

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

APR 20 2000

Albemarle Corporation  
451 Florida Street  
Baton Rouge, LA 70801

Subject: BQ451-5 Biocide  
EPA Registration No. 3377-31

BEQ442-8 Biocide  
EPA Registration No. 3377-40

BEQ442-5 Biocide  
EPA Registration No. 3377-41

AC76-5 Biocide  
EPA Registration No. 3377-44

BQ451-8 Biocide  
EPA Registration No. 3377-45

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

CONCURRENCES

SYMBOL:	75132						
SURNAME:	Capelle						
DATE:	4/20/00						

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 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. 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.

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.

Currently, the Agency is developing a Manufacturing Use Product (MUP) labeling policy for end use sites. You may recall during the August 13, 1998 meeting between the Agency and Albemarle, we discussed the listing of all end-use sites for which end use materials/products may be reformulated on the MUP labels. Once this policy is approved, you will be required to revise all your MUP labels according to the policy.

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

**PRECAUTIONARY  
STATEMENTS  
HAZARDS TO HUMANS  
& DOMESTIC ANIMALS  
DANGER  
CORROSIVE**

Causes irreversible eye damage and skin burns. Harmful if absorbed through skin. Do not get in eyes, or 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.

**FIRST AID**

**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 SWALLOWED:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching the back of the throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

**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.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, ponds, streams, 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.

# ALBEMARLE BEQ442-5 BIOCIDE

**FOR USE BY MANUFACTURERS ONLY  
IN FORMULATING SANITIZERS, DISINFECTANTS  
AND WATER TREATMENT MICROBICIDES**

**ACTIVE INGREDIENTS**

n-Alkyl (60% C <sub>14</sub> , 30% C <sub>16</sub> , 5% C <sub>12</sub> , 5% C <sub>18</sub> )	
dimethyl benzyl ammonium chloride	25.0%
n-Alkyl (68% C <sub>12</sub> , 32% C <sub>14</sub> )	
dimethyl ethyl benzyl ammonium chloride	25.0%

<b>INERT INGREDIENTS:</b>	<b>50.0%</b>
<b>TOTAL:</b>	<b>100.0%</b>

**KEEP OUT OF REACH OF  
CHILDREN  
DANGER**

See left panel for additional precautionary statements

**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.

EPA Reg. No. 3377-41  
EPA Est. No. 071728-IL-001

Batch No.

Net Contents

**DIRECTIONS FOR USE**

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

**For Manufacturing Use Only**

Formulators using this product are responsible for EPA registration of their formulated products.

**STORAGE AND  
DISPOSAL**

**1. PROHIBITIONS**

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

**2. STORAGE INSTRUCTIONS**

Store in original container. Keep from freezing.

**3. 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.

**4. 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 instruction, 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) 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, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of the smoke.

**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. 3377-41

5/99

3/3