

1839-210

12/9/2013

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

DEC 9 2013

Mr. Thomas W. Isaac  
Senior Regulatory Specialist  
Stepan Company  
22 W. Frontage Rd.  
Northfield, Illinois 60093

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Subject: **BQ451-1P ALGICIDE**  
EPA Registration Number 1839-210  
Application Dated September 1, 2013  
EPA Received September 17, 2013

Dear Mr. Isaac:

The following amendment submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable.

**Proposed Amendment:**

- Revised Container Disposal Statement

**General Comments:**

Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

The next label printing of this product must use this labeling unless subsequent changes have been approved. You must submit one (1) copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and it's implementing regulation at 40 CFR 152.3.

Should you have any questions or comments concerning this letter, please contact Drusilla Copeland at (703) 308-6224.

Sincerely,

A handwritten signature in black ink, appearing to read "Velma Noble".

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

Enclosure: stamped label

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# BQ451-1P ALGICIDE

Controls Algae and Algae Slime Growth in Swimming Pools to Improve the Appearance and Cleanliness of Pools during the Swimming Season and as a Winterization Package.

**ACTIVE INGREDIENT:**

Alkyl (50% C<sub>14</sub>, 40% C<sub>12</sub>, 10% C<sub>16</sub>)  
dimethyl benzyl ammonium chloride..... 10.0%

**INERT INGREDIENTS:** ..... 90.0%  
**TOTAL**.....100.0%

**KEEP OUT OF REACH OF CHILDREN**

## DANGER

**FIRST AID**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**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 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 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 the 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 by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**(OPTIONAL)** You may contact xxx/xxx-xxxx for emergency medical treatment information.

**NOTE TO PHYSICIAN**

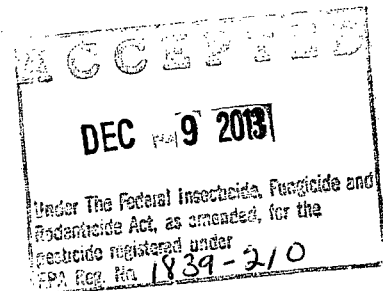
Probable mucosal damage may contraindicate the use of gastric lavage.

See side panels for additional precautionary statements.

EPA REG. NO. 1839-210  
EPA EST. NO. 1839-IL-01

**STEPAN COMPANY**  
22 W. Frontage Road  
Northfield, IL 60093

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## DIRECTIONS FOR USE

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

BQ451-1P Algicide is effective in controlling the growth of the following types of algae: *Chlorella pyreoidosa* (green algae), *Phormidium inumdatum* (blue-green algae) and *Phormidium ritzi*.

Ensure all equipment is working properly. Backwash the filter system following manufacturer's directions. Adjust pH between 7.2 - 7.6. Check for heavy metals and if present add stain and scale inhibitor to prevent staining of pool surface due to metals. For best results, pool should be free of algae before adding BQ451-1P Algicide. The filter should be circulating the pool water when adding the algicide. Add BQ451-1P Algicide directly to the pool by pouring around entire outside perimeter of pool. Allow the filter to run for at least six (6) hours after adding the algicide. During this period, swimmers/bathers should not be allowed in the water.

**Initial Application: Original filling or when algae are not visible.**

Add one (1) quart of BQ451-1P Algicide per 12,500 gallons of pool water (2 ppm active quaternary).

**Initial Application: If algae are visible.**

Add four (4) quarts of the algicide per 12,500 gallons of pool water (8 ppm active ingredient) followed by cleaning out of dead, settled algae. Then add one (1) quart of algicide immediately following clean out to control further algae growth.

**Maintenance Dose Application:**

Add one-half (1/2) pint of BQ451-1P Algicide per 12,500 gallons of pool water every three to five days.

**Booster Application:**

Add two (2) quarts of BQ451-1P Algicide per 12,500 gallons of pool water when bather load is heavy or after prolonged rainfall.

**Winterization Application:**

Add one (1) quart of BQ451-1P Algicide per 12,500 gallons of water (in treating water left in pool). This dose helps provide a measure of control of algae growth during the winter months. This treatment will also help the servicing of the pool before it is returned to use the following season.

**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. Harmful if absorbed through the skin. Harmful if inhaled. 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 clothing before reuse.

*(Note: If container size is of 5 gallons or greater, the following Environmental Hazards statement must be used.)*

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

**STORAGE AND DISPOSAL**

**DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.**

**STORAGE** – Store in original container. Keep from freezing

**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.

*(For Industrial, Institutional, Commercial Products)*

**CONTAINER DISPOSAL** – Nonrefillable container. Do not reuse or refill this container.

Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after flow begins to drip. Fill container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

*(For Household/Residential Products)*

**CONTAINER DISPOSAL** - Nonrefillable container. Do not reuse or refill this container. Wrap container and discard in trash. Offer for recycling, if available. Store in original container in a locked storage area inaccessible to children.