

Study Number: MOG10866
Test Type: MOG - Range Finding
Route: Dosing in Feed
Species/Strain: Rat/Harlan Sprague Dawley

I05PD: Pup Detailed Clinical Observations Summary

Test Compound: Isopropylated Phenyl Phosphate

CAS Number: 68937-41-7

Date Report Requested: 03/30/2020

Time Report Requested: 10:32:48

Lab: Battelle

C Number:

MOG10866

Study Gender:

Both

PWG Approval Date

See web page for date of PWG Approval

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F1 Pups

Treatment Groups (ppm)

	0	1000	3000	10000	15000
No. pups post cull (PND 10)	134	167	75	24	9
No. litters post cull (PND 10)	11	17	9	5	1
No. pups post cull (PND 14)	134	161	75	24	9
No. litters post cull (PND 14)	11	17	9	5	1
No. pups post cull (PND 21)	134	160	75	24	9
No. litters post cull (PND 21)	11	17	9	5	1
No. pups post cull (PND 28)	70	103	44	3	9
No. litters post cull (PND 28)	11	17	9	1	1

PND10

Bizarre Behavior, Flopping	0	1 (0.6)	0	0	0
	0	1 (5.9)	0	0	0
Breathing, shallow	0	1 (0.6)	0	0	0
	0	1 (5.9)	0	0	0
Cold To Touch	0	1 (0.6)	0	0	0
	0	1 (5.9)	0	0	0
Dehydrated	0	1 (0.6)	0	0	0
	0	1 (5.9)	0	0	0
Digit Missing	0	1 (0.6)	0	0	0
Fore Paw; Left	0	1 (5.9)	0	0	0

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F1 Pups

Treatment Groups (ppm)

	0	1000	3000	10000	15000
Discolored	0	0	1 (1.3)	0	0
Tip of Tail; Black	0	0	1 (11.1)	0	0
Head Tilt	0	1 (0.6)	0	0	0
	0	1 (5.9)	0	0	0
Lethargic	0	1 (0.6)	0	0	0
	0	1 (5.9)	0	0	0
Milk Band Absent	0	1 (0.6)	0	0	0
Abdomen	0	1 (5.9)	0	0	0
Scab	0	0	1 (1.3)	0	0
Tail	0	0	1 (11.1)	0	0
Thin	0	1 (0.6)	0	0	0
	0	1 (5.9)	0	0	0
Urination	47 (35.1)	50 (29.9)	4 (5.3)	2 (8.3)	0
	8 (72.7)	11 (64.7)	3 (33.3)	1 (20.0)	0
Wound	0	1 (0.6)	0	0	0
Fore Paw; Mild	0	1 (5.9)	0	0	0
Wound	0	1 (0.6)	0	0	0
Tail; Moderate	0	1 (5.9)	0	0	0

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F1 Pups

Treatment Groups (ppm)

	0	1000	3000	10000	15000
PND14					
Bizarre Behavior, Flopping	0	1 (0.6)	0	0	0
	0	1 (5.9)	0	0	0
Digit Missing	0	1 (0.6)	0	0	0
Fore Paw; Left	0	1 (5.9)	0	0	0
Gait Abnormal	0	1 (0.6)	0	0	0
	0	1 (5.9)	0	0	0
Head Tilt	0	1 (0.6)	0	0	0
	0	1 (5.9)	0	0	0
Lethargic	0	1 (0.6)	0	0	0
	0	1 (5.9)	0	0	0
Limping	0	1 (0.6)	0	0	0
Fore Paw; Mild	0	1 (5.9)	0	0	0
Missing	0	1 (0.6)	1 (1.3)	0	0
Tip of Tail	0	1 (5.9)	1 (11.1)	0	0
Rearing	5 (3.7)	16 (9.9)	0	0	0
	3 (27.3)	6 (35.3)	0	0	0

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F1 Pups

Treatment Groups (ppm)

	0	1000	3000	10000	15000
Scab	0	0	1 (1.3)	0	0
Tail	0	0	1 (11.1)	0	0
Stereotypy, Repetitive Sniffing	0	0	0	1 (4.2)	0
	0	0	0	1 (20.0)	0
Tremors	0	0	0	2 (8.3)	0
Mild	0	0	0	1 (20.0)	0
Urination	2 (1.5)	14 (8.7)	5 (6.7)	2 (8.3)	0
	2 (18.2)	7 (41.2)	4 (44.4)	1 (20.0)	0
Vocalization	7 (5.2)	1 (0.6)	2 (2.7)	0	0
Mild	3 (27.3)	1 (5.9)	2 (22.2)	0	0
Wound	0	0	1 (1.3)	0	0
Abdomen; Left; Mild	0	0	1 (11.1)	0	0
Wound	0	1 (0.6)	0	0	0
Fore Limb; Left; Moderate	0	1 (5.9)	0	0	0
Wound	0	1 (0.6)	0	0	0
Hind Paw; Left; Moderate	0	1 (5.9)	0	0	0
Wound	0	1 (0.6)	0	0	0
Nose/Snout; Mild	0	1 (5.9)	0	0	0

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F1 Pups

Treatment Groups (ppm)

	0	1000	3000	10000	15000
Wound	0	1 (0.6)	0	0	0
Tail; Mild	0	1 (5.9)	0	0	0
PND21					
Defecation	0	1 (0.6)	0	0	0
	0	1 (5.9)	0	0	0
Digit Missing	0	1 (0.6)	0	0	0
Fore Paw; Left	0	1 (5.9)	0	0	0
Discharge	0	1 (0.6)	0	0	0
Eye; Clear	0	1 (5.9)	0	0	0
Eye Abnormality	1 (0.7)	0	0	0	0
Right	1 (9.1)	0	0	0	0
Gait Abnormal	0	1 (0.6)	0	0	0
	0	1 (5.9)	0	0	0
Limping	0	1 (0.6)	0	0	0
Mild	0	1 (5.9)	0	0	0
Mass	0	1 (0.6)	0	0	0
Head; Firm	0	1 (5.9)	0	0	0

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F1 Pups

Treatment Groups (ppm)

	0	1000	3000	10000	15000
Missing	0	1 (0.6)	1 (1.3)	0	0
Tip of Tail	0	1 (5.9)	1 (11.1)	0	0
Rearing	0	9 (5.6)	0	0	0
	0	3 (17.6)	0	0	0
Scab	0	0	1 (1.3)	0	0
Tail	0	0	1 (11.1)	0	0
Urination	1 (0.7)	2 (1.2)	1 (1.3)	0	0
	1 (9.1)	2 (11.8)	1 (11.1)	0	0
Vocalization	0	0	1 (1.3)	0	0
Mild	0	0	1 (11.1)	0	0
Wound	0	1 (0.6)	0	0	0
Fore Limb; Left; Mild	0	1 (5.9)	0	0	0
Wound	0	1 (0.6)	0	0	0
Tail; Mild	0	1 (5.9)	0	0	0
PND28					
Defecation	0	1 (1.0)	0	0	0
	0	1 (5.9)	0	0	0

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F1 Pups

Treatment Groups (ppm)

	0	1000	3000	10000	15000
Digit Missing	0	1 (1.0)	0	0	0
Fore Paw; Left	0	1 (5.9)	0	0	0
Discharge	0	1 (1.0)	0	0	0
Eye; Clear	0	1 (5.9)	0	0	0
Discharge	0	0	1 (2.3)	0	0
Eye; Red	0	0	1 (11.1)	0	0
Discharge	0	1 (1.0)	1 (2.3)	0	0
Nose/Snout; Red	0	1 (5.9)	1 (11.1)	0	0
Eye Abnormality	1 (1.4)	0	0	0	0
Left	1 (9.1)	0	0	0	0
Eye Abnormality	1 (1.4)	0	0	0	0
Right	1 (9.1)	0	0	0	0
Limping	0	1 (1.0)	0	0	0
Mild	0	1 (5.9)	0	0	0
Mass	0	1 (1.0)	0	0	0
Head; Firm	0	1 (5.9)	0	0	0
Missing	0	1 (1.0)	2 (4.5)	0	0
Tip of Tail	0	1 (5.9)	2 (22.2)	0	0

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F1 Pups

Treatment Groups (ppm)

	0	1000	3000	10000	15000
Rearing	80 (114.3)	110 (106.8)	38 (86.4)	7 (233.3)	0
	7 (63.6)	13 (76.5)	6 (66.7)	3 (300.0)	0
Urination	2 (2.9)	3 (2.9)	3 (6.8)	0	0
	1 (9.1)	3 (17.6)	3 (33.3)	0	0
Wound	0	1 (1.0)	0	0	0
Fore Limb; Left; Mild	0	1 (5.9)	0	0	0
Wound	0	2 (1.9)	0	0	0
Tail; Mild	0	1 (5.9)	0	0	0

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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.

F1 litter incidence based on the number of F0 dams.

**** END OF REPORT ****