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4-20-2000

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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	750e						
SURNAME	Campbell						
DATE	4/20/00						

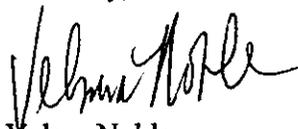
following: *"IF INHALED: Remove victim to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth. Call a poison control center or doctor for further treatment advice."*

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

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

Causes irreversible eye damage and skin burns. 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 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.

**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.

Do not use water containing residue from use of this product to irrigate crops used for food or feed.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

# ALBEMARLE® BQ1455P ALGICIDE

**FOR USE TO CONTROL AND PREVENT ALGAE GROWTH  
AND TO MAINTAIN CLEAR WATER IN  
SWIMMING POOLS**

**ACTIVE INGREDIENTS:**

n-Alkyl (95% C<sub>14</sub>, 3% C<sub>12</sub>, 2% C<sub>16</sub>)  
dimethyl benzyl ammonium chloride ..... 55.0%

**INERT INGREDIENTS:** ..... 45.0%

**TOTAL:** ..... 100.0%

**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 (225) 344-7147.

EPA Reg. No. 3377-56  
EPA Est. No. 071728-IL-001

Batch No. Net Contents

9/99

**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. 3377-56

P/W

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Please read entire label and use strictly in accordance with precautionary statements and directions.

This product is formulated to complement most swimming pool sanitizers. BQ 1455 P Algicide is not a stand alone product, it must be used with either halogen based or non-halogen based pool sanitizers. This product supports your overall pool chemical maintenance program, offering a residual effectiveness that protects your pool against algae formation while keeping your pool water sparkling clear. This product protects the unattended pool when you're away (refer to "Vacation Treat" section in Directions For Use).

### INSTRUCTIONS FOR USE WITH HALOGEN BASED POOL SANITIZERS

This product is formulated to complement most swimming pool sanitizers. When using other products as outlined in Directions For Use for this product, always follow Directions For Use on those products.

This product is effective against the growth of algae. This product is efficient and non-staining when used as directed. This product will not evaporate and its algae fighting abilities actually increase as pool water temperature increases.

Ensure all pool equipment is working properly. Backwash the filter system following manufacturer's directions. Adjust pH between 7.2-7.6. Adjust chlorine residual to 1-3 ppm. In a chlorine treated pool, add stabilizer to establish a minimum level of 40-50 ppm to reduce the degradative effects of sunlight upon the chlorine residual. Check for metals and if present add stain and scale inhibitor to prevent staining of pool surface due to metals. Check chlorine residual and adjust to 1-3 ppm. Add BQ1455P Algicide directly into pool by pouring around entire outside perimeter of pool. Allow the filter to run for at least six (6) hours after adding Algicide. During this period, swimmers should not be allowed into the water.

### INITIAL APPLICATION WHEN ALGAE ARE VISIBLE;

1. Backwash the filter thoroughly
2. Vacuum algae debris to waste and thoroughly brush pool.
3. Pour 36 ounces (6 ppm) directly into pool per 25,000 gallons of water.

4. Brush the pool daily for the next 5 days and vacuum accumulated dead algae to waste.
5. If Algae are still present repeat steps 3 and 4.
6. Once algae is under control, clean filter and return to normal operation. (See Routine maintenance)

INITIAL APPLICATION OR WHEN POOL WATER IS CHANGED, OR WHEN ALGAE ARE NOT VISIBLE; Pour 24 ounces (4 ppm) directly into pool per 25,000 gallons of water.

### FOR ROUTINE MAINTENANCE: (ONLY ONE OR BOTH OF THESE STATEMENTS MAY BE USED)

For weekly application intervals, use 1 ounce per 5,000 gallons of water. For two week application intervals, use 2 ounces per 5,000 gallon of water every other week. Following heavy rain showers, add an additional 1 ounce per 5,000 gallons.

TO "VACATION TREAT" your pool (when away for one week or more): add 3 ounces (2 ppm) of this product per 5,000 gallons for every week unattended. Pour product around the edges of the shallow end of the pool if shock is also being applied in the deep end of pool.

### [OPTIONAL INSTRUCTIONS FOR USE WITH NON-HALOGEN BASED POOL SANITIZERS]

This product is formulated to complement swimming pool water being treated with the BioGuard SoftSwim System, Bacquacil and other non-halogen systems. When using other products as outlined in Directions For Use for this product, always follow Directions For Use on those products. This product is efficient and non-staining when used as directed. This product will not evaporate and its algae fighting abilities actually increase as pool water temperature increases. The residual effectiveness of this product tends to stabilize the total chemical treatment system.

Ensure all pool equipment is working properly. Backwash the filter system following manufacturer's directions. Adjust pH to between 7.2-7.6. Check for metals and if present add stain and scale inhibitor to prevent staining of pool surface due to metals.

Add BQ1455P Algicide directly into pool by pouring around entire outside perimeter of pool. Allow the filter to run for at least six (6) hours after adding Algicide. During this period, swimmers should not be allowed into the water.

### INITIAL APPLICATION WHEN ALGAE ARE VISIBLE;

1. Backwash the filter thoroughly
2. Vacuum algae debris to waste and thoroughly brush pool.
3. Treat the pool with 36 ounces (6 ppm) directly into pool per 25,000 gallons of water.
4. Brush the pool daily for the next 5 days and vacuum accumulated dead algae to waste.
5. If Algae are still present repeat steps 3 and 4.
6. Once algae is under control, chemically clean filter and return to normal

FOR AN INITIAL APPLICATION WHEN POOL WATER IS CHANGED, OR WHEN ALGAE ARE NOT VISIBLE,

Pour 24 ounces (4 ppm) directly into pool per 25,000 gallons of water.

### FOR ROUTINE MAINTENANCE: (ONLY ONE OR BOTH OF THESE STATEMENTS MAY BE USED)

For weekly application intervals, use 1 ounce per 5,000 gallons of water.

For two week application intervals, use 2 ounces per 5,000 gallons of water every other week.

Following heavy rain showers, add an additional 1 ounce per 5,000 gallons.

TO DETERMINE POOL CAPACITY: Rectangular Pools - Length times width time average depth (in feet) times 7.5 equals gallons. Round and Oval Pools - Long diameter times short diameter times average depth (in feet) times 5.9 equals gallons.

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. 3377-56

h/h