

PM 31 4581-380

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US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460	EPA REGISTRATION NO. 4581-380	DATE OF ISSUANCE JAN 29 1997
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT TD2335 Industrial Biocide - Molluscicide	

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
 (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Elf Atochem North America, Inc.
 2000 Market Street
 Philadelphia, PA 19103-3222

NOTE: Changes in labeling formula 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 U.S. 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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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/cite all data required for registration/reregistration of your product under FIFRA section 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 labeling changes listed below before you release the product for shipment:
 - a. Add the phrase "EPA Registration No. 4581-380".
 - b. In the label ingredient statement, place two asterisks following (dimethylalkylamine **) and after the statement ** Alkyl as in fatty acids of Coconut oil.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL 

DATE JAN 29 1997

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The nomenclature should read:

Mono(N,N-dimethylalkylamine **) Salt of endothall*

The Substatement should read:

Contains 2 lb Technical Endothall per gallon
*7-oxabicyclo (2,2,1) heptane-2,3-dicarboxylic acid
equivalent 23.36%
** Alkyl as in fatty acids of Coconut oil

3. Submit one (1) copy of the final printed label before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

- 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 labeling is enclosed for your records.

If you have any questions concerning this letter, please contact Martha Terry at 703-305-6982.

Sincerely,



Marion J. Johnson, Jr.
Product Manager (31)
Antimicrobial Program Branch
Registration Division (7505C)

Enclosure

BEST AVAILABLE COPY

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ACCEPTED
with COMMENTS
in EPA Letter Dated:

JAN 29 1997

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

4581-380

TD 2335

INDUSTRIAL BIOCIDES-MOLLUSCIDES

ACTIVE INGREDIENT:

Mono(N,N-dimethylalkylamine) salt of endothal*53.0%

INERT INGREDIENTS:47.0%

TOTAL: 100.0%

Contains 2 lb. Technical endothal* per gallon
*7-oxabicyclo [2.2.1] heptane-2,3-dicarboxylic acid equivalent 23.36%

**KEEP OUT OF REACH OF CHILDREN
DANGER**

STATEMENT OF PRACTICAL TREATMENT

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 ON SKIN, wash with plenty of soap and water. Get medical attention.

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

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

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

EPA Registration No. 4581-

EPA Establishment No: 228-IL-1

Net Contents 30 Gallons/113.5 Liters

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

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER**

FATAL IF ABSORBED THROUGH SKIN. MAY BE FATAL IF SWALLOWED. CORROSIVE, CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS. MAY BE FATAL IF INHALED. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. WEAR PROTECTIVE CLOTHING, RUBBER GLOVES, AND GOGGLES OR FACE SHIELD WHEN HANDLING. Wash thoroughly with soap and water after handling and before eating or smoking. Remove contaminated clothing and wash before reuse. Do not breathe vapor or spray mist.

ACCEPTED
WITH COMMENTS
by EPA Region 4

PERSONAL PROTECTIVE EQUIPMENT

Workers who will come in contact with the concentrated product must wear:

JAN 29 1997

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

This pesticide is a toxic substance, fungicide, and insecticide Act as amended, for the pesticide registered under EPA Reg. No. 4581-380

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.

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.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination Systems (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewage systems without previously notifying the local sewage treatment authority. For guidance contact your State Water Board or Regional Office of the EPA.

GENERAL INFORMATION

TD 2335 is a liquid concentrate soluble in water. The active ingredient of this product is highly effective in controlling established populations or Zebra Mussel and in preventing settlement of the immature forms of Zebra Mussel and Quagga Mussel. TD 2335 has also shown activity against various slime organisms in systems that

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recirculate water.

The toxicity of TD 2335 to Zebra Mussel is dependent on rate of application and the time of exposure. In lab studies, treatments of TD 2335 at 2.3 ppm for 6-7 hours were equivalent to those at 5 ppm for 2 hours. TD 2335 rapidly dissipates in water. Degradation in the environment is microbial only; it does not hydrolyze or photolyze in an aquatic environment. TD 2335 does not require a holding period or deactivation after use.

DIRECTIONS FOR USE

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

For control of established populations of zebra mussel in recirculating and once through cooling water systems. TD 2335 should be applied at 16.2 to 48.6 milliliters per 1000 gallons of water (equivalent to 1.0 to 3.0 ppm endothall technical) for six to twelve hours of exposure.

TD 2335 can be metered directly into the system with a positive displacement pump or into a flow of dilution water for use in a distribution header. One continuous application should be made at a convenient point of uniform mixing, such as a basin area, pump area or other reservoir or collecting area from which treated water will be circulated uniformly throughout the system.

Higher rates of application and exposure times are required for heavy populations of fouling mussels and/or with cooler water temperatures (less than 70°F).

TD 2335 has also shown potential for treating service water, auxiliary water, waste water, influent and fire protection water systems

Suspension of the blow down from cooling towers for six to twelve hours after application and/or segmenting plant-wide treatments will reduce the level of product remaining in the effluent.

ACCEPTED
with COMMENTS
in EPA Register Data:

JAN 29 1987

4581-380
EPA Reg. No. 4581-380

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 biocides 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 for your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office.

Pesticide Disposal: 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: 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.

ACCEPTED
WITH COMMENTS
in EPA Letterhead

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U.S. Environmental Protection Agency
Office of Pesticide Programs
Registration Division
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