

DEC 07 1994

Stepan Company  
22 West Frontage Rd  
Northfield, IL 60093

Attention: Leo Dringoli  
Manger Product Registration

Subject: 10% BTC 776 Industrial Water Cooling Tower Microbicide  
EPA Registration No. 1839-88  
Your Amendment Dated September 12, 1994  
and your cover letter dated October 27, 1994

The amendment (label update) referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that you:

1. Make the following labeling changes below before you release the product for shipment bearing the amended labeling.

a. The EPA Est No is in error. It should be 1839-IL-1. It is not 1839-01-IL. A Typo?.

b. Revise the heading: "industrial recirculating water cooling towers" to read

"Industrial and/or commercial recirculating cooling water towers"

c. Delete the word: Concentrated (center panel).

d. Revise the statement: Remove and wash contaminated clothing, to read:

Remove contaminated clothing and wash before reuse.

CONCURRENCES							
SYMBOL							
SURNAME	G. M. 102						
DATE	12/7/94						

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2. A release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

3. Our records have been adjusted to reflect your product name change:

OLD PRODUCT NAME: 10% BTC 776 Industrial Water Cooling Tower Algaecide

NEW PRODUCT NAME: 10% BTC 776 Industrial Water Cooling Tower Microbicide

4. A stamped copy of the labeling is enclosed for your records.

If you have any questions concerning this letter, contact V. Goncarovs at 703-305-6663.

Sincerely,

Walter C. Francis  
Acting Product Manager (31)  
Antimicrobial Program Branch  
Registration Division (H7505C)

Enclosures

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SURNAME							
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Stepan Company  
Northfield, IL 60093

## 10% BTC<sup>®</sup> 776 Industrial Water Cooling Tower Microbicide

Concentrated Microbicide for industrial recirculating water cooling towers.

Helps keep water cooling tower systems clear and free of visible algal, bacterial, and fungal slimes.

### ACTIVE INGREDIENTS:

n-Alkyl (60% C <sub>14</sub> , 30% C <sub>16</sub> , 5% C <sub>12</sub> , 5% C <sub>18</sub> )	
dimethyl benzyl ammonium chlorides	9.96%
n-Dialkyl (60% C <sub>14</sub> , 30% C <sub>16</sub> , 5% C <sub>12</sub> , 5% C <sub>18</sub> )	
methyl benzyl ammonium chlorides	0.04%

INERT INGREDIENTS:	90.00%
Total	100.00%

EPA REG. NO. 1839-88  
EPA EST. NO. 1839-01-IL

ACCEPTED  
with COMMENTS  
In EPA Letter Draft

DEC 07 1994

KEEP OUT OF REACH OF CHILDREN

## DANGER

See side panels for additional precautionary statements.

Under the  
Fugate  
Test  
1839-88

NET CONTENTS

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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.

10% BTC® 776 Industrial Water Cooling Tower Microbicide is designed to control algae and bacteria in cooling tower systems.

**Initial Dose:** Add 12-16 fluid ounces of this product per 1,000 gallons of water contained in the system to provide a concentration of 95 to 125 ppm of this product (9.5 to 12.5 ppm active quaternary). Repeat until control is evident. When system is in control, add:

**Periodic Dose:** Add 6-16 fluid ounces of this product per 1,000 gallons of water contained in the system (5 to 12.5 ppm active quaternary) every 7 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 this product. Apply this product 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 this product 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 this product is used as directed, it will aid in controlling the development of biomass deposits and algal slime formation which are unsightly, produce foul odors and which are often the cause of equipment breakdown and loss of cooling efficiency.

This product is compatible with virtually all corrosion inhibition additives, but should not be used in the presence of soap or other anionic detergents. This product at use-dilution is non-corrosive to inanimate hard surfaces.

ACCEPTED  
WITH COMMENTS  
By EPA Letter 1-1

DEC 07 1994

Under the  
Federal Insecticide,  
Fungicide, and  
Rodenticide Act,  
the following pesticide  
has been registered  
1839-88

Stepan Company  
Northfield, IL 60093  
EPA Reg. No. 1839-88

(left panel)

545

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

KEEP OUT OF REACH OF CHILDREN. Corrosive. Causes 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.

**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 egg whites or 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.

**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 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.

**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.

**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 and 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.

**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.

**BEST AVAILABLE COPY**

Stepan Company  
Northfield, IL 60093  
EPA Reg. No. 1839-88

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ACCEPTED  
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1839-88