

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Albemarle Corporation  
451 Florida Street  
Baton Rouge, LA 70801

OCT 19 2000

Subject: BQ 1445 Biocide  
EPA Registration No. 3377-51  
Amendments Dated: 4/28/00 and 7/31/00  
EPA Receive Dates: 5/03/00 and 8/10/00

Attention: Ms. Ann Oxford

The amendments, referenced above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A) to update the Confidential Statements of Formulas and the label's precautionary and first aid statements are acceptable provided you address the following comments before you release this product for shipment.

**Product Chemistry**

The Confidential Statements of Formulas for the basic and six alternate formulations dated 7/28/00 are acceptable. They are in compliance with PR Notice 91-2 and in agreement with the label. The increase in solvent is also acceptable.

**Acute Toxicology**

The submitted study, MRID No. 451136-04, satisfies subdivision F guideline requirement for acute oral study 870.1100 (81-1) in the rat. This product is classified as toxicity category III based on the oral LD<sub>50</sub> of 414.1 mg/kg for females.

The study in MRID No. 451092-02 fulfills subdivision F guideline requirement for acute dermal study 870.1200 (81-2) in the rat. Based on the dermal LD<sub>50</sub> of greater than 2000 mg/kg combined (males and females), this product is placed in toxicity category III.

The study, MRID No. 451092-01, is acceptable in supporting subdivision F guideline requirement for primary skin irritation study 870.2500 (81-5) in the rabbit. This product is corrosive and is in toxicity category I for primary skin irritation.

The study in MRID No. 451092-03 meets subdivision F guideline requirement for dermal sensitization study 870.2600 (81-6). This product is not a dermal sensitizer.

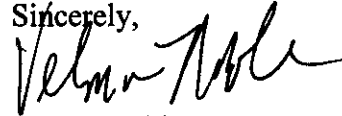
**CONCURRENCES**

|         |  |  |  |  |  |  |  |  |
|---------|--|--|--|--|--|--|--|--|
| SYMBOL  |  |  |  |  |  |  |  |  |
| SURNAME |  |  |  |  |  |  |  |  |
| DATE    |  |  |  |  |  |  |  |  |

Acute Toxicology Profile

| <u>Guideline</u>          | <u>MRID No.</u> | <u>Toxicity Category</u> |
|---------------------------|-----------------|--------------------------|
| Acute oral toxicity       | 451136-04       | III                      |
| Acute dermal toxicity     | 451136-02       | III                      |
| Acute inhalation toxicity | 449098-01       | II                       |
| Primary eye irritation    | waived          | I                        |
| Primary skin irritation   | 451136-01       | I                        |
| Dermal sensitization      | 451136-03       | non-sensitizer           |

A stamped copy of the label is enclosed. You will need to submit one copy of the final printed label to the Agency before this product is release 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: Acute Toxicology Data Evaluation  
 Stamped label

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

**DANGER:** Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. May be fatal if swallowed or inhaled. Do not breathe spray mist. Wear a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C). Harmful if absorbed through skin. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly with soap and water after handling. Remove clothing and wash before reuse.

**FIRST AID**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.  
**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.  
**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.  
**If swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.  
**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**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, 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. Apply this pesticide only as specified on the label.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

# ALBEMARLE® BQ1455 BIOCIDE

**FOR USE BY MANUFACTURERS ONLY  
IN FORMULATING SWIMMING POOL ALGICIDES**

**ACTIVE INGREDIENT:**

N-Alkyl (95% C<sub>14</sub>, 3% C<sub>12</sub>, 2% C<sub>10</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. 3377-51  
EPA Est. No. 071728-IL-001

Batch No. \_\_\_\_\_ Net Contents \_\_\_\_\_

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

OCT 19 2000

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 3377-51

**DIRECTIONS FOR USE**

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

**FOR MANUFACTURERS USE ONLY**

Formulators using this product are responsible for EPA registration of their formulated products. Formulators are required to add the following label statements to their end use product labels. Do not use water containing residue from use of this product to irrigate crops used for food or feed.

**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. PESTICIDE 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 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**

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 smoke.