

Study Number: C11054B-01
Test Type: TOX
Route: Dosing in Water
Species/Strain: Rat/Harlan Sprague Dawley

I04: Mean Body Weight Summary (Chronic Animals)
Test Compound: Sulfolane
CAS Number: 126-33-0

Date Report Requested: 03/21/2023
Time Report Requested: 15:00:36
Lab: Battelle

Study Number:

C11054B-01

Study Sex:

Both

PWG Approval Date:

See web page for date of PWG Approval

Version:

v1.4.4

Stat Version:

S

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F1 Males: F1 Core Animals

Treatment Groups (mg/L)

Phase Day	0		30			100			300		
	Wt (g)	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N
SD0	454.3 ± 4.2	50 (27)	443.3 ± 5.1	97.6	50 (25)	441.0 ± 4.9	97.1	50 (26)	451.8 ± 5.5	99.4	50 (25)
SD28	488.1 ± 5.4	50 (27)	471.7 ± 5.5	96.6	50 (25)	472.3 ± 4.7	96.8	50 (26)	480.2 ± 6.1	98.4	50 (25)
SD56	514.6 ± 6.0	50 (27)	496.3 ± 5.8	96.4	50 (25)	497.0 ± 5.7	96.6	50 (26)	509.6 ± 6.3	99.0	50 (25)
SD84	526.1 ± 6.4	50 (27)	508.3 ± 6.1	96.6	50 (25)	511.6 ± 5.5	97.2	50 (26)	521.9 ± 6.8	99.2	50 (25)
SD112	544.8 ± 6.9	50 (27)	526.4 ± 7.0	96.6	49 (25)	527.9 ± 5.9	96.9	49 (26)	542.0 ± 7.0	99.5	50 (25)
SD140	565.8 ± 6.9	50 (27)	545.7 ± 7.1	96.4	49 (25)	548.6 ± 6.5	96.9	49 (26)	563.0 ± 7.6	99.5	50 (25)
SD168	587.4 ± 7.6	50 (27)	567.7 ± 8.1	96.6	49 (25)	571.8 ± 6.8	97.3	48 (26)	584.4 ± 8.3	99.5	50 (25)
SD196	605.6 ± 8.5 *	49 (26)	579.4 ± 8.5	95.7	49 (25)	586.6 ± 7.4	96.9	48 (26)	598.9 ± 8.3	98.9	50 (25)
SD224	612.1 ± 8.7	49 (26)	587.2 ± 8.7	95.9	49 (25)	597.8 ± 7.7	97.7	48 (26)	607.3 ± 8.8	99.2	50 (25)
SD252	625.7 ± 9.1 *	49 (26)	602.4 ± 9.0	96.3	48 (25)	613.0 ± 8.7	98.0	46 (26)	618.9 ± 9.1	98.9	49 (25)
SD280	638.6 ± 9.8 *	49 (26)	612.5 ± 9.4	95.9	48 (25)	629.2 ± 8.9	98.5	45 (26)	632.7 ± 9.6	99.1	49 (25)
SD308	646.4 ± 10.2 *	48 (26)	619.4 ± 10.2	95.8	48 (25)	638.8 ± 9.2	98.8	45 (26)	639.2 ± 10.6	98.9	49 (25)
SD336	655.9 ± 10.9 **	47 (26)	625.3 ± 11.1	95.3	48 (25)	647.5 ± 9.4	98.7	45 (26)	653.9 ± 10.5	99.7	48 (25)
SD364	657.1 ± 11.5 **	46 (26)	620.8 ± 12.1	94.5	47 (25)	650.3 ± 9.2	99.0	45 (26)	653.7 ± 11.8	99.5	48 (25)
SD392	654.4 ± 12.8 *	45 (26)	628.4 ± 13.7	96.0	43 (25)	646.3 ± 9.5	98.8	45 (26)	652.1 ± 10.5	99.7	45 (24)
SD420	647.9 ± 13.9 **	45 (26)	634.9 ± 13.7	98.0	41 (24)	643.7 ± 10.1	99.3	44 (26)	658.7 ± 9.9	101.7	42 (23)
SD448	654.0 ± 12.7 **	43 (25)	629.2 ± 17.1	96.2	38 (23)	645.1 ± 11.2	98.6	41 (24)	660.9 ± 10.0	101.1	39 (23)
SD476	651.5 ± 12.9 *	41 (25)	630.2 ± 13.0	96.7	34 (22)	641.2 ± 11.4	98.4	40 (24)	652.0 ± 12.2	100.1	39 (23)
SD504	643.3 ± 13.5	40 (25)	616.6 ± 16.2	95.9	32 (20)	634.6 ± 14.5	98.6	39 (24)	644.0 ± 13.9	100.1	37 (22)
SD532	639.6 ± 13.4 *	36 (24)	625.8 ± 15.0	97.8	27 (19)	633.4 ± 14.9	99.0	36 (23)	630.2 ± 18.2	98.5	35 (21)
SD560	610.6 ± 17.4 *	33 (23)	632.8 ± 10.3	103.6	22 (16)	606.1 ± 18.0	99.3	30 (23)	621.9 ± 16.8	101.9	31 (18)
SD588	608.5 ± 18.4 *	25 (19)	608.0 ± 15.2	99.9	20 (16)	602.9 ± 21.3	99.1	24 (19)	607.2 ± 26.8	99.8	26 (16)
SD616	595.4 ± 25.4	21 (16)	597.9 ± 13.8	100.4	18 (15)	599.4 ± 16.8	100.7	17 (14)	625.7 ± 24.3	105.1	20 (14)

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Lab: Battelle

F1 Males: F1 Core Animals

Phase Day	Treatment Groups (mg/L)		
	1000		
	Wt (g)	% of CNTL	N
SD0	438.8 ± 4.6	96.6	50 (26)
SD28	467.8 ± 5.4	95.9	50 (26)
SD56	494.4 ± 5.9	96.1	50 (26)
SD84	509.1 ± 6.2	96.8	50 (26)
SD112	526.5 ± 7.1	96.6	50 (26)
SD140	543.1 ± 7.7	96.0	50 (26)
SD168	562.1 ± 7.5	95.7	50 (26)
SD196	569.9 ± 7.6 *	94.1	50 (26)
SD224	580.7 ± 8.1	94.9	49 (26)
SD252	589.0 ± 8.7 *	94.1	49 (26)
SD280	598.8 ± 9.6 *	93.8	48 (26)
SD308	604.9 ± 9.8 *	93.6	47 (26)
SD336	609.8 ± 9.8 **	93.0	45 (26)
SD364	606.0 ± 11.0 **	92.2	43 (25)
SD392	606.0 ± 11.7 *	92.6	39 (25)
SD420	600.4 ± 13.9 *	92.7	36 (25)
SD448	584.8 ± 19.3 **	89.4	32 (23)
SD476	598.8 ± 17.0 *	91.9	29 (21)
SD504	604.0 ± 14.5	93.9	25 (18)
SD532	589.2 ± 14.5	92.1	24 (17)
SD560	565.6 ± 18.5	92.6	20 (13)
SD588	546.6 ± 23.0	89.8	18 (13)
SD616	539.1 ± 29.4	90.5	13 (12)

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Lab: Battelle

F1 Females: F1 Core Animals

Phase Day	Treatment Groups (mg/L)											
	0			30			100			300		
	Wt (g)	N		Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N
SD0	276.4 ± 2.8 **	50 (27)		275.0 ± 2.8	99.5	50 (25)	275.9 ± 3.2	99.8	50 (26)	272.3 ± 3.5	98.5	50 (26)
SD28	292.8 ± 3.6 **	50 (27)		286.3 ± 3.2	97.8	50 (25)	288.9 ± 3.7	98.7	50 (26)	285.3 ± 3.3	97.4	50 (26)
SD56	303.8 ± 3.6 **	50 (27)		299.5 ± 3.4	98.6	50 (25)	299.7 ± 3.7	98.7	50 (26)	296.8 ± 3.8	97.7	50 (26)
SD84	314.0 ± 4.1 **	50 (27)		309.8 ± 3.5	98.7	50 (25)	310.0 ± 4.4	98.7	50 (26)	307.5 ± 3.9	97.9	50 (26)
SD112	322.8 ± 4.1 **	50 (27)		316.0 ± 3.9	97.9	50 (25)	321.6 ± 5.2	99.6	50 (26)	318.7 ± 4.1	98.7	50 (26)
SD140	334.0 ± 4.8 **	50 (27)		326.4 ± 4.3	97.7	50 (25)	328.8 ± 6.0	98.4	50 (26)	327.6 ± 4.8	98.1	49 (26)
SD168	338.8 ± 5.5 **	49 (27)		331.3 ± 4.8	97.8	50 (25)	336.6 ± 6.5	99.3	50 (26)	334.5 ± 5.3	98.7	49 (26)
SD196	345.9 ± 6.0 **	49 (27)		335.6 ± 5.0	97.0	50 (25)	338.5 ± 6.3	97.8	50 (26)	340.6 ± 6.4	98.5	49 (26)
SD224	349.1 ± 6.4 **	49 (27)		345.8 ± 5.4	99.1	50 (25)	346.8 ± 6.8	99.3	50 (26)	346.4 ± 5.8	99.2	48 (26)
SD252	353.2 ± 7.4 **	49 (27)		350.5 ± 6.9	99.2	49 (25)	353.3 ± 8.0	100.0	50 (26)	352.3 ± 6.8	99.7	47 (26)
SD280	366.8 ± 7.1 **	49 (27)		356.7 ± 7.5	97.3	48 (25)	364.9 ± 8.1	99.5	50 (26)	365.1 ± 8.0	99.5	46 (25)
SD308	379.2 ± 7.8 **	47 (27)		364.8 ± 8.5	96.2	48 (25)	373.0 ± 8.7	98.4	50 (26)	375.2 ± 8.9	98.9	46 (25)
SD336	390.9 ± 8.8 *	47 (27)		372.4 ± 9.7	95.3	48 (25)	378.2 ± 9.4	96.7	49 (26)	377.6 ± 8.2	96.6	44 (25)
SD364	398.3 ± 9.2 *	47 (27)		373.9 ± 9.7	93.9	48 (25)	377.3 ± 9.1	94.7	47 (26)	383.3 ± 8.2	96.2	44 (25)
SD392	405.8 ± 9.7 **	47 (27)		379.5 ± 10.1	93.5	47 (25)	391.5 ± 9.7	96.5	46 (26)	388.8 ± 8.8	95.8	44 (25)
SD420	416.8 ± 10.3 **	47 (27)		390.5 ± 10.3	93.7	47 (25)	406.1 ± 10.7	97.4	45 (26)	400.4 ± 9.4	96.1	44 (25)
SD448	425.3 ± 11.8 **	47 (27)		398.4 ± 11.3	93.7	47 (25)	412.2 ± 13.8	96.9	44 (26)	403.7 ± 9.5	94.9	42 (25)
SD476	423.0 ± 12.0 **	44 (26)		400.4 ± 11.5	94.7	45 (25)	411.2 ± 11.6	97.2	40 (25)	415.7 ± 12.4	98.3	41 (25)
SD504	421.6 ± 10.4 **	43 (25)		398.4 ± 9.3	94.5	43 (24)	418.9 ± 12.5	99.4	38 (24)	417.7 ± 13.1	99.1	39 (25)
SD532	429.4 ± 12.9 **	41 (24)		408.8 ± 11.2	95.2	40 (23)	434.4 ± 16.1	101.2	36 (24)	415.4 ± 11.2	96.7	37 (24)
SD560	426.6 ± 12.9 **	35 (23)		424.1 ± 13.1	99.4	37 (22)	428.7 ± 15.2	100.5	33 (22)	425.7 ± 14.4	99.8	31 (23)
SD588	435.7 ± 15.3 **	28 (21)		427.6 ± 13.7	98.2	35 (21)	425.3 ± 17.0	97.6	31 (22)	407.8 ± 13.3	93.6	29 (22)
SD616	438.1 ± 14.5 **	25 (20)		415.1 ± 12.8	94.8	26 (17)	414.0 ± 12.8	94.5	30 (21)	408.8 ± 14.7	93.3	27 (21)

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Lab: Battelle

F1 Females: F1 Core Animals

Phase Day	Treatment Groups (mg/L)		
	1000		
	Wt (g)	% of CNTL	N
SD0	263.7 ± 2.4 *	95.4	50 (26)
SD28	276.1 ± 2.7 **	94.3	50 (26)
SD56	286.2 ± 3.1 **	94.2	50 (26)
SD84	294.4 ± 2.9 **	93.8	50 (26)
SD112	301.5 ± 3.5 **	93.4	50 (26)
SD140	308.5 ± 3.8 **	92.4	49 (26)
SD168	311.1 ± 5.6 **	91.8	49 (26)
SD196	316.0 ± 5.1 **	91.4	49 (26)
SD224	323.7 ± 5.2 *	92.7	49 (26)
SD252	326.1 ± 6.0	92.3	48 (26)
SD280	337.5 ± 6.2 *	92.0	47 (26)
SD308	345.2 ± 6.8 *	91.0	47 (26)
SD336	355.5 ± 7.5 *	90.9	47 (26)
SD364	359.2 ± 7.6 *	90.2	47 (26)
SD392	360.7 ± 8.8 **	88.9	46 (26)
SD420	360.4 ± 8.8 **	86.5	45 (26)
SD448	366.4 ± 9.5 **	86.2	42 (25)
SD476	371.9 ± 10.5 *	87.9	40 (24)
SD504	367.7 ± 11.0 **	87.2	38 (24)
SD532	373.3 ± 12.5 *	86.9	36 (23)
SD560	366.0 ± 12.7 *	85.8	31 (22)
SD588	364.8 ± 16.9 **	83.7	28 (19)
SD616	372.2 ± 17.4 **	85.0	21 (15)

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LEGEND

Weights are displayed as mean $\pm$ SEM of litter means. N values are displayed as # of animals (# of litters).

SD – Study Day

In multigenerational studies, body weights reported for all animals until mating; pregnant animals only during gestation and lactation; all animals post-weaning.

Statistical analysis for the F1 generation was performed using mixed models, with litter as a random effect for both trend and pairwise tests, and using Dunnett-Hsu adjustment for multiple comparisons.

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 $P \leq 0.01$

For the F1 generation animals, Study Days are defined as the number of days after interim sacrifice animals were removed. On Study Day 0, animals were between 123 and 128 days of age.

**** END OF REPORT ****