

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

I05: Clinical Observations Summary (Interim and Chronic Animals)
Test Compound: Sulfolane
CAS Number: 126-33-0

Date Report Requested: 08/20/2021
Time Report Requested: 14:02:29
Lab: Battelle

Study Number: C11054B-01
Study Sex: Both
PWG Approval Date: See web page for date of PWG Approval
Version: v1.2.9

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Lab: Battelle with CRL

F0 Female						
Phase	Observation	Treatment Groups (mg/L)				
		0	30	100	300	1000
GD	Coat Ruffled	0 / 41	0 / 33	0 / 35	1 / 37 GD 21	0 / 38
GD	Discharge Eye; Left, Red	0 / 41	0 / 33	0 / 35	0 / 37	1 / 38 GD 15
GD	Discharge Eye; Red	1 / 41 GD 12	0 / 33	0 / 35	1 / 37 GD 21	1 / 38 GD 21
GD	Discharge Nose/Snout; Red	0 / 41	1 / 33 GD 6	1 / 35 GD 15	1 / 37 GD 21	1 / 38 GD 21
GD	Discharge Vagina; Red	0 / 41	0 / 33	0 / 35	0 / 37	1 / 38 GD 15
LD	Discharge Eye; Red	0 / 38	1 / 31 LD 24	0 / 33	0 / 35	1 / 34 LD 17
LD	Discharge Nose/Snout; Red	1 / 38 LD 17	0 / 31	1 / 33 LD 17	1 / 35 LD 1	2 / 34 LD 1
LD	Hunched	0 / 38	1 / 31 LD 17	0 / 33	0 / 35	0 / 34
SD	Discharge Eye; Left, Red	0 / 12	0 / 10	1 / 8 SD 6	0 / 6	0 / 5
SD	Discharge Nose/Snout; Red	0 / 12	1 / 10 SD 25	0 / 8	0 / 6	1 / 5 SD 21

F0 Female						
Phase	Observation	Treatment Groups (mg/L)				
		0	30	100	300	1000
SD	Mass Abdomen; Left	0 / 12	0 / 10	0 / 8	0 / 6	1 / 5 SD 21
SD	Mass Fore Limb; Left	0 / 12	0 / 10	0 / 8	0 / 6	1 / 5 SD 25

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F1 Male: F1 Immunotox

Phase	Observation	Treatment Groups (mg/L)				
		0	30	100	300	1000
PND	Discharge Eye; Red	1 / 60 PND 28	1 / 60 PND 56	0 / 60	0 / 60	0 / 60
PND	Discharge Nose/Snout; Red	3 / 60 PND 49	1 / 60 PND 56	3 / 60 PND 49	3 / 60 PND 49	2 / 60 PND 28
PND	Kinked Tail	0 / 60	0 / 60	0 / 60	0 / 60	1 / 60 PND 49
PND	Missing Fore Paw; Left	0 / 60	0 / 60	0 / 60	0 / 60	1 / 60 PND 28
PND	Undescended Testis	0 / 60	0 / 60	0 / 60	0 / 60	2 / 60 PND 49

F1 Female: F1 Immunotox						
Phase	Observation	Treatment Groups (mg/L)				
		0	30	100	300	1000
PND	Damaged Tail	0 / 60	0 / 60	0 / 57	1 / 60 PND 49	1 / 60 PND 28
PND	Discharge Nose/Snout; Red	1 / 60 PND 28	1 / 60 PND 56	0 / 57	0 / 60	0 / 60
PND	Head Tilt	0 / 60	1 / 60 PND 28	0 / 57	0 / 60	0 / 60
PND	Kinked Tail	6 / 60 PND 49	19 / 60 PND 49	19 / 57 PND 49	7 / 60 PND 49	9 / 60 PND 49

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F1 Male: F1 Biosample Animals						
Phase	Observation	Treatment Groups (mg/L)				
		0	30	100	300	1000
PND	Discharge Eye; Red	1 / 5 PND 77	1 / 5 PND 70	2 / 5 PND 70	0 / 5	0 / 5
PND	Discharge Nose/Snout; Red	0 / 5	1 / 5 PND 70	2 / 5 PND 49	1 / 5 PND 91	1 / 5 PND 77

F1 Female: F1 Biosample Animals						
Phase	Observation	Treatment Groups (mg/L)				
		0	30	100	300	1000
PND	Discharge Eye; Red	0 / 5	0 / 5	0 / 5	0 / 5	1 / 5 PND 91
PND	Gait Abnormal	1 / 5 PND 28	0 / 5	0 / 5	0 / 5	0 / 5
PND	Head Tilt	0 / 5	0 / 5	1 / 5 PND 70	0 / 5	0 / 5
PND	Swelling Hind Limb; Right	1 / 5 PND 28	0 / 5	0 / 5	0 / 5	0 / 5

F1 Male: F1 Interim Animals						
Phase	Observation	Treatment Groups (mg/L)				
		0	30	100	300	1000
PND	Discharge Eye; Red	1 / 10 PND 77	2 / 10 PND 28	2 / 10 PND 70	0 / 10	0 / 10
PND	Discharge Nose/Snout; Red	1 / 10 PND 77	1 / 10 PND 70	4 / 10 PND 49	1 / 10 PND 91	1 / 10 PND 77

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F1 Female: F1 Interim Animals

Phase	Observation	Treatment Groups (mg/L)				
		0	30	100	300	1000
PND	Discharge Eye; Red	0 / 10	0 / 10	1 / 10 PND 70	0 / 10	1 / 10 PND 91
PND	Discharge Nose/Snout; Red	0 / 10	0 / 10	0 / 10	0 / 10	1 / 10 PND 56
PND	Gait Abnormal	1 / 10 PND 28	0 / 10	0 / 10	0 / 10	0 / 10
PND	Head Tilt	0 / 10	0 / 10	1 / 10 PND 70	0 / 10	0 / 10
PND	Kinked Tail	0 / 10	0 / 10	1 / 10 PND 56	0 / 10	2 / 10 PND 91
PND	Swelling Hind Limb; Right	1 / 10 PND 28	0 / 10	0 / 10	0 / 10	0 / 10

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F1 Male: F1 Core Animals

Phase	Observation	Treatment Groups (mg/L)				
		0	30	100	300	1000
PND	Discharge Eye; Red	4 / 50 PND 28	0 / 50	4 / 50 PND 28	2 / 50 PND 56	4 / 50 PND 28
PND	Discharge Nose/Snout; Red	5 / 50 PND 49	10 / 50 PND 56	6 / 50 PND 49	4 / 50 PND 49	12 / 50 PND 49
PND	Kinked Tail	1 / 50 PND 105	1 / 50 PND 49	0 / 50	0 / 50	0 / 50
PND	Wound Ear; Right	1 / 50 PND 119	0 / 50	0 / 50	0 / 50	0 / 50

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F1 Female: F1 Core Animals

Phase	Observation	Treatment Groups (mg/L)				
		0	30	100	300	1000
PND	Damaged Tail	0 / 50	0 / 50	0 / 50	1 / 50 PND 101	2 / 50 PND 49
PND	Discharge Eye; Red	4 / 50 PND 84	0 / 50	5 / 50 PND 56	3 / 50 PND 49	2 / 50 PND 70
PND	Discharge Nose/Snout; Red	3 / 50 PND 49	3 / 50 PND 77	3 / 50 PND 56	0 / 50	0 / 50
PND	Discharge Nose/Snout	0 / 50	0 / 50	0 / 50	1 / 50 PND 77	0 / 50
PND	Eye Abnormality Bilateral	0 / 50	0 / 50	0 / 50	1 / 50 PND 91	1 / 50 PND 28
PND	Eye Abnormality Right	1 / 50 PND 77	0 / 50	1 / 50 PND 119	0 / 50	0 / 50
PND	Kinked Tail	4 / 50 PND 49	10 / 50 PND 49	8 / 50 PND 49	20 / 50 PND 49	12 / 50 PND 49
PND	Missing Tail	0 / 50	0 / 50	0 / 50	0 / 50	1 / 50 PND 28
PND	Wound Tail	0 / 50	1 / 50 PND 28	0 / 50	0 / 50	0 / 50

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LEGEND

Animals exhibiting clinical observations "within normal limits" were recorded as scheduled but are omitted from the table for clarity.

Upper row displays cumulative number of animals with observation / total animals started on study for SD days, total number of pregnant animals for GD days, or total number of littered females for LD days.

Lower row displays day of observation onset

SD – Study Day; GD – Gestation Day; LD – Lactation Day; PND – Postnatal Day, adults post-weaning

Females listed as SD were not pregnant.

**** END OF REPORT ****