

**Study Number:** C16019-01  
**Test Type:** TOX - Perinatal DRF  
**Route:** Dosing in Water  
**Species/Strain:** Rat/Harlan Sprague Dawley

**I05: Clinical Observations Summary**

**Test Compound:** Thallium (I) Sulfate  
**CAS Number:** 7446-18-6

**Date Report Requested:** 01/13/2020

**Time Report Requested:** 15:38:56

**Lab:** Battelle

**C Number:**

C16019-01

**Study Gender:**

Female

**PWG Approval Date**

See web page for date of PWG Approval

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Lab: Battelle

F0 Female

Phase	Observation	Treatment Groups (mg/L)					
		0	3.13	6.25	12.5	25	50
GD	Alopecia Dorsum	0 / 20	0 / 12	0 / 20	0 / 12	1 / 20 GD 18	0 / 12
GD	Alopecia Fore Limb; Bilateral	0 / 20	0 / 12	0 / 20	0 / 12	3 / 20 GD 19	0 / 12
GD	Alopecia Fore Limb; Left	0 / 20	0 / 12	0 / 20	0 / 12	1 / 20 GD 20	0 / 12
GD	Alopecia Fore Limb; Right	0 / 20	0 / 12	0 / 20	0 / 12	1 / 20 GD 20	0 / 12
GD	Alopecia Head; Bilateral	0 / 20	0 / 12	0 / 20	0 / 12	2 / 20 GD 20	0 / 12
GD	Alopecia Hind Limb; Left	0 / 20	0 / 12	0 / 20	0 / 12	1 / 20 GD 6	0 / 12
GD	Breathing, labored	0 / 20	0 / 12	0 / 20	0 / 12	2 / 20 GD 22	2 / 12 GD 14
GD	Cold To Touch	0 / 20	0 / 12	0 / 20	0 / 12	2 / 20 GD 21	3 / 12 GD 14
GD	Discharge Eye; Bilateral, Clear	0 / 20	0 / 12	0 / 20	0 / 12	0 / 20	2 / 12 GD 15
GD	Discharge Eye; Bilateral, Red	0 / 20	0 / 12	0 / 20	0 / 12	1 / 20 GD 21	0 / 12

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		0	3.13	6.25	12.5	25	50
GD	Discharge Eye; Clear	0 / 20	0 / 12	0 / 20	0 / 12	3 / 20 GD 20	2 / 12 GD 16
GD	Discharge Eye; Red	0 / 20	0 / 12	1 / 20 GD 6	0 / 12	1 / 20 GD 19	1 / 12 GD 16
GD	Discharge Nose/Snout; Red	0 / 20	0 / 12	2 / 20 GD 17	0 / 12	12 / 20 GD 19	5 / 12 GD 14
GD	Feces Few, Soft	0 / 20	0 / 12	0 / 20	0 / 12	1 / 20 GD 19	0 / 12
GD	Feces Soft	0 / 20	0 / 12	0 / 20	0 / 12	19 / 20 GD 17	12 / 12 GD 13
GD	Hunched	0 / 20	0 / 12	0 / 20	0 / 12	0 / 20	9 / 12 GD 14
GD	Hypoactivity	0 / 20	0 / 12	0 / 20	0 / 12	0 / 20	1 / 12 GD 14
GD	Lethargic	0 / 20	0 / 12	0 / 20	0 / 12	4 / 20 GD 21	3 / 12 GD 15
GD	Mass Abdomen; 1, Left, Medium (6-15mm)	1 / 20 GD 18	0 / 12	0 / 20	0 / 12	0 / 20	0 / 12
GD	Pale	0 / 20	0 / 12	0 / 20	0 / 12	5 / 20 GD 21	10 / 12 GD 14

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		0	3.13	6.25	12.5	25	50
GD	Piloerection	0 / 20	0 / 12	0 / 20	0 / 12	3 / 20 GD 21	3 / 12 GD 14
GD	Wet Urogenital	0 / 20	0 / 12	0 / 20	0 / 12	15 / 20 GD 17	12 / 12 GD 13
LD	Alopecia Dorsum; Right	0 / 17	0 / 12	0 / 17	1 / 12 LD 23	0 / 4	
LD	Alopecia Dorsum	0 / 17	0 / 12	0 / 17	1 / 12 LD 6	1 / 4 LD 0	
LD	Alopecia Fore Limb; Bilateral	0 / 17	0 / 12	0 / 17	0 / 12	1 / 4 LD 0	
LD	Alopecia Fore Limb; Left	0 / 17	0 / 12	0 / 17	0 / 12	1 / 4 LD 0	
LD	Alopecia Head; Bilateral	0 / 17	0 / 12	0 / 17	0 / 12	1 / 4 LD 0	
LD	Discharge Eye; Left, Red	1 / 17 LD 5	1 / 12 LD 3	0 / 17	0 / 12	0 / 4	
LD	Discharge Eye; Red	0 / 17	0 / 12	1 / 17 LD 0	0 / 12	0 / 4	
LD	Discharge Eye; Red, Right	0 / 17	0 / 12	1 / 17 LD 14	0 / 12	0 / 4	

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Phase	Observation	Treatment Groups (mg/L)				
		0	3.13	6.25	12.5	25
LD	Discharge Nose/Snout; Bilateral, Red	1 / 17 LD 24	0 / 12	0 / 17	0 / 12	0 / 4
LD	Discharge Nose/Snout; Red	2 / 17 LD 1	3 / 12 LD 0	1 / 17 LD 7	2 / 12 LD 0	1 / 4 LD 0
LD	Feces Soft	3 / 17 LD 12	6 / 12 LD 4	2 / 17 LD 11	6 / 12 LD 9	3 / 4 LD 0
LD	Mass Abdomen; 1, Left, Medium (6-15mm)	1 / 17 LD 0	0 / 12	0 / 17	0 / 12	0 / 4
LD	Mass Abdomen; 1, Left, Small (1-5mm)	1 / 17 LD 13	0 / 12	0 / 17	0 / 12	0 / 4
LD	Mass Thorax; 1, Left, Medium (6-15mm)	0 / 17	0 / 12	1 / 17 LD 22	0 / 12	0 / 4
LD	Scab Tail; Right	0 / 17	0 / 12	1 / 17 LD 6	0 / 12	0 / 4
LD	Wet Urogenital	0 / 17	1 / 12 LD 11	0 / 17	1 / 12 LD 14	1 / 4 LD 0

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LEGEND

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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 \*\***