

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

Study Number:

Study Sex:

PWG Approval Date:

Version:

I05PD: Pup Detailed Clinical Observations Summary (Interim and Chronic Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

C11054B-01

Both

See web page for date of PWG Approval

v1.2.7

Date Report Requested: 07/16/2021

Time Report Requested: 10:26:30

Lab: Battelle

Study Number: C11054B-01

I05PD: Pup Detailed Clinical Observations Summary (Interim and Chronic Animals)

Date Report Requested: 07/16/2021

Test Type: TOX

Test Compound: Sulfolane

Time Report Requested: 10:26:30

Route: Dosing in Water

CAS Number: 126-33-0

Lab: Battelle with CRL

Species/Strain: Rat/Harlan Sprague Dawley

F1 Pups					
	Treatment Groups (mg/L)				
	0	30	100	300	1000
No. pups post cull (PND 10)	285	248	240	268	267
No. litters post cull (PND 10)	38	31	31	34	34
No. pups post cull (PND 14)	285	247	238	268	267
No. litters post cull (PND 14)	38	31	31	34	34
No. pups post cull (PND 21)	285	247	238	268	267
No. litters post cull (PND 21)	38	31	31	34	34
No. pups post cull (PND 28)	285	247	238	268	267
No. litters post cull (PND 28)	38	31	31	34	34
PND10					
Bizarre Behavior, Flopping	3 (1.1)	0	0	0	0
	3 (7.9)	0	0	0	0
Breathing, slow	0	0	1 (0.4)	0	0
	0	0	1 (3.2)	0	0
Cold To Touch	0	0	1 (0.4)	0	0
	0	0	1 (3.2)	0	0
Damaged	0	1 (0.4)	0	0	0
Tail	0	1 (3.2)	0	0	0
Discolored	1 (0.4)	0	0	0	0
Tip of Tail; Black	1 (2.6)	0	0	0	0

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

I05PD: Pup Detailed Clinical Observations Summary (Interim and Chronic Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Date Report Requested: 07/16/2021

Time Report Requested: 10:26:30

Lab: Battelle with CRL

F1 Pups						
		Treatment Groups (mg/L)				
		0	30	100	300	1000
Discolored		1 (0.4)	2 (0.8)	0	1 (0.4)	1 (0.4)
Tip of Tail; Red		1 (2.6)	2 (6.5)	0	1 (2.9)	1 (2.9)
Hyperactivity		3 (1.1)	3 (1.2)	0	3 (1.1)	1 (0.4)
		3 (7.9)	3 (9.7)	0	2 (5.9)	1 (2.9)
Lethargic		0	0	1 (0.4)	0	0
		0	0	1 (3.2)	0	0
Missing		0	0	0	0	1 (0.4)
Fore Paw; Left		0	0	0	0	1 (2.9)
Missing		0	0	0	0	1 (0.4)
Tail		0	0	0	0	1 (2.9)
Missing		0	0	0	0	1 (0.4)
Tip of Tail		0	0	0	0	1 (2.9)
Rearing		3 (1.1)	10 (4.0)	2 (0.8)	2 (0.7)	0
		3 (7.9)	5 (16.1)	2 (6.5)	2 (5.9)	0
Stereotypy, Head Weaving		0	1 (0.4)	0	0	0
		0	1 (3.2)	0	0	0
Urination		44 (15.4)	58 (23.4)	44 (18.3)	25 (9.3)	49 (18.4)
		21 (55.3)	23 (74.2)	17 (54.8)	14 (41.2)	23 (67.6)

Study Number: C11054B-01

I05PD: Pup Detailed Clinical Observations Summary (Interim and Chronic Animals)

Date Report Requested: 07/16/2021

Test Type: TOX

Test Compound: Sulfolane

Time Report Requested: 10:26:30

Route: Dosing in Water

CAS Number: 126-33-0

Lab: Battelle with CRL

Species/Strain: Rat/Harlan Sprague Dawley

F1 Pups					
Treatment Groups (mg/L)					
	0	30	100	300	1000
Vocalization	2 (0.7)	0	0	0	0
Mild	2 (5.3)	0	0	0	0
Wound	1 (0.4)	0	1 (0.4)	0	1 (0.4)
Dorsum; Bilateral	1 (2.6)	0	1 (3.2)	0	1 (2.9)
Wound	0	0	0	0	1 (0.4)
Dorsum; Left	0	0	0	0	1 (2.9)
Wound	0	0	0	0	1 (0.4)
Head; Bilateral	0	0	0	0	1 (2.9)
PND14					
Damaged	0	1 (0.4)	0	0	0
Tail	0	1 (3.2)	0	0	0
Defecation	0	1 (0.4)	0	2 (0.7)	0
	0	1 (3.2)	0	1 (2.9)	0
Discharge	1 (0.4)	0	0	0	2 (0.7)
Nose/Snout; Red	1 (2.6)	0	0	0	1 (2.9)
Discolored	1 (0.4)	0	0	0	1 (0.4)
Tip of Tail; Red	1 (2.6)	0	0	0	1 (2.9)

Study Number: C11054B-01

I05PD: Pup Detailed Clinical Observations Summary (Interim and Chronic Animals)

Date Report Requested: 07/16/2021

Test Type: TOX

Test Compound: Sulfolane

Time Report Requested: 10:26:30

Route: Dosing in Water

CAS Number: 126-33-0

Lab: Battelle with CRL

Species/Strain: Rat/Harlan Sprague Dawley

F1 Pups						
		Treatment Groups (mg/L)				
		0	30	100	300	1000
Hyperactivity		1 (0.4)	2 (0.8)	0	2 (0.7)	2 (0.7)
		1 (2.6)	2 (6.5)	0	2 (5.9)	2 (5.9)
Missing Fore Paw; Left		0	0	0	0	1 (0.4)
		0	0	0	0	1 (2.9)
Missing Tail		0	0	0	0	1 (0.4)
		0	0	0	0	1 (2.9)
Missing Tip of Tail		0	0	0	0	1 (0.4)
		0	0	0	0	1 (2.9)
Rearing		119 (41.8)	112 (45.3)	85 (35.7)	96 (35.8)	105 (39.3)
		35 (92.1)	31 (100.0)	28 (90.3)	30 (88.2)	29 (85.3)
Urination		10 (3.5)	8 (3.2)	9 (3.8)	12 (4.5)	11 (4.1)
		8 (21.1)	6 (19.4)	8 (25.8)	6 (17.6)	9 (26.5)
Wound Dorsum; Bilateral		1 (0.4)	0	0	0	0
		1 (2.6)	0	0	0	0
PND21						
Damaged Tail		0	1 (0.4)	0	1 (0.4)	0
		0	1 (3.2)	0	1 (2.9)	0

Study Number: C11054B-01

I05PD: Pup Detailed Clinical Observations Summary (Interim and Chronic Animals)

Date Report Requested: 07/16/2021

Test Type: TOX

Test Compound: Sulfolane

Time Report Requested: 10:26:30

Route: Dosing in Water

CAS Number: 126-33-0

Lab: Battelle with CRL

Species/Strain: Rat/Harlan Sprague Dawley

F1 Pups						
		Treatment Groups (mg/L)				
		0	30	100	300	1000
Defecation		10 (3.5)	20 (8.1)	8 (3.4)	7 (2.6)	3 (1.1)
		9 (23.7)	10 (32.3)	7 (22.6)	7 (20.6)	3 (8.8)
Discharge Eye; Red		1 (0.4)	0	1 (0.4)	0	0
		1 (2.6)	0	1 (3.2)	0	0
Discharge Nose/Snout; Red		3 (1.1)	0	2 (0.8)	3 (1.1)	3 (1.1)
		3 (7.9)	0	1 (3.2)	2 (5.9)	2 (5.9)
Discolored Tip of Tail; Brown		1 (0.4)	0	0	0	0
		1 (2.6)	0	0	0	0
Discolored Tip of Tail; Red		0	0	0	0	1 (0.4)
		0	0	0	0	1 (2.9)
Gait Abnormal		1 (0.4)	1 (0.4)	0	0	0
		1 (2.6)	1 (3.2)	0	0	0
Hyperactivity		1 (0.4)	1 (0.4)	0	0	1 (0.4)
		1 (2.6)	1 (3.2)	0	0	1 (2.9)
Missing Fore Paw; Left		0	0	0	0	1 (0.4)
		0	0	0	0	1 (2.9)
Missing Tail		0	0	0	0	1 (0.4)
		0	0	0	0	1 (2.9)

Study Number: C11054B-01

I05PD: Pup Detailed Clinical Observations Summary (Interim and Chronic Animals)

Date Report Requested: 07/16/2021

Test Type: TOX

Test Compound: Sulfolane

Time Report Requested: 10:26:30

Route: Dosing in Water

CAS Number: 126-33-0

Lab: Battelle with CRL

Species/Strain: Rat/Harlan Sprague Dawley

F1 Pups						
		Treatment Groups (mg/L)				
		0	30	100	300	1000
Missing		0	0	0	0	1 (0.4)
Tip of Tail		0	0	0	0	1 (2.9)
Rearing		226 (79.3)	189 (76.5)	194 (81.5)	173 (64.6)	183 (68.5)
		38 (100.0)	31 (100.0)	31 (100.0)	34 (100.0)	34 (100.0)
Swelling		1 (0.4)	0	0	0	0
Hind Paw; Right		1 (2.6)	0	0	0	0
Thin		0	0	0	1 (0.4)	0
		0	0	0	1 (2.9)	0
Urination		7 (2.5)	2 (0.8)	0	4 (1.5)	2 (0.7)
		4 (10.5)	2 (6.5)	0	4 (11.8)	2 (5.9)
Wound		0	1 (0.4)	0	0	0
Fore Limb; Right		0	1 (3.2)	0	0	0
PND28						
Damaged		0	1 (0.4)	0	1 (0.4)	0
Tail		0	1 (3.2)	0	1 (2.9)	0
Defecation		8 (2.8)	3 (1.2)	2 (0.8)	3 (1.1)	4 (1.5)
		6 (15.8)	2 (6.5)	2 (6.5)	3 (8.8)	4 (11.8)

Study Number: C11054B-01

I05PD: Pup Detailed Clinical Observations Summary (Interim and Chronic Animals)

Date Report Requested: 07/16/2021

Test Type: TOX

Test Compound: Sulfolane

Time Report Requested: 10:26:30

Route: Dosing in Water

CAS Number: 126-33-0

Lab: Battelle with CRL

Species/Strain: Rat/Harlan Sprague Dawley

		F1 Pups				
		Treatment Groups (mg/L)				
		0	30	100	300	1000
Discharge		1 (0.4)	0	1 (0.4)	0	0
Eye; Red		1 (2.6)	0	1 (3.2)	0	0
Discharge		0	0	3 (1.3)	0	4 (1.5)
Nose/Snout; Red		0	0	3 (9.7)	0	3 (8.8)
Gait Abnormal		2 (0.7)	0	0	0	1 (0.4)
		2 (5.3)	0	0	0	1 (2.9)
Hyperactivity		4 (1.4)	1 (0.4)	4 (1.7)	2 (0.7)	3 (1.1)
		3 (7.9)	1 (3.2)	3 (9.7)	2 (5.9)	3 (8.8)
Missing		0	0	0	0	1 (0.4)
Fore Paw; Left		0	0	0	0	1 (2.9)
Missing		0	0	0	0	1 (0.4)
Tail		0	0	0	0	1 (2.9)
Missing		0	0	0	0	1 (0.4)
Tip of Tail		0	0	0	0	1 (2.9)
Rearing		254 (89.1)	217 (87.9)	226 (95.0)	239 (89.2)	237 (88.8)
		38 (100.0)	31 (100.0)	31 (100.0)	34 (100.0)	34 (100.0)
Swelling		1 (0.4)	0	0	0	0
Hind Paw; Right		1 (2.6)	0	0	0	0

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

I05PD: Pup Detailed Clinical Observations Summary (Interim and Chronic Animals)
Test Compound: Sulfolane
CAS Number: 126-33-0

Date Report Requested: 07/16/2021
Time Report Requested: 10:26:30
Lab: Battelle with CRL

F1 Pups						
		Treatment Groups (mg/L)				
		0	30	100	300	1000
Urination		3 (1.1)	4 (1.6)	5 (2.1)	0	5 (1.9)
		3 (7.9)	4 (12.9)	4 (12.9)	0	5 (14.7)

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

I05PD: Pup Detailed Clinical Observations Summary (Interim and Chronic Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Date Report Requested: 07/16/2021

Time Report Requested: 10:26:30

Lab: Battelle with CRL

LEGEND

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

PND - Postnatal Day, pups pre-weaning

Upper row denotes the pup incidence N (%)

Middle row denotes the litter incidence N (%)

No. live litters includes litters with ≥ 1 live pup

Percent incidence calculated using number of live pups or litters on the specific postnatal day of detailed clinical observations.

**** END OF REPORT ****