

PM 31

3377-47

9-25-98

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 M St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:  
3377-47

Date of Issuance:  
9/25/98

NOTICE OF PESTICIDE:  
 Registration  
 Reregistration

Term of Issuance:  
Conditional

Name of Pesticide Product:  
BQ451-5-WW Biocide

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Albemarle Corporation  
451 Florida Street  
Baton Rouge, LA 70801

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following label changes:
  - a. Revise the EPA Registration Number to read, "EPA Reg. No. " 3377-47.
  - b. The preferred nomenclature for the active ingredient is "Alkyl" not "n-alkyl."
  - c. Add descriptive headers to both the Sap stain section and to the Wood Treatment Preservation section.
  - d. Delete the phrase: "...concentrated biocide.." from the first sentence under the Wood Preservation section.

Signature of Approving Official:

Velma Noble  
Product Manager 31  
Regulatory Management Branch I  
Antimicrobials Division

Date:

SEP 25 1998

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- e. In the Wood Preservation section, the second sentence phrase, "untreated wood articles", should be revised to "...treated wood articles..."
  - f. Under the Double Vacuum section, the following sentences should be added after the fourth sentence. "Allow the pressure to return to atmospheric conditions and discharge the preservative solution. Reduce the pressure to -20 inches and maintain for 20 minutes. Allow the pressure to return to atmospheric and remove treated wood articles."
  - g. Separate the "Application Safety" paragraph from the "Double Vacuum" paragraph.
  - h. Changes to "Precautionary Statements"
    1. The first sentence should be revised to "causes irreversible eye damage and skin burns" because the primary eye and skin irritation toxicology is Category I.
    2. Since the acute oral toxicology is Category II, the fourth sentence should be revised to "may be fatal if swallowed."
  - i. Changes to "Practical Treatment" Statements
    1. IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.
    2. IF ON SKIN: Wash with plenty of soap and water. Get medical attention.
    3. For the IF SWALLOWED statement, Call a physician immediately should be the first sentence and add the statement, "Do not induce vomiting or give anything by mouth to an unconscious person." Also, milk should be included in the options. (IE: eggwhites or gelatin solution)
  - j. Under the "Physical or Chemical Hazards" section, add the following statement, "Do not mix with soap or anionic materials."
  - k. Under the "Once through fresh water cooling system" Directions for Use, the blank space in the ninth (9) bullet should be "cationic".
3. Submit two copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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A stamped copy of the label is enclosed for your records.

<p>Signature of Approving Official: <i>Velma Noble</i> Velma Noble Product Manager 31 Regulatory Management Branch I Antimicrobials Division</p>	<p>Date: <b>SEP 2 1974</b></p>
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**PRECAUTIONARY STATEMENTS**  
**DANGER**  
**HAZARDS TO HUMANS**  
**& DOMESTIC ANIMAL**

**KEEP OUT OF REACH OF CHILDREN**  
**CORROSIVE**

Causes severe eye and skin damage. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food. Wash thoroughly with soap and water after handling. 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.

**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 residue 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 the 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.

**INITIAL APPLICATION FOR**  
**INDUSTRIAL AND/OR COMMERCIAL**  
**RECIRCULATING COOLING WATER TOWERS**  
 (To A Clean System)

This dose should be poured into the sump of a system which is clean or in which growth is first noticed. 5.25 to 10.25 fluid ounces (20 to 40 ppm on an active quaternary basis) per 1000 gallons of contained water. When heavy algae growth is present, system will have to be cleaned manually.

**SUBSEQUENT APPLICATION**

1.33 to 3.85 fluid ounces (5 to 15 ppm on an active quaternary basis) per 1000 gallons of contained water. The above directions should be followed twice weekly or as needed. If algae growth is noticeable, apply the initial dose.

**ALBEMARLE®**  
**BQ451-5-WW**  
**BIOCIDES**

ALBEMARLE BQ451-5 BIOCIDES for Control of Algae and Algae Slime Growth in Industrial and/or Commercial Recirculating Cooling Water Towers and Molluscs in Once Through Fresh Water Cooling Systems and Mold, Mildew and fungi in sap stains and Wood Preservatives.

**ACTIVE INGREDIENTS:**  
 n-Alkyl (50% C<sub>12</sub>, 40% C<sub>10</sub>, 10% C<sub>8</sub>) dimethyl benzyl ammonium chloride . . . 50.0%  
 . . . . . 50.0%  
**TOTAL:** . . . . . 100.0%  
 Weight Approx. 8 lbs./gallon

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER**

**Statement of Practical Treatment**

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before use.

If swallowed, drink promptly a large quantity of egg whites, gelatin solution; or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

**NOTE TO PHYSICIAN**

Probable mucosal damage may contraindicate the use of gastric lavage.

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-UT  
 EPA Est. No. 10324-IL-1

**ONCE THROUGH FRESH WATER COOLING SYSTEM**  
 impervious apron.

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 be mixed 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 and should not be used with soap or anionic surfactants.

For the control of mold and fungus on green or freshly cut lumber. May be used in a dip or spray application. Before at rate of 25-100 gallons of water per gallon of this product. Seasonal variations in storage and shipping conditions, species and condition of wood should be considered in a manner that ensures that all surfaces are uniformly treated.

For best results, green wood should be treated immediately, at least within twenty-four hours after cutting or sawing. Mold and fungus growth begins much less effective and delayed treatment is concentration. Green, untreated lumber should not be used for stickers.

Freshly treated lumber should not be allowed to remain unprotected in heavy rains. Dip tanks and drip aprons must be roofed, paved and drained to prevent dilution and loss of the anti-stain solution.

This product is concentrated biocide for use in the formulation of wood preservative product. When used as directed, formulations produced from this product will protect untreated wood articles from the destructive attack of fungi, mold or mildew. Treatment can be done by pressure or double vacuum. Wood articles that will be protected by these treatments would include millwork, construction timbers, decking, wood Shingles, posts and other articles to be used in above ground applications. Dilute this product in either water or mineral spirits solution to produce a 0.5% to 3.0% active solution. This formulation is to be used for both pressure and double vacuum treatment.

**PRESSURE TREATMENT**

Place the wood articles to be treated into the pressure cylinder and seal unit. Treat the wooden articles using the pressure treatment procedures consistent with the equipment being used and standard treatment practices. Treatment conditions should be such as to produce a 0.1 to 0.6 lb./cu. Foot retention in the treated article. Such treated wood is to be used for above ground uses only.

**DOUBLE VACUUM**

Stack the wooden articles to be treated in the treatment vessels so that the preservative solution will have access to all sides of the articles. Seal the vessel. Reduce the pressure within the vessel to 10 inches for five minutes. Cover all the articles with preservative solution. Allow the pressure low the pressure to return to atmospheric and remove treated wooden articles. Treatment conditions should be such as to produce a 0.1 to 0.6 lb./cu. Foot retention in the treated article. Wood treated to this retention is suitable for above-ground use only. Applications must wear gloves impervious to the wood treatment formulation in all situations where dermal contact is expected (i.e. handling freshly treated wood and manually opening cylinder doors.)

Individuals who enter pressure treatment cylinders and other related equipment that are contaminated with the wood treatment solution (e.g. cylinders that are in operation or are not free of the treatment solution) must wear protective clothing including overalls, jacket, gloves, and boots, impervious to the wood treatment formulation. Federal, State and local confined space entry procedures need to be taken.

Applications must not eat, drink or use tobacco products during those parts of the application process that may expose them to the wood treatment formulation (e.g. manually opening/closing cylinder doors, moving fans out of cylinders, mixing chemicals, handling freshly treated wood). Wash thoroughly after skin contact and before eating, drinking, use of tobacco product, or using restroom.

Protective clothing must be changed when it shows signs of contamination. Appropriate must leave protective clothing and workshoes or boots and equipment at the plant. Worn out protective clothing and workshoes and boots must be left at the plant and disposed of in a manner approved for pesticide disposal and in accordance with State and Federal regulations.

**ACCEPTED**  
**with COMMENTS**  
**in EPA Letter Dated:**

**SEP 25 1998**

Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act as  
 amended, for the pesticide,  
 registered under EPA Reg. No. 3377-47

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**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 CONTAINERS AND PLACE IN LOCKED STORAGE AREA. KEEP FROM FREEZING.

**3. SPILL OR LEAK PROCEDURE**

SMALL SPILLS MAY BE MOPPED UP OR FLUSHED AWAY WITH WATER OR ABSORBED ON SOME ABSORBENT MATERIAL AND INCINERATED.

**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 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**

TRIPLE RINSE (OR EQUIVALENT), THEN OFFER FOR RECYCLING OR RECONDITIONING, OR PUNCTURE AND DISPOSE OF IN A SANITARY LANDFILL OR OTHER PROCEDURES APPROVED BY STATE AND LOCAL AUTHORITIES.

Net Contents

Batch No.

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with **COMMENTS**  
in EPA Letter Dated:

SEP 25 1998

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
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