

US EPA ARCHIVE DOCUMENT

2,4-D/TOX



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

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Releasable

MEMORANDUM

DATE: March 2, 1981  
SUBJECT: Acme Vegetation Killer  
EPA Reg. No. 33955-454  
FROM: Sherell A. Sterling  
FHB/TSS  
TO: Richard Mountfort  
Product Manager (23)

Handwritten notes: 5-12-81, 3/12/81

Applicant: Acme Division  
PBI/Gordon Corporation  
300 South Third Street  
P.O. Box 2276  
Kansas City, Kansas 66110

Active Ingredient:

- Prometon .....3.6%
- 2,4-Dichlorophenoxyacetic acid .....1.0%
- Aromatic petroleum distillates .....76.4%
- Inert Ingredients .....19.0%

Background: A Dermal Sensitization test was submitted in response to a request made when other acute data were reviewed (see Sterling 3/28 /80). The other acute exposure data were considered adequate for conditional registration purposes.

The Dermal Sensitization study was conducted by Stillmeadow, Inc. of Houston, Texas. It is under Accession Number 244288.

Recommendations:

1. The Dermal Sensitization study is considered adequate and acceptable for conditional registration purposes.

Labeling Recommendations:

1. The statement "May cause allergic skin reaction" must be added to the "Hazards to Humans and Domestic Animals" section.

2. Under "Directions for Use" please note the following:

- (a) The statement "It is a violation of federal law to use this product in a manner inconsistent with its labeling" must appear on the label. The appropriate place is directly below the "Directions for Use" heading.
- (b) The statement "Read Cautions First" is inappropriate and must be deleted. An alternative statement would be "Read Precautionary Statements first."

Review:

1. Guinea Pig Sensitization: Stillmeadow Project #1942-80; January 6, 1981; Acc. No. 244288

Procedure: Twenty male Hartley-albino guinea pigs were treated with 0.5 ml of a substance under occlusive wrap at days 0,3,5,7,10,12,14,17,19 and 21. In 10 of the animals, the test substance was 10% v/v solution of Acme Vegetation Killer in dionized water which was the highest non-irritating level. The remaining animals acted as a positive control with 0.05% w/v solution of 2,4-dinitrochlorobenzene in ethanol. On day 35, the animals were challenged with 0.5 ml of their respective test substances at each of two sites.

Results: At 24 hours, the positive controls showed no erythema and no edema. The test substance showed erythema at 4/10 = 1 and no edema. At Day 35, the positive controls showed erythema in 17/10 = 1, 3/20 = 2 and edema in 10/20 = 1; the test substance showed erythema in 18/20 = 1, 1/20 = 2 and 10/20 = 1 for edema. The test substance was found to be a dermal sensitizing agent.

Study Classification: Core Minimum Data. The dosage levels should be: 0.05 ml initially, 0.1 ml 3 times per week for three weeks (total = 10), wait 2 weeks and challenge. Sites should be rotated.

Toxicity Category: Dermal sensitizer

NOTICE: Seller warrants that this product conforms to the ingredient statement on the label. Since conditions of use, such as weather, compatibility with other chemicals, and condition of application equipment will vary, Seller makes no claims other than those stated on this label.



ONE PINT COVERS 133 SQ. FT.

**ACTIVE INGREDIENTS:**

- \*Prometon (2, 4-bis(isopropylamino)-6-methoxy s-triazine) 3.6%
- 2, 4 Dichlorophenoxyacetic acid 1.0%
- Aromatic petroleum distillates 76.4%
- INERT INGREDIENTS** 19.0%
- TOTAL** 100.0%

U.S. Pat. 2,909,420 ("Prometon")

**Keep Out of Reach of Children**

**DANGER**

See Back Panel for Other Precautions and Statement of Practical Treatment

**NET CONTENTS ONE PINT**

**DIRECTIONS FOR USE ON LAWNS KILLS GRASS**

- 1 Mix 1 to 1 pint per gallon of water in sprayer or backpack applicator. If sprayer is used work at lowest possible pressure and use large nozzle open to give large droplets.
- 2 Apply one gallon of mixed spray per 100 square feet. On scattered weeds wet all foliage to the ground. Fall wetting is essential for total control. New shoots from deep rooted perennials such as Canada Thistle and Milk weed may require repeat spraying. Make application when weeds are young and actively growing. Autumn is slow if ground is dry or plants wilted.
- 3 Apply along fence lines, gravel drives, patios, blocks, and around buildings where no growth is desired. Kills grass and broadleaf weeds. Do not use on lawns. Some species such as *Oxalis* may not be completely killed. Annual weeds may sprout following treatment. Fall weeds should be cut first as the dead foliage is a fire hazard.
- 4 Activity is apparent on plants in a few days but final kill by root penetration may take 2 or 3 weeks. The mixed spray is white and any skips are noticeable so that complete coverage is easy to obtain.

EPA REG NO 33988-454  
EPA EST NO 2217 NS-1  
918 880

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans & Domestic Animals**  
**DANGER** Corrosive causes eye and skin irritation. Do not get in eyes on skin or clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Do not breathe spray mist. Wash thoroughly after handling. Do not contaminate feed or feedstuffs.  
**Statement of Practical Treatment** In case of eye contact wash with water for at least 15 minutes and seek medical attention. In case of skin contact wash with plenty of soap and water. Get medical attention if skin irritation persists and if ingested do not induce vomiting. Drink milk with whites or gelatin if not available. Drink plenty of water if inhaled. Remove victim to fresh air.  
**Note to Physician:** There is no specific antidote if ingested. Do not induce emesis and take care to avoid aspiration of stomach contents during gastric lavage. Give a saline laxative and supportive therapy.  
**Environmental Hazards:** This product is toxic to fish. Keep out of any body of water. Do not contaminate water used for irrigation or domestic purposes. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.  
**Physical or Chemical Hazards:** Do not use pour, spill or store near heat or open flame.

**STORAGE & DISPOSAL** Do not reuse empty container. Wrap and put in trash collection. Do not store near feed or foodstuffs. Do not store near fertilizers, seeds, insecticides or fungicides.

**OTHER USE PRECAUTIONS** Care must be taken that none of this material falls on flower beds or edges of lawns. Do not spray over roots of valuable trees, shrubs or grape vines. Never use a weed killer sprayer or equipment to apply insecticides or fungicides. Do not use same spray equipment to apply insecticides or fungicides. Do not use same spray equipment for other purposes. Avoid spray drift to vegetables, flowers, ornamentals or other desirable plants. Do not use fine mist sprays. Coarse sprays are less likely to drift away from target area.

