

PM 311

1839-138

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FEB 17 1988

Stepan Company  
22 West Frontage Road  
Northfield, IL 60093

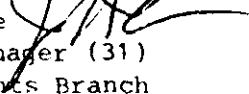
Attention: Veronica M. Colligan

Gentlemen:

Subject: 10% BTC 99 Industrial Water Cooling Tower Algaecide  
EPA Registration No. 1839-138  
Your Amendment Application Dated July 23, 1987

The labeling referred to above, submitted in connection with  
registration under the Federal Insecticide, Fungicide, and Rodenticide  
Act, as amended, is acceptable. A stamped copy is enclosed for your  
records.

Sincerely yours,

John H. Lee   
Product Manager (31)  
Disinfectants Branch  
Registration Division (TS-767C)

Enclosure

10353:J.Lee-L-2:KENCO-12/12/87-12/22/87-DD-JH:SG

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

## DIRECTIONS FOR USE

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

10% BTC 99 Industrial Water Cooling Algaecide will inhibit or control algae slime formation in cooling tower systems.

### INITIAL DOSE:

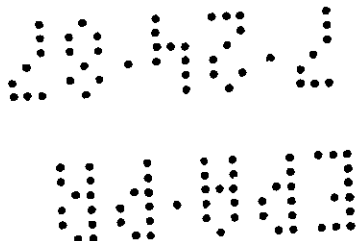
12-16 fluid ounces of 10% BTC 99 per 1,000 gallons of water to provide a concentration of 95 to 125 ppm of 10% BTC 99 (9.5 to 12.5 ppm active quaternary). Repeat until control is evident. When system is in control, add;

### PERIODIC DOSE:

6-16 fluid ounces of 10% BTC 99 per 1,000 gallons of water (5 to 12 ppm active quaternary) every seven days or sooner should visible growth appear. For best results, clean heavily contaminated systems before treatment with this product. If soap or anionic detergent is used, rinse thoroughly before charging with 10% BTC 99. Apply 10% BTC 99 at a point in the system where uniform mixing will take place.

Do not be alarmed with the sudden appearance of organic debris in the system during the first week of operation. This is normal and is a good indication that 10% BTC 99 has effectively penetrated and dislodged dead organic material which tenaciously adheres to metal and wooden surfaces as living matter. This debris should be removed from the system to avoid clogging of screens and pipes.

When 10% BTC 99 is used as directed, it will aid in controlling the development of slime conditions which are unsightly, produce foul odors and which are often the cause of equipment breakdown. 10% BTC 99 is compatible with virtually all corrosion inhibition additives but should not be used in the presence of soap or other anionic detergents. 10% BTC 99 at use dilution is noncorrosive to inanimate hard surfaces.



ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

FEB 17 1988



Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
1839-139

## 10% BTC 99 Industrial Water Cooling Tower Algaecide

Concentrated Algaecide for industrial re-circulating water cooling towers. Helps keep water cooling tower systems clear and free of visible algae slimes.

### ACTIVE INGREDIENT:

Didecyl dimethyl ammonium chloride ..... 10.0%

INERT INGREDIENTS: ..... 90.0%

TOTAL 100.0%

EPA REG. NO. 1839-139  
EPA EST. NO. 1839-JL-01

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

see side panels for additional precautionary statements

# Stepan S

Stepan Company  
Northfield, IL 60093

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## PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### DANGER

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

### 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 reuse.

If swallowed, drink promptly a large quantity of milk, 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. Measures against circulatory shock as well as oxygen and measures to support breathing manually or mechanically may be needed.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying in writing the 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.

### STORAGE AND DISPOSAL

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

**STORAGE:** Store in a dry place no lower in temperature than 50°F or higher than 120°F.

**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.

**CONTAINER DISPOSAL** — Do not reuse empty container. Triple rinse empty container with water. Return metal drum then offer for reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by State or local authorities. Plastic containers may be disposed of in a sanitary landfill, incinerated or, if allowed by local authorities, by burning. If burned, stay out of smoke.

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