

PM 23

4581-381

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg.  
Number:  
4581-381

Date of Issuance:  
MAR 13 1997

NOTICE OF PESTICIDE:  
  X   Registration  
      Reregistration

Term of Issuance:  
Conditional

Name of Pesticide Product:  
DES-I-CATE II

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Elf Atochem North America, Inc.  
2000 Market Street  
Philadelphia, PA 19103

Notes: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following label changes before you release the product for shipment:
  - a. Revise the EPA Registration Number to read, "EPA Reg. No. 4581-381".
  - b. As per your correspondence dated January 17, 1997, we acknowledge the official product name for this product to be "DES-I-CATE II". Therefore, delete the reference to "TD 2335-2" wherever it appears on the labeling and replace it with "DES-I-CATE II".
  - c. Revise the percentage of the acid equivalent for the active ingredient in the Ingredient substatement to read "23.36%".

Signature of Approving Official:

Date:

MAR 13 1997

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- d. Rewrite the Statement of Practical Treatment to read as follows:

"IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention."

"IF ON SKIN: Wash with plenty of soap and water. Get medical attention."

"IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting."

"IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention."

- e. Rewrite the Precautionary Statements to read as follows:

"Corrosive. Causes irreversible eye damage and skin burns. May be fatal if swallowed, absorbed through skin or inhaled. Do not get in eyes, on skin or on clothing. Do not breathe vapor or spray mist."

- f. Delete the statement "TD 2335-2 is also used for the suppression of sucker growth in hops" from the General Information section.

3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Joanne I. Miller  
Product Manager (23)  
Fungicide-Herbicide Branch  
Registration Division (7505C)

Enclosure

DK: 305-7546: HAB/PM23

CONCURRENCES

|           |          |  |  |  |  |  |  |  |
|-----------|----------|--|--|--|--|--|--|--|
| SYMBOL ▶  | 7505C    |  |  |  |  |  |  |  |
| SURNAME ▶ | D. KENNY |  |  |  |  |  |  |  |
| DATE ▶    | 3/6/97   |  |  |  |  |  |  |  |

elf atochem

ATO

WPS

PROPOSED LABEL

**TD 2335-2**

**A POTATO VINE KILLER AND A HARVEST AID  
FOR ALFALFA AND CLOVER**

Contains 2.0 lbs. endothall\* per gallon

ACTIVE INGREDIENT:

Mono (N,N-dimethylalkylamine)\*\* salt of endothall\* .....53.0%

INERT INGREDIENTS: .....47.0%

TOTAL .....100.0%

\*7-oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid equivalent 5.5%

\*\*Alkyl groups as in fatty acids of coconut oil

**KEEP OUT OF REACH OF CHILDREN  
PELIGRO DANGER**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail).

**STATEMENT OF PRACTICAL TREATMENT**

IF IN EYES, immediately flush with plenty of water for at least 15 minutes. Call a physician.

IF ON SKIN, immediately flush with plenty of water for at least 15 minutes.

IF SWALLOWED, drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

See Side Panel for Additional Precautionary Statements.

EPA Registration No. 4581

EPA Establishment No. 5905-GA-1

Net Contents \_\_\_\_\_

Sold by:

**ELF ATOCHEM NORTH AMERICA, INC.—AGCHEM DIVISION**

2000 Market Street, Philadelphia, PA 19103

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated**

MAR 13 1997

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

4581-381

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)**

**DANGER**

CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE. CAUSES SKIN IRRITATION. MAY BE FATAL IF ABSORBED THROUGH SKIN. HARMFUL IF SWALLOWED OR INHALED. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING.

**Personal Protective Equipment**

Applicators and other handlers must wear:

- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing or loading
- Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**ENGINEERING CONTROLS STATEMENTS**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240 (d) (4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

**User Safety Recommendations:**

Users should:

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

**ENVIRONMENTAL HAZARDS**

Avoid contact with or drift to other crops, trees, or plants as injury may occur. To avoid drift use coarse spray and /or drift retardants.

This product is toxic to fish and wildlife. Keep out of lakes, streams and ponds. Do not contaminate water when disposing of equipment wash waters.

Do not feed treated forage to dairy animals being finished for slaughter. Do not use on forage to be sold commercially or to be shipped interstate. Do not graze treated areas.

**GENERAL INFORMATION**

TD 2335-2 is a water soluble formulation of endothall used in the desiccation of certain crops in preharvest application to facilitate mechanical harvest. TD 2335-2 is also used for the suppression of sucker growth in hops.

Use the recommended rate of TD 2335-2 with water as a carrier. The use of an appropriate adjuvant may enhance performance. TD 2335-2 readily disperses in water and remains uniformly in solution.

In aerial as well as ground applications, thorough coverage of plants is essential for best results.

Applications should be made during periods of highest relative humidity (early mornings or evenings) if daytime temperatures are expected to reach 80° or higher. Wash out sprayer immediately after use.

Do not apply this product through any type of irrigation system.

**POTATOES**

**Treated Potatoes Must Be Harvested By Mechanical Means Only. Culling Of Harvested Potatoes Is Allowed.**

Apply to potato vines 10 to 14 days prior to harvest, using the recommended rate of TD 2335-2 thoroughly mixed with water as follows:

**For Aerial Applications:** Light to medium vine growth- Apply 1.5 to 2.0 quarts of TD 2335-2 in 5 to 10 gallons of total spray per acre.

**Heavy Vine Growth-** Apply 2.0 quarts of TD 2335-2 in 5 to 10 gallons total spray per acre. Use of 10 gallons total spray will improve coverage on heavy vine growth. For exceptionally heavy vines, it is sometimes advisable to apply 1.0 quart of TD 2335-2 in 5 gallons of spray in one direction followed immediately by a similar amount applied at right angles to the first set of swaths.

**For Ground Applications:** Light to medium vine growth- Apply 1.5 to 2.0 quarts of TD 2335-2 per acre in 20 to 100 gallons of total spray. Use higher rate during cool, cloudy weather.

**Heavy Vine Growth-** Apply 2.0 quarts of TD 2335-2 per acre in 20 to 100 gallons of total spray. For Northwest conditions, it is suggested that total spray in ground equipment not exceed 40 gallons per acre.

**NOTE:** The addition of ammonium sulfate may increase performance of this product. Ensure that the ammonium sulfate is completely dissolved in the spray tank before adding TD2335-2 or an adjuvant. The addition of spray adjuvants to increase coverage may improve performance. Always test for compatibility, using a jar test, prior to mixing the spray tank.

#### **ALFALFA AND CLOVER**

**Treated Alfalfa and Clover Must Be Harvested By Mechanical Means Only.**

**Seed crops Only-** Seed from treated fields should be used for planting purposes only. Do not use seed for food, feed or oil purposes.

**Alfalfa and Clovers** (Crimson C., Alsike C., Ladino C., Red C., Sweet C. and White C.)

**For Aerial Applications:** The following rates are recommended:

**Medium Stands-** Use 1.25 quarts of TD 2335-2 in 8½ gallons of water per acre in one application.

**Heavy Stands-** Use 0.75 to 1.25 quarts of TD 2335-2 in 8½ to 9 gallons of water per acre and repeat application in 3 to 5 days; or use 1.5 quarts of TD 2335-2 in 8 gallons of water per acre in one application.

**For Ground Applications:** Use the same rate of TD 2335-2 per acre, but increase the water to make a total spray of 15 to 20 gallons per acre.

**When To Combine** is dependent on the weather but usually the desiccated alfalfa or clover is ready to combine 5 to 10 days after treatment.

**NOTE:** Seed crops should not be sprayed until the seed is mature and the plants have lost moisture normally following the end of the irrigation season. Spraying before the seed has reached maximum dry weight may result in yield reduction. Seed crops are normally ready for combining 5 to 10 days after treatment. For best results combine the seed crop as soon as it is ready for harvest.



## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**Storage Instructions:** Store in the original container. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. In the event of spillage during handling or storage, absorb with sand or other inert material and dispose of absorbent in accordance with the Pesticide Disposal Instructions listed below.

**Pesticide Disposal Instructions:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Container Disposal Instructions:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### WARRANTY AND DISCLAIMER

Elf Atochem North America warrants that this material conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use, subject to the risks referred to therein. ELF ATOCHEM MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL ELF ATOCHEM OR SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS, BUSINESS REPUTATION, OR CUSTOMERS; LABOR COST; OR OTHER EXPENSES INCURRED IN PLANTING OR HARVESTING.

Elf Atochem and seller offer this product and the buyer and user accept it subject to the foregoing conditions of sale and warranty which may be varied only by agreement in writing signed by a duly authorized representative of Elf Atochem.

5-C204S-02 C4 (1/95) WPS

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