

1839-138

04-28-2004

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

APR 28 2004

Mr. Thomas W. Isaac
Sr. Regulatory Specialist
Stepan Company
22 W. Frontage Rd.
Northfield, IL 60093

Subject: 10% BTC 99 Industrial and/or Commercial Recirculating Cooling
Water Tower Microbicide
EPA Registration No. 1839-138
Application Date: 1/30/04
Receipt Date: 2/4/04

Dear Mr. Isaac:

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

Addition of use directions for addition recirculating water systems: Air washers,
Heat Transfer systems (evaporative condensers, dairy sweetwater systems,
cooling canals, pasteurizers, tunnel coolers and warmers)

GENERAL COMMENTS

A stamped copy of the accepted labeling is enclosed. Submit three (3) copies 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 Zenobia Jones at (703) 308-6198.

Sincerely,



Velma Noble
Product Manager 31
Regulatory Management Branch 1
Antimicrobial Division (7510C)

CONCURRENCES

SYMBOL	7510C						
SURNAME	Z. Jones						
DATE	4-27-04						

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10% BTC[®] 99

Industrial and/or Commercial Recirculating Cooling Water Tower Microbicide

Microbicide for industrial and/or commercial recirculating cooling towers, air washers and heat transfer systems (evaporative condensers, dairy sweetwater systems, cooling canals, pasteurizers, tunnel coolers and warmers)

Helps keep cooling tower, air washer, and heat transfer systems clear and free of visible algal, bacterial, and fungal slimes.

ACTIVE INGREDIENT:

Didecyl dimethyl ammonium chlorides..... 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.

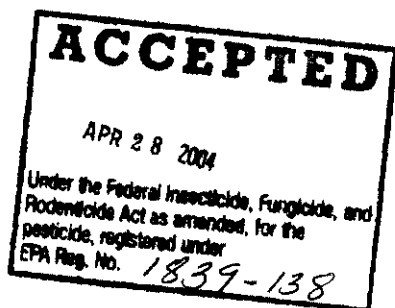
If on skin or clothing: Take off contaminated clothing. Rinse skin with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

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.

See side (back) panel for additional precautionary statements.



EPA REG. NO. 1839-138
EPA EST. NO. 1839-IL-01

STEPAN COMPANY
22 West Frontage Road
Northfield, IL 60093

NET CONTENTS

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 and/or Commercial Recirculating Cooling Water Tower Microbicide (this product) (product name) is designed to control algae and bacteria in cooling tower systems, air washers and heat transfer systems.

RECIRCULATING COOLING TOWERS:

Initial Dose: Add 19 to 80.5 fluid ounces of this product (product name) per 1,000 gallons of water contained in the system to provide a concentration of 150 to 630 ppm of this product (15 to 63 ppm active quaternary). Repeat until control is evident. When system is in control, add:

Periodic Dose: Add 6.5 to 80.5 fluid ounces of this product (product name) per 1,000 gallons of water contained in the system (5 to 63 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 (product name). Apply this product (product name) at a point in the system where uniform mixing will take place.

HEAT TRANSFER SYSTEMS (Evaporative condensers, dairy sweetwater systems, cooling canals, pasteurizers, tunnel coolers and warmers): This product (product name) should be used at the same application rates as in recirculating cooling water systems. It should be added to the system at a point of uniform mixing such as the basin area or other reservoir or collecting area from which treated water will be dispersed uniformly throughout the system.

Initial Dose: Add 19 to 80.5 fluid ounces of this product (product name) per 1,000 gallons of water contained in the system to provide a concentration of 150 to 630 ppm of this product (15 to 63 ppm active quaternary). Repeat until control is evident. When system is in control, add:

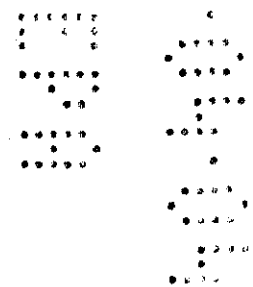
Periodic Dose: Add 6.5 to 80.5 fluid ounces of this product (product name) per 1,000 gallons of water contained in the system (5 to 63 ppm active quaternary) every 7 days or sooner should visible growth appear. For best results, clean heavily contaminated systems before treatment with this product (product name). If soap or anionic detergent is used, rinse thoroughly before charging with this product (product name).

AIR WASHER SYSTEMS: Add to the air washer sump or chill water or to the coil spray water to insure uniform mixing at a rate of 6.5 to 80.5 fluid ounces of this product (product name) per 1,000 gallons of water in the system (5 to 63 ppm active quaternary) every 7 days or sooner depending on the severity of contamination.

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



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PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER

KEEP OUT OF REACH OF CHILDREN. CORROSIVE. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. Wear goggles or face shield, rubber gloves, and protective clothing. May be fatal if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash before reuse.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

ENVIRONMENTAL HAZARDS

(Required for containers 5 gallons or greater)

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.

STORAGE AND DISPOSAL

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

PESTICIDE 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.

Metal Containers: Return metal drum or offer for reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

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

For containers 1 gallon or less: Do not reuse empty container (bottle, can, bucket). Wrap container and put in trash.

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.

