

1839-206

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

07/09/2013

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JUL 9 2013

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

Subject: **BEQ442-5-W Biocide**
EPA Registration Number 1839-206
Application Dated April 26 2013
EPA Received April 29, 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:

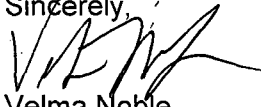
- Revised proposed container disposal statements for compliance with PR Notice 2007-4

General Comments:

A stamped copy of the acceptable labeling is enclosed. Submit one (1) copy of your final printed labeling before distributing or selling the product bearing the revised labeling.

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

Sincerely,



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

Enclosure: stamped label

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

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BEQ442-5-W BIOCIDES

For control of Algae and Algae Slime Growth in Industrial and/or Commercial Recirculating Cooling Water Towers and in Once Through Fresh Water Cooling Systems and for control of Molluscs in Once Through Fresh Water Cooling Systems(use not approved in the State of California)

ACTIVE INGREDIENTS:

Alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈)	
dimethyl benzyl ammonium chloride.....	25.0%
Alkyl (68% C ₁₂ , 32% C ₁₄)	
dimethyl ethyl benzyl ammonium chloride	25.0%

INERT INGREDIENTS:	50.0%
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

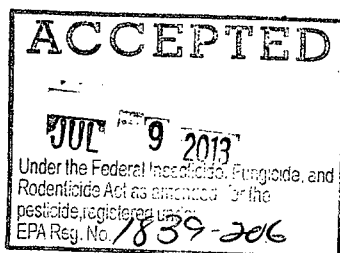
Probable mucosal damage may contraindicate the use of gastric lavage.

See side panels for additional precautionary statements.

EPA REG. NO. 1839-206
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.

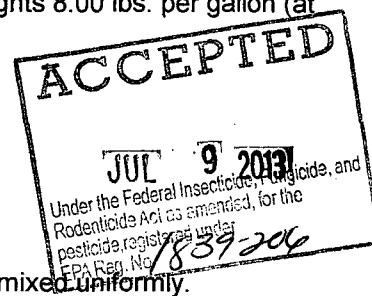
Do not use water containing residue from use of this product to irrigate crops used for food or feed. Use of the product in either public/municipal or single or multiple family private/residential potable/drinking water systems is strictly prohibited. Use of this product in any cooling water system that discharges effluent within ¼ mile of either a public/municipal or single or multiple family private/residential potable/drinking water intake is strictly prohibited.

To control algae and bacterial slimes use as directed. For best results use slug feed. The frequency of additional microbiocide needed depends on many factors. To optimize your use of this product, follow this procedure.

Industrial and/or Commercial Recirculating Cooling Water Towers

1. Initially use 8 fluid ounces per 1,000 gallons of water to be treated (20 ppm active quaternary). Should the dosage not give satisfactory results, use 9 fluid ounces per 1,000 gallons of water. Repeat the initial dose every seven days or increase the frequency if needed.
2. When the above treatment level is successful, use 2 to 3 fluid ounces per 1,000 gallons of water to maximize efficacy. Repeat weekly as needed. Should the slime develop again, go back to initial dosage.

Cooling towers that are inherently low in algae growth and bacterial count may be adequately controlled by the lower range of these dosages, slug fed for every seven days. Dilute the appropriate amount of this product in 1 or 2 gallons of water, then add to the tower. Note, this product weights 8.00 lbs. per gallon (at 20°C). Should tower be heavily fouled, a precleaning is required.



Once Through Freshwater Cooling System

For control of Algae and Algae Slime Growth

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. Add 0.15 to 1.5 fluid ounces of product per 1,000 gallons of water (1-12 ppm product). To reduce foaming, mix 1 part product to 2 parts water prior to addition.
4. 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.
5. Do not use product more than 4 times per year.
6. Treatment time cannot exceed 120 hours/application.
7. Avoid oxidizers and reducing agents.
8. Product is cationic and should not be used with soap or anionic surfactants.

Once Through Freshwater Cooling System

For control of Molluscs (Use not approved in the State of California)

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. Add 0.15 to 1.5 fluid ounces of product per 1,000 gallons of water (1-12 ppm product). To reduce foaming, mix 1 part product to 2 parts water prior to addition.
4. 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.
5. Do not use product more than 4 times per year.
6. Treatment time cannot exceed 120 hours/application.
7. Avoid oxidizers and reducing agents.
8. Product is cationic and should not be used with soap or anionic surfactants.

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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, absorbed through the skin, or inhaled. Do not breathe spray mist. Wear a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C). Wear goggles or face shield and rubber gloves when handling. Wash thoroughly with soap and water after handling. Remove clothing and wash 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.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame. Do not mix with soap or anionic materials.

STORAGE AND DISPOSAL

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

PESTICIDE 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. Offer for recycling, if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

For containers 5 gallons or less)

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.

For containers greater than 5 gallons)

Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

