

The presence of foam in recirculating cooling towers impairs the performance of the unit. Loss of heat transfer and pressure fluctuations are two of the problems encountered when foam is present in the recirculating water system.

One of the possible causative agents is the microbiocide added to control algae and algae slimes. DF Low Foam Water Treatment Microbiocide, by design, is a low foaming microbiocide. When used as directed, DF Low Foam Water Treatment Microbiocide will control algae and algae slimes found in recirculating cooling tower waters and not introduce a foam problem.

DF Low Foam Water Treatment Microbiocide helps clean and loosen slime debris from cooling system surfaces. When used in slug doses, no other microbiocide is required.

DF Low Foam Water Treatment Microbiocide is economical to use because it is concentrated. It should be handled with care.

Precautionary Statements

Hazards to Humans

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.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Treatment effluent should not be discharged where it will drain into lakes, streams, ponds, or public water unless in accordance with an NPDES permit. For guidance contact regional EPA office.

PHYSICAL HAZARDS

DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME

STORAGE AND DISPOSAL

- DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL
- OPEN DUMPING IS PROHIBITED
- DO NOT REUSE EMPTY CONTAINER

PESTICIDE DISPOSAL

PESTICIDE THAT CANNOT BE USED, OR CHEMICALLY REPROCESSED SHOULD BE DISPOSED OF IN A LANDFILL APPROVED FOR PESTICIDES OR BURIED IN A SAFE PLACE AWAY FROM WATER SUPPLIES

CONTAINER DISPOSAL

DISPOSE OF IN AN INCINERATOR OR LANDFILL APPROVED FOR PESTICIDE CONTAINERS. BURY IN A SAFE PLACE OR RETURN TO DRUM RECONDITIONER

DF LOW FOAM WATER TREATMENT MICROBIOCIDE

Twin-Chain Quaternary Ammonium Compound Concentrate
Low Foam Water Treatment Microbiocide for Building and Industrial Cooling Towers

Active Ingredients	JUL 23 1984	
Diocetyl dimethyl ammonium chloride		50%
Inert Ingredients		50%
	<u>49766-5</u>	100%

KEEP OUT OF REACH OF CHILDREN.

DANGER

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, respiratory depression, and convulsion may be needed

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Registration No. 49766-CA-1
EPA Establishment No. 400 lbs
Net Weight
Net Volume 55 gals

EDFRED CHEMICAL CORPORATION
1775 SOUTH FIRST STREET SAN JOSE, CA 95112

Directions for use

GENERAL CLASSIFICATION

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

To control algae and algae slimes, use DF Low Foam Water Treatment Microbiocide as directed. For best results, slug feed. The frequency of addition of microbiocide needed depends on many factors. To optimize your use of DF Low Foam Water Treatment Microbiocide follow this procedure.

1. Initially use 16 fluid ounces per 1,000 gallons of water to be treated (60 ppm active quaternary). Should the above dosage not give satisfactory results, use 21 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 6 to 9 fluid ounces per 1,000 gallons of water to maximize efficiency. Repeat weekly as needed. Should slime develop again, return to initial dosage. Cooling tower waters that are inherently low in algae growth may be adequately controlled by the lower range of these dosages; slug feed every seven days. Dilute the appropriate amount of DF Low Foam Water Treatment Microbiocide in 1 to 2 gallons of water then add to the sump of the tower. Note, this product weighs 7.72 lbs. per gallon (at 20° C). Should tower be heavily fouled, a pre-cleaning is required.

FOR SALE FOR USE AND ST 3E BY MAINTENANCE PERSONNEL ONLY

BEST DOCUMENT AVAILABLE⁸⁰

<p align="center">U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (HH-567) WASHINGTON, D.C. 20460</p> <p>NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input checked="" type="checkbox"/> REREGISTRATION</p> <p><i>(Under the Federal Insecticide, Fungicide and Rodenticide Act as amended)</i></p>	EPA REGISTRATION NO.	DATE OF ISSUANCE
	TERM OF ISSUANCE	25 JUL 1984
	NAME OF PESTICIDE PRODUCT	
NAME AND ADDRESS OF REGISTRANT (Include ZIP code)		
<p>☐</p> <p>☐</p>		
<p>NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.</p> <p>On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p>		
<p align="center">BEST DOCUMENT AVAILABLE</p>		
<p><input checked="" type="checkbox"/> ATTACHMENT IS APPLICABLE</p>		
SIGNATURE OF APPROVING OFFICIAL		DATE

d. Revise the statement: (upper left panel)

"When used in slug does, no other..."

to read:

"When used in slug dose, no other..."

e. Revise the statement: (upper left panel)

Hazards to Humans

to read:

Hazards to Humans and Domestic Animals.

f. Revise the Environmental Hazard Statement to read:


Environmental Hazards

This pesticide is toxic to fish. Do not discharge into lakes, streams, ponds or public waters unless in accordance with a NPDES permit. For guidance, contact your Regional Office of the Environmental Protection Agency.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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



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

Enclosure

RD-DIS:Lee:DCR-44628:WANG-0248K:mar:Raven:479-2013:7/16/84:Del.7/31/84
REVISED:DCR-44634:Wang:0248K:eg:Raven:479-2018:7/18/84:Del.7/31/84

BEST DOCUMENT AVAILABLE