

3377-49 04/20/2000 1/3
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Albemarle Corporation
451 Florida Street
Baton Rouge, LA 70801

APR 20 2000

Subject: BQ451-5-WW Biocide
EPA Registration No. 3377-47

BEQ442-5-W Biocide
EPA Registration No. 3377-49

BQ1455 Biocide
EPA Registration No. 3377-51

BQ1455P Algicide
EPA Registration No. 3377-56

Amendment Date: 1/19/00
EPA Receive Date: 1/21/00

Attention: Mr. John Hebert,
Consultant

The amendments referenced above, submitted in connection with registration under FIFRA, as amended, to update the acute inhalation precautionary and first aid statements in response to 6(a)(2) data are acceptable provided you address the following comments before you release these products for shipment.

The "Precautionary Statements" and "Statements of Practical Treatment" will need to be revised to reflect the 6(a)(2) acute inhalation data. Based on a review of the data, this product is Category II for acute inhalation toxicity. Therefore, the appropriate acute inhalation statements; "May be fatal if inhaled. Do not breath spray mist. Wear a dust mist filtering respirator (MSHA/NIOSH approval # prefix TC-21C)," will need to be added to the Precautionary Statements. You should also refer to PR Notice 98-9 to assist you with the accurate respirator language. Also, the "Statements of Practical Treatment" will need to be revised by adding the

CONCURRENCES							
SYMBOL	2570C						
SURNAME	Campbell						
DATE	4/20/00						

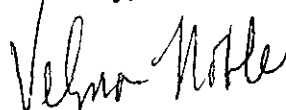
following: *"IF INHALED: Remove victim to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth. Call a poison control center or doctor for further treatment advice."*

As you are aware, a substantially different acute toxicity profile was developed when reviewing your 6(a)(2) submission for this product than the one in an Agency letter dated April 6, 1999. It is our understanding that you have conducted acute toxicity studies for several of your products. These studies must be submitted in order to resolve the differences between the two Agency Acute Toxicity Profiles. Please submit these studies within 60 days from the date of this letter.

On April 11, 2000, The Agency published PR Notice 2000-3, First Aid Statements for Pesticide Product Labels. You will need to revise your "Statements of Practical Treatment" accordingly. It is the Agency's goal to have all the product labels revised by October 1, 2001.

A stamped copy of the label is enclosed for your records. You will need to submit one copy of the final printed label before you release this product for shipment. If you have any questions regarding this letter, please contact Jacqueline Campbell at (703) 308-6416.

Sincerely,



Velma Noble
Product Manager (31)
Regulatory Management Branch I
Antimicrobials Division (7510C)

Enclosure: PR Notice 2000-3

DIRECTIONS FOR USE:

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

Do not use water containing residues from use of this product to irrigate crops used for food or feed. Use of the product in either public/municipal or single or multiple family private/residential potable/drinking water systems is strictly prohibited. Use of this product in any cooling water system that discharges effluent within 1/4 mile of either a public/municipal or single or multiple family private/residential potable/drinking water intake is strictly prohibited. To control algae and bacterial slimes use BEQ442-5-W as directed. For best results use slug feed. The frequency of addition of microbiocide needed depends on many factors. To optimize your use of BEQ442-5-W, follow this procedure

INDUSTRIAL AND/OR COMMERCIAL

RECIRCULATING COOLING WATER TOWERS

1. Initially use 6 fluid ounces per 1,000 gallons of water to be treated (20 ppm active Quaternary). Should the above dosage not give satisfactory results, use 9 fluid ounces per 1,000 gallons of water. Repeat the initial dose every seven days or increase the frequency if needed.
2. When the above treatment level is successful use 2 to 3 fluid ounces per 1,000 gallons of water to maximize efficacy. Repeat weekly as needed. Should slime develop again, go back to initial dosage.

Cooling towers that are inherently low in algae growth and bacteria count may be adequately controlled by the lower range of these dosages; slug fed for every seven days.

Dilute the appropriate amount of BEQ442-5-W in 1 or 2 gallons of water, then add to the tower. Note, this product weighs 8.00 lbs. per gallon (at 20°C).

Should tower be heavily fouled, a precleaning is required.

ONCE THROUGH FRESH WATER COOLING SYSTEM

1. Wear safety glasses, rubber gloves, and impervious apron.
2. Add product directly from drum or add the product at a point where it will mix uniformly.
3. To reduce foaming, mix 2 parts of water to 1 part of product.
4. 0.15 to 1.5 fluid ounces (1-10 ppm on an active quaternary basis) per thousand gallons.
5. Do not discharge without performing proper deactivation. To perform deactivation use Bentonite Clay. The minimum ratio to be used is 5 ppm of clay to 1 ppm of product.
6. Do not use product more than 4 times per year.
7. Treatment time can not exceed 120 hours/application.
8. Avoid oxidizers and reducing agents.
9. Product is cationic and should not be mixed with soap or anionic surfactants.

ALBEMARLE® BEQ442-5-W BIOCIDE

A Water Treatment Microbiocide for Recirculating Cooling Water Tower and Molluscs in Once Through Fresh Water Cooling Systems.

ACTIVE INGREDIENTS:

Alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈) dimethyl benzyl ammonium chloride	25.0%
Alkyl (68% C ₁₄ , 32% C ₁₆) dimethyl ethyl benzyl ammonium chloride	25.0%

INERT INGREDIENTS:	50.0%
TOTAL:	100.0%

KEEP OUT OF REACH
OF CHILDREN

DANGER

See right panel for additional precautionary statements

STATEMENT OF PRACTICAL TREATMENT

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 immediately. Drink promptly a large quantity of egg whites, gelatin solution, milk, or if these are not available, drink large quantities of water. Do not induce vomiting or give anything by mouth to an unconscious person. 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.

ALBEMARLE 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.

Batch No.

EPA Reg. No. 3377-49
EPA Est. No. 10324-IL-1

Net Contents

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS

DANGER

KEEP OUT OF REACH OF CHILDREN
CORROSIVE

Causes irreversible eye damage and skin burns. Harmful if absorbed through skin. Do not get in eyes, on skin, or on clothing. May be fatal if inhaled. Do not breathe vapor. Wear a mask or pesticide respirator jointly approved by the Mine Safety and Health Administration and the National Institute for Occupational Safety and Health. May be fatal if swallowed. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash before reuse.

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 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 OR CHEMICAL HAZARDS

Do not use or store near heat or open flame. Do not mix with soap or anionic materials.

STORAGE AND DISPOSAL

1. PROHIBITIONS Do not store near heat or open flame. Do not contaminate water, food or feed by storage or disposal. 2. SPILL OR LEAK PROCEDURES Small spills may be mopped up, flushed away with water, or absorbed on some absorbent material and incinerated. Large spills should be contained, the material then moved into containers and disposed of by approved methods for hazardous wastes.

3. PESTICIDAL 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 the 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.

5. CONTAINER DISPOSAL

Metal Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

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

6. TANK CLEANING Transport tanks and equipment should be thoroughly drained and rinsed with water to properly remove all traces of product. Dispose of washings as indicated under Pesticide Disposal. Liquid and solid residues are hazardous.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

APR 20 2000

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 3377-49

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