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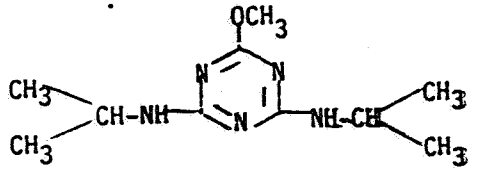
003528

LBDale,Jr.:mw
January 10, 1969

Trade Name	:	~~Linuron~~ Pramitol (A.M. 7/14/81)
Chemical Name	:	2-methoxy-4,6-bis-(isopropylamino)-s-triazine
Structural Formula	:	
Empirical Formula	:	$C_{10}H_{20}N_5O$
Use	:	Herbicide

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DATA SUMMARY

Acute Oral Toxicity (Rat)Technical	:	LD_{50} = 2980 mg/Kg
Acute Oral Toxicity (Mice)Technical	:	LD_{50} = 2160 mg/Kg
Subchronic Oral Toxicity (Rat)Technical	:	4 Week - 400 mg/Kg - 0/10 dead; 750 mg/Kg - 4/10 dead 1500 mg/Kg - 9/10 dead
Subchronic Oral Toxicity (Rat) 25 ES	:	4 Week - 750 mg/Kg-1/10 dead 1500 mg/Kg-2/10 dead 2500 mg/Kg-7/10 dead
Subchronic Dermal Toxicity (Rat) 25 ES:		5% suspension, 5 days - no local skin irritation, no intoxication
90 Day Oral Toxicity (Rat) 25 ES	:	5 cu. mm./Kg/day -"no effect" 2500 mg/Kg/day - toxic

2-Methoxy-4,6-bis-(isoproyplamino)-s-triazine

90 Day Subchronic Toxicity Study (Rat)

The materials utilized in this study were Prometone 25 ES (25% 2-methyl 4,6 bis isopropylamino 5 triazine, and a controlled emulsion.)

The doses are expressed as 100% active ingredient. The following animal groups were utilized: Group 3 consisting of 24 rats (12 male and 12 female) received 50 cubic ml/Kg/day: Group 4 consisting of 24 rats (12 male, 12 female) received 5 cubic ml/Kg/day: Group 5 (control) consisting of 24 rats (24 male, 12 female) received 50 cubic ml/Kg/day control emulsion: Group 6 (control) consisting of 24 rats (12 male, 12 female) received 5 ml/Kg/day water. The materials were administered via stomach tube 6 days per week for 90 days.

Prometone had no effect on the normal development of the body weights of the rats, the daily food consumption, or appearance or behavior of the animals.

Autopsies performed on all animals revealed no gross pathology which could be associated with treatment.

Two animals in the 50 cu ml/Kg/day group died due to chronic toxic effect of the drug. The livers of the 50 cubic ml/Kg/day groups exhibited vacuole formation and a granulation of the protoplasm. Slight cloudy swelling was noted in the kidney tubules.

Subchronic Dermal Toxicity (Rat)

30 rats received graded doses of Prometone 25 ES to the denuded skin . Applications were made daily always in the same place five days per week for 3 weeks.

Three concentrations of Prometone 25 ES were employed: emulsion with 1% active ingredient; emulsion with 2.5% active ngredient; and emulsion with 5% active ingredient.

No absorptive intoxication was noted at any concentration. No local skin irritation was noted at the 1% active ingredient level. Slight local skin irritation was noted at the 2.5% and 5% active ingredient level.

Subchronic Oral Toxicity Study with Promazene 50 WP

24 rats (12 male, 12 female) were used at each dosage level. The dosage levels are expressed as 100% active ingredient. Two dosage levels were employed with Promazene 50 WP: 250 mg/Kg/day and 2500 mg/Kg/day. 23 out of 24 animals at the 250 mg/Kg/day dosage level survived to the 80th day of the study. Eight of 24 animals at the 2500 mg/Kg/day level survived to the 80th day of the study.

No gross pathology was given.

CONCLUSIONS

The data presented on 2-methoxy-4,6-bis-(isopropylamino)-s-triazine are sketchy in that they are incomplete translations from the German. Majority of the data are in summary form.

The toxicity of the compound seems to be moderate with only minimal skin irritation. No inhalation data were presented.

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RIN-0334-94 PROMETON REVIEWS (080804)

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____ Description of quality control procedures.

____ Identity of the source of product ingredients.

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✓ A draft product label.

____ The product confidential statement of formula.

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