

Stepan Company
22 West frontage Road
Northfield, IL 60093

JUL 28 1995

Attention: Leo Dringoli

Subject: 20% BTC 99 Industrial Water Cooling Tower Algaecide
EPA Registration Number 1839-139
Your Submission Dated May 27, 1995
EPA Received Date June 6, 1995


The amendment referred to above, submitted in connection with registration under the Insecticide, Fungicide, and Rodenticide Act, as amended, to increase the range of dosage for the "Initial Dose", "Periodic Dose", is acceptable.

Please submit verification from FDA which shows that this product has been cleared for use in "Brewery Pasteurizers". However at this time, delete all claims pertaining to "Brewery Pasteurizers" from the product labeling.

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

If you have any questions concerning this letter, please contact Karen M. Leavy-Munk at (703)-305-6966.

Sincerely yours,



Marion J. Johnson
Product Manager (31)
Antimicrobial Program Branch
Registration Division (7505C)

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

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ACCEPTED
with COMMENTS
in EPA Letter dated:

JUL 18 1990

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, this pesticide
registered under EPA Reg. No.

1839-139

20% BTC® 99

Industrial and/or Commercial Recirculating Cooling Water Tower Microbicide

Microbicide for industrial recirculating cooling water towers.

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

ACTIVE INGREDIENT

Didecyl dimethyl ammonium chloride 20.0%

INERT INGREDIENTS 80.0%

Total 100.0%

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

KEEP OUT OF REACH OF CHILDREN

DANGER

See side panels for additional precautionary statements.

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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.

20% BTC 99 Industrial and/or Commercial Recirculating Cooling Water Tower Microbicide is designed to control algae and bacteria in cooling tower systems as well as decorative fountains and ponds.

Initial Dose: Add 6-40 fluid ounces of this product per 1,000 gallons of water contained in the system to provide a concentration of 47 to 313 ppm of this product (9 to 63 ppm active quaternary). Repeat until control is evident. When system is in control, add:

Periodic Dose: Add 3-40 fluid ounces of this product 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. 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.

~~_____ this product per 1000 gallons of water in each
_____ me.~~

ACCEPTED
with COMMENTS
in EPA Letter # _____

JUL 28 1995

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
this product is registered under the name of _____

Stepan Company
Northfield, IL 60093
EPA Reg. No. 1839-139

1839-139

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PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER

KEEP OUT OF REACH OF CHILDREN. Corrosive. 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. 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 contaminated clothing and wash 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.

Stepan Company
Northfield, IL 60093
EPA Reg. No. 1839-139

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ACCEPTED
with COMMENTS
in EPA Lab

JUL 24 1995

Use only as directed.
EPA Reg. No. 1839-139
Registered

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