

P 1133

3377-29

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JUL 10 1992

Ethyl Corporation
451 Florida Street
Baton Rouge, LA 70801

Attn: Louise L. Wen

Subject: Sodium Bromide 45
EPA Registration No. 3377-29
Your Amendment of February 4, 1992

Your amendment request to change the active ingredient declaration from the lower certified limit to the nominal concentration and to add additional pests for previously accepted sites, as well as use claims for brewery, pasteurizing, pulp and paper mill water systems, and air washer systems to the product label has been reviewed. Please note the following.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. A stamped copy is enclosed for your records.

- Delete the use claim on the amended label for air washers. Data must be provided in accordance with the EPA protocol, (copy enclosed), developed specifically for this use pattern in order for this use pattern to be accepted.

- The change in the label claim from the lower certified limit to the nominal concentration is in compliance with PR Notice 91-2. The proposed change is supported by the analysis of five different batch samples and would be acceptable. A revised and updated Confidential Statement of Formula reflecting the proposed change must be submitted.

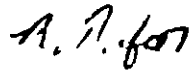
- The change in product name from "Sodium Bromide 44" to "Sodium Bromide 45" is acceptable.

CONCURRENCES

SYMBOL							
SURNAME							
DATE	JUL 10 1992						

If you should have any questions concerning this letter, you may call Robert Travaglini on (703) 305-6909.

Sincerely,



Ruth G. Douglas
Product Manager 32
Antimicrobial Program Branch
Registration Division (H7504C)

SODIUM BROMIDE 45

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

ACTIVE INGREDIENT:

Sodium Bromide-----45.0%

INERT INGREDIENTS:-----55.0%

KEEP OUT OF REACH OF CHILDREN

WARNING

Prolonged eye 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.

ACCEPTED
with COMMENTS
in EPA Letter Dated

ETHYL CORPORATION
451 Florida Street
Baton Rouge, LA 70801

APR 10 1982
Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide
registered under EPA Reg. No.

3377-29

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

EPA REG. NO. 3377-29
EPA EST. NO. 3377-AR-1
EPA EST. No. 42403-TX-1

Net contents _____ lbs.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMAN AND DOMESTIC ANIMALS

WARNING

May cause irritation. Prolonged contact may cause skin irritation. 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 45 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 if allowed by state and local authorities, by burning. Burn only if allowed, and if burned, stay out of smoke.

DIRECTIONS FOR USE

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

SODIUM BROMIDE 45 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. SODIUM BROMIDE 45 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 45 effectively disinfects wastewater effluent. The quantity of SODIUM BROMIDE 45 required varies with the degree of fouling. Add sufficient SODIUM BROMIDE 45 and chlorine or sodium hypochlorite to achieve residual bromine levels of 0.3 ppm to 2 ppm when measured approximately 5 minutes after treatment.

Depending on the construction of the wastewater system, SODIUM BROMIDE 45 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 AIR WASHERS, AND BREWERY PASTEURIZERS. When used as directed, SODIUM BROMIDE 45 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 system such as flow through filters, and lagoons, etc.

INDUSTRIAL ONCE-THROUGH COOLING WATER SYSTEMS. When used as directed, SODIUM BROMIDE 45 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 45 and chlorine or sodium hypochlorite to the system inlet water or before any other contaminated area in the system.

BEST AVAILABLE

DOSAGE RATES:

Initial Dose: When the system is noticeably fouled, apply sufficient SODIUM BROMIDE 45 and chlorine or sodium hypochlorite to achieve a residual bromine level of 0.5 to 2 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 1.8 to 7.6 lbs of chlorine gas (99.9%) or 1.5 to 6.2 gallons NaOCl (12.5%) for each gallon of SODIUM BROMIDE 44.

Subsequent Dose: When microbial control is evident, apply sufficient SODIUM BROMIDE 45 and chlorine or sodium hypochlorite to achieve a residual bromine level of 0.5 to 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 1.8 to 7.6 lbs of chlorine gas (99.9%) or 1.5 to 6.2 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.

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.