

US EPA ARCHIVE DOCUMENT

000718 96

LBDale, Jr.:mw  
January 10, 1969

Trade Name

:

~~Linduron~~ Pramitol (AM-7/14/81)

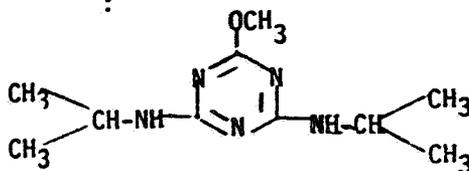
Chemical Name

:

2-methoxy-4,6-bis-(isopropylamino)-  
s-triazine

Structural Formula

:



Empirical Formula

:

$C_{10}H_{20}N_5O$

Use

:

Herbicide

1-13  
0

DATA SUMMARY

Acute Oral Toxicity (Rat) Technical : LD<sub>50</sub> = 2980 mg/Kg

Acute Oral Toxicity (Mice) Technical : LD<sub>50</sub> = 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-(isopropylamino)-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 ingredient; 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.

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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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U. S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL RESEARCH SERVICE  
PESTICIDES REGULATION DIVISION  
WASHINGTON, D. C. 20250

000718

**INTERDEPARTMENTAL COORDINATION  
OF  
ACTIVITIES RELATING TO PESTICIDES**

*Referral of Application for Registration under the  
Federal Insecticide, Fungicide, and Rodenticide Act*

1. APPLICANT

**Essex, Rodent and Sanguary  
907 South Main Avenue  
Chicago, Illinois 60607**

2. PRODUCT

3. DATE OF REFERRAL

~~ESSEX RODENT & SANGUARY~~  
4. COMMENTS BY COORDINATING AGENCY

~~530~~

~~May 3, 1964~~

We would appreciate receiving toxicological data for the active ingredient as listed for this Reg. No. This request does not constitute an objection.

Active Ingredient

2-methoxy-4,6-bis (isopropylamino)-  
S-triazine

**BEST AVAILABLE COPY**

OFFICE OF REGISTRATION  
004371  
Bureau of Entomology and Plant Quarantine (EPH)  
U. S. DEPARTMENT OF AGRICULTURE

5. BY (Name)

6. DATE

7. NAME OF AGENCY

PR FORM 9-230  
OCT 1964

REPLACE BY FORM 9-230, OCT 1964 WHICH IS OBSOLETE

DEC 1964

REPLACE BY FORM 9-230, OCT 1964 WHICH IS OBSOLETE

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RIN-0334-94      PROMETON REVIEWS (088804)

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Pages \_\_\_\_\_ through \_\_\_\_\_ are not included.

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The material not included contains the following type of information:

- Identity of product inert ingredients.
  - Identity of product impurities.
  - Description of the product manufacturing process.
  - Description of quality control procedures.
  - Identity of the source of product ingredients.
  - Sales or other commercial/financial information.
  - A draft product label.
  - The product confidential statement of formula.
  - Information about a pending registration action.
  - FIFRA registration data.
  - The document is a duplicate of page(s) \_\_\_\_\_.
  - The document is not responsive to the request.
- 

The information not included is generally considered confidential by product registrants. If you have any questions, please contact the individual who prepared the response to your request.

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RJN-0334-94 PROMETON REVIEWS (088804)

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Pages 8 through 9 are not included.

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INTERDEPARTMENTAL COORDINATION  
OF  
ACTIVITIES RELATING TO PESTICIDES

000718

Referral of Application for Registration under the  
Federal Insecticide, Fungicide, and Rodenticide Act

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1. APPLICANT

Geigy Agricultural Chemical  
Division of Geigy Chemical Corporation  
P. O. Box 430  
Yonkers, New York

2. PRODUCT

HEMATEL 95

100-X

3. DATE OF REFERRAL

March 8, 1965

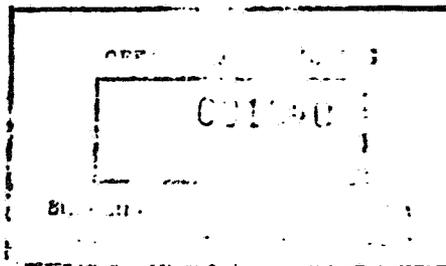
4. COMMENTS OF COORDINATING AGENCY

We would appreciate receiving toxicological data on the active ingredient  
for this Reg. No. This request does not constitute an objection.

Active Ingredient

2-methoxy-4,6-bis  
(isopropylamino)-s-  
triazine

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5. BY (Name)

6. DATE

7. NAME OF AGENCY

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RIN-0334-94      PROMETON REVIEWS (088807)

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Pages \_\_\_\_\_ through \_\_\_\_\_ are not included.

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RIN-0334-94 PROMETON REVIEWS (080807)

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Pages 12 through 13 are not included.

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