



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:

3377-25

Date of Issuance:

DEC 19 1997

NOTICE OF PESTICIDE:
Registration
 Reregistration

Term of Issuance:

Name of Pesticide Product:

Sodium Bromide 40

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Albemarle Corporation
451 Florida Street
Baton Rouge, LA 70801

Note: 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.

Based on your response to the Reregistration Eligibility Document, EPA has reregistered the above named product subject to the comments recorded in the succeeding paragraph. This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

Make the following labeling changes before you release the product for shipment:

- The signal word is "CAUTION".
- Revise the "Precautionary Statement" to read:
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.
- Under the "Statement of Practical Treatment" revise the "If on Skin" to read:
"IF on Skin": Wash with plenty of soap and water. Get medical attention.

4. Signature of Approving Official:

Robert S. Brennis, PM 32

Date:

DEC 19

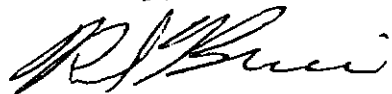
- 4. Revise the "Environmental Hazards" Statement to read:

This pesticide is toxic to fish and aquatic organisms. "Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public 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 sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA".

- 5. Change the company name from "Ethyl Corporation" to "Albemarle Corporation".

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.

Sincerely,



Robert S. Brennis
Acting Product Manager 32
Regulatory Management Branch II
Antimicrobials Division (7504C)

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMAN AND DOMESTIC ANIMALS**

WARNING

May cause irritation. Prolonged contact may cause skin irritations. Do not get into eyes.

ENVIRONMENTAL HAZARDS

Do not apply directly to lakes, streams or ponds. Do not contaminate water by cleaning of equipment or by disposal of wastes. Do not discharge into lakes, streams, ponds or public water unless in accordance with a NPDES Permit. For guidance, contact your Regional office of EPA. Use this product only as specified on this label.

PHYSICAL AND CHEMICAL HAZARDS

Sodium Bromide 40 is not flammable. Avoid contact with strong oxidizers (other than sodium hypochlorite and chlorine), acids, alkaloidal and heavy metal salts.

STORAGE AND DISPOSAL

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

DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

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.

WARRANTY

Seller makes no warranty expressed or implied concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

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SODIUM BROMIDE 40

**FOR USE AS A DISINFECTANT, FUNGICIDE,
ALGICIDE, SLICICIDE AND MOLLUSCICIDE IN WATER TREATMENT**

ACTIVE INGREDIENT:

Sodium Bromide..... 40.0%

INERT INGREDIENT:..... 60.0%

KEEP OUT OF REACH OF CHILDREN

WARNING

Prolonged eyes and skin contact may cause severe irritation.

STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

ETHYL CORPORATION
451 Florida Street
Baton Rouge, LA 70801



In case of an emergency endangering life or property involving this product, call collect (504) 344-7147.

EPA Reg. No. 3377-25
EPA Est. No. 3377-AR-1
EPA Est. No. 42403-TX-1

Net Contents.....
ACCEPTED
with COMMENTS
in EPA Letter Dated:

DIRECTIONS FOR USE

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

SODIUM BROMIDE 40 is used as a disinfectant, bactericide, fungicide, algicide, slimeicide, 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. **SODIUM BROMIDE 40** 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, **SODIUM BROMIDE 40** effectively disinfects wastewater effluent. The quantity of **SODIUM BROMIDE 40** required varies with the degree of fouling. Add sufficient **SODIUM BROMIDE 40** 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, **SODIUM BROMIDE 40** 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.

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. When used as directed, **SODIUM BROMIDE 40** 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, **SODIUM BROMIDE 40** 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 **SODIUM BROMIDE 40** and chlorine or sodium hypochlorite to the system inlet water or before any other contaminated area in the system.

DOSEAGE RATES:

Initial Dose: When the system is noticeably fouled, apply sufficient **SODIUM BROMIDE 40** 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 **SODIUM BROMIDE 40**.

Subsequent Dose: When microbial control is evident, apply sufficient **SODIUM BROMIDE 40** 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 1.6-5.0 lbs of chlorine gas (99.9%) or 1.3-5.2 gallons NaOCl (12.5%) for each gallon of **SODIUM BROMIDE 40**.

The product may be added to the system either continuously or intermittently or as needed. The frequency of feeding and duration of the treatment will depend upon 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.

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

3377-25

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DEC 19 1997