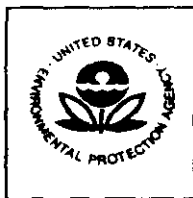


1757-109

2-13-2002

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobials Division (7510C)
401 "M" St. S.W.
Washington, D.C. 20460

EPA Reg. Number

1757-109

Date of Issuance:

Feb. 13, 2002

Term of Issuance: Conditional

Name of Pesticide Product:

Drewbrom Precursor

NOTICE OF PESTICIDE:

☒ Registration☐ Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Drew Industrial Division
One Drew Plaza
Boonton, NJ. 07005-1924

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to the 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 you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA Sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

2. Revise the EPA File symbol 1757-RNO to EPA Registration Number 1757-109.

3. Change Statement of Practical Treatment to First Aid and revise treatments as follows:

If in Eyes ■ Hold eye open and rinse slowly and gently with water for 15-20 minutes.

■ Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

■ Call a poison control center or doctor for further treatment advice.

If Inhaled ■ Move person to fresh air.

■ If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.

■ Call a poison control center or doctor for further treatment advice.

If on Skin ■ Take off contaminated clothing.

or Clothing ■ Rinse skin immediately with plenty of water for 15-20 minutes.

■ Call a poison control center or doctor for further treatment advice.

If Swallowed ■ Call a poison control center or doctor for further treatment advice.

■ Have person sip a glass of water if able to swallow.

■ Do not induce vomiting unless told to do so by the poison control center or doctor.

■ Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison center or doctor, or going for treatment. You may also contact 1 (800) 873-1138 for emergency medical treatment information.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

4. Submit two copies of the revised final printed label for our records before 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.

Signature of Approving Official:

Robert S. Brennis
Product Manager 32

Date:

FEB 13 2002

DREWBROM[®] PRECURSOR

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if absorbed through skin. Avoid contact with skin and clothing. Wash with soap and water after handling. Remove contaminated clothing and wash before reuse. Do not get into eyes.

ENVIRONMENTAL HAZARDS

This chemical is toxic to fish and aquatic organisms. 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 System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

PHYSICAL AND CHEMICAL HAZARDS

DREWBROM is not flammable. Avoid contact with strong oxidizers (other than sodium hypochlorite and chlorine), acids, alkaloidal and heavy metal salts.

STORAGE AND DISPOSAL

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

STORAGE: Store in well ventilated, dry area. Product should be stored at 50° F or above.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: [one gallon or less] Do not reuse empty container. Wrap container and put in trash.

[5 gallon or larger containers] Triple rinse the container (or equivalent), then offer for recycle, reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

FOR USE AS A DISINFECTANT, BACTERICIDE, FUNGICIDE, ALGICIDE, SLIMICIDE AND MOLLUSCICIDE IN WATER TREATMENT.

ACTIVE INGREDIENTS

Sodium Bromide..... 40.0%

INERT INGREDIENTS 60.0%

TOTAL 100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY
STATEMENTS

Prolonged eyes and skin contact may cause severe irritation.

~~STATEMENT OF PRACTICAL TREATMENT~~

First Aid

In case of contact, immediately flush eyes or skin with plenty of water. If on skin: Wash with plenty of soap and water. Get medical attention.

revise per PR 2001-1

FOR INDUSTRIAL USE ONLY
NET CONTENTS MARKET ON DRUM

EPA Est. No.: 1757-NJ-01
1757-TX-01

EPA Reg. No.: 1757-

Sold by: Drew Industrial Division
Ashland Chemical Company
Division of Ashland Inc.
One Drew Plaza
Boonton, NJ 07005

ACCEPTED
with COMMENTS
in EPA Letter Dated:

FEB 13 2002
Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.
1757-109

h/c

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.

DREWBROM is used as a disinfectant, bactericide, fungicide, algicide, slimicide, and molluscicide in recirculating and once-through cooling water systems, brewery pasteurizing systems, waste water systems, and pulp and paper mills. It is to be used in conjunction with an oxidant such as sodium hypochlorite (12.5%) or chlorine gas (99.9%) to produce the hypobromous acid. DREWBROM may be added at system inlet water or metered into the existing NaOCL piping to form a solution of sodium hypobromite. Consult your feeder manufacturer for correct procedure and proper use of the feeder equipment.

WASTEWATER. When used as directed, DREWBROM effectively disinfects wastewater effluent. The quantity of DREWBROM required varies with the degree of fouling. Add sufficient DREWBROM and chlorine or sodium hypochlorite to achieve residual bromine levels of 0.3 ppm to 1 ppm when measured approximately 5 minutes after treatment.

Depending on the construction of the wastewater system, DREWBROM can be effectively added to one or more different locations in the system. Frequently, the compound is added to wastewater receiving secondary treatment at a contact tank preceding the effluent discharge or at the influent of the final clarifier. I

The disinfection of sewage effluent must be evaluated by determining that the total number of coliform bacteria and/or fecal coliform bacteria, as determined by the MPN Procedure, of the disinfected effluent has been reduced to or below the maximum permitted by the controlling regulatory jurisdiction.

RECIRCULATING COOLING WATER SYSTEMS INCLUDING BREWERY PASTEURIZERS AND AIR WASHERS. When used as directed, DREWBROM effectively controls bacteria, fungi, algae, slimes and the growth and settlement of mollusks such as zebra mussel (*Dreissena*) or the Asiatic clam (*Corbicula*) in commercial and industrial cooling towers, heat exchange water towers, industrial water scrubbing systems (not registered in California) and influent systems such as flow-through filters, and lagoons, (not registered in California) etc.

INDUSTRIAL ONCE-THROUGH COOLING WATER SYSTEMS. When used as directed, DREWBROM effectively controls bacteria, fungi, algae, slimes and the growth and settlement of mollusks such as zebra mussel (*Dreissena*) or the Asiatic clam (*Corbicula*) in once-through and closed-cycle fresh and sea water cooling systems. Apply DREWBROM and chlorine or sodium hypochlorite to the system inlet water or before any other contaminated area in the system

DOSAGE RATES

Initial Dose: When the system is noticeably fouled, apply sufficient DREWBROM and chlorine or sodium hypochlorite to achieve a residual bromine level of 0.5-1 ppm or as needed to maintain control. A 0.5 to 2.0 mole ratio of sodium bromide to oxidant is recommended. Typically, the recommended mole ratio may be achieved by using 1.5-6.0 lbs of chlorine gas (99.9%) or 1.3-5.2 gallons NaOCL (12.5%) for each gallon of DREWBROM.

Subsequent Dose: When microbial control is evident, apply sufficient DREWBROM and chlorine or sodium hypochlorite to achieve a residual bromine level of 0.5-1 ppm or as needed to maintain control. A 0.5 to 2.0 mole ratio of sodium bromide to oxidant is recommended. Typically, the recommended mole ratio may be achieved by using 1.5-6.0 lbs of chlorine gas (99.9%) or 1.3-5.2 gallons NAOCL (12.5%) for each gallon of DREWBROM.

The product may be added to the system either continuously or intermittently or as needed to obtain the above residual level. The frequency of feeding and dosage rate will depend on the severity of the problem. It is recommended that the product be used in a manner such that the effluent discharges meet the NPDES guidelines.

IMPORTANT NOTICE: Seller warrants that the product conforms to its chemical description and is reasonable fit for the purposes stated on the label under normal conditions of use. THE FOREGOING WARRANTIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, WHETHER WRITTEN, ORAL OR IMPLIED. THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IN OTHER RESPECTS THAN AS EXPRESSLY SET FORTH HEREIN, ARE EXPRESSLY EXCLUDED AND DISCLAIMED.

NOTE: Buyer assumes all responsibility for safety and use not in accordance with directions.

NET WEIGHT MARKED ON DRUM

ACCEPTED
with COMMENTS
in EPA Letter Dated:
FEB 13 2002

Under the Federal Insecticide,
Fungicide and Rodenticide Act as
a pesticide,
EPA Reg. No.

1757-109

h/c
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ADD CORROSIVE DIAMOND (8)

CORROSIVE LIQUID,
BASIC, INORGANIC, N.O.S.

(HALOGENATED COMPLEX, SODIUM
HYDROXIDE)
UN 3266 PG IIII

ACCEPTED
with COMMENTS
in EPA Letter Dated:
FEB 13 2002

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
25 U.S.C. 1351 et seq., and
Executive Order 12761, 50 FR 49253,
10/18/85

1757-109

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