

The presence of foam in recirculating cooling towers impairs the performance of the unit. Excess 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 microbe added to control algae and algae slimes. Lonza Low Foam Water Treatment Microbiocide by design is a low foaming microbicide. When used as directed, Lonza Low Foam Water Treatment Microbiocide will control algae and algae slimes found in recirculating cooling tower waters and not introduce a foam problem.

Lonza Low Foam Water Treatment Microbiocide helps clean and loosen slime debris from cooling system surfaces. When used in conjunction with other microbicides required.

Lonza 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 CONTAINER. BURY IN A SAFE PLACE OR RETURN TO ORIGINAL RECONSTRUCTION.

LONZA LOW FOAM WATER TREATMENT MICROBICIDE

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

Active Ingredients

Diocyl dimethyl ammonium chloride 50%

Inert Ingredients

50%

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 6836-60

Net Weight 400 lbs

Net Volume 55 gals

Manufactured By

Lonza Inc. 22-10 Route 208 Fair Lawn, N.J. 07410

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 Lonza Low Foam Water Treatment Microbicide as directed. For best results, slug feed. The frequency of addition of microbicide needed depends on many factors. To optimize your use of Lonza Low Foam Water Treatment Microbicide 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 Lonza Low Foam Water Treatment Microbicide 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.