9	0.3	8
SD5	280.5 ± 4.1 **	8	287.4 ± 3.1	2.5	8	288.4 ± 2.1	2.8	8	280.4 ± 2.7	-0.0	8

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Lab: Battelle with CRL

Males: 5 Day Exposure

Phase Day	Treatment Groups (ppm)					
	10			25 ppm Hexanes		
	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N
SD0	280.8 ± 2.6	3.1	8	276.9 ± 2.9	1.7	8
SD1	276.0 ± 2.9	1.9	8	274.4 ± 3.3	1.3	8
SD2	276.8 ± 3.3	0.9	8	274.5 ± 3.6	0.1	8
SD3	273.4 ± 3.8	-0.5	8	279.2 ± 3.8	1.6	8
SD4	264.3 ± 3.7 *	-5.0	8	281.3 ± 3.2	1.1	8
SD5	247.5 ± 4.0 **	-11.7	8	283.3 ± 4.1	1.0	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	280.2 ± 3.6	8		278.9 ± 2.7	-0.5	8	278.6 ± 2.4	-0.6	8	280.0 ± 2.0	-0.1	8
SD1	279.0 ± 3.7	8		277.0 ± 2.6	-0.7	8	276.0 ± 2.3	-1.1	8	279.0 ± 2.3	-0.0	8
SD2	281.8 ± 3.3	8		281.1 ± 2.5	-0.3	8	279.5 ± 2.8	-0.8	8	281.0 ± 3.0	-0.3	8
SD3	283.6 ± 3.3 **	8		283.1 ± 2.5	-0.2	8	280.0 ± 2.8	-1.3	8	283.0 ± 2.5	-0.2	8
SD4	287.0 ± 3.7 **	8		285.9 ± 2.4	-0.4	8	284.6 ± 3.1	-0.9	8	285.6 ± 3.1	-0.5	8
SD5	287.7 ± 3.5 **	8		286.7 ± 2.2	-0.3	8	283.9 ± 3.7	-1.3	8	285.6 ± 2.2	-0.7	8
SD6	286.3 ± 3.9 **	8		288.8 ± 2.9	0.9	8	286.8 ± 2.6	0.2	8	286.0 ± 3.5	-0.1	8
SD7	299.5 ± 3.6 **	8		297.2 ± 2.9	-0.7	8	296.1 ± 2.9	-1.1	8	296.4 ± 3.2	-1.0	8
SD8	301.0 ± 3.9 **	8		301.3 ± 2.8	0.1	8	297.3 ± 2.9	-1.2	8	297.3 ± 3.5	-1.2	8
SD9	303.2 ± 3.6 **	8		306.0 ± 2.9	0.9	8	301.7 ± 3.0	-0.5	8	303.0 ± 3.6	-0.1	8

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Males: 5 Day Recovery

Phase Day	Treatment Groups (ppm)					
	10			25 ppm Hexanes		
	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N
SD0	277.8 ± 1.8	-0.9	8	275.8 ± 2.7	-1.6	8
SD1	274.1 ± 1.8	-1.7	8	273.2 ± 2.7	-2.1	8
SD2	273.9 ± 2.1	-2.8	8	277.4 ± 2.6	-1.6	8
SD3	270.2 ± 2.1 **	-4.7	8	278.9 ± 2.5	-1.7	8
SD4	260.9 ± 2.6 **	-9.1	8	281.0 ± 2.4	-2.1	8
SD5	245.8 ± 2.5 **	-14.6	8	282.4 ± 2.7	-1.9	8
SD6	245.0 ± 2.1 **	-14.4	8	282.8 ± 2.9	-1.2	8
SD7	256.3 ± 2.5 **	-14.4	8	290.7 ± 2.8	-2.9	8
SD8	262.8 ± 2.1 **	-12.7	8	294.1 ± 2.8	-2.3	8
SD9	271.6 ± 1.8 **	-10.4	8	296.5 ± 3.1	-2.2	8

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LEGEND

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 ****