

**LONZA WATER TREATMENT MICROBIOCIDE** will control algae and bacterial slimes found in recirculating cooling tower waters and oil field water flood. **LONZA WATER TREATMENT MICROBIOCIDE** helps clean and loosen slime debris from cooling and flooding system surfaces. When used in slug doses, no other microbiocide is required.

**LONZA WATER TREATMENT MICROBIOCIDE** is economical to use because it is concentrated. It should be handled with care.

**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.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Do not apply in marine and/or estuarine oil fields. Do not discharge treated effluent 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.

**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.

**GENERAL**

CONSULT FEDERAL, STATE OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES SUCH AS LIMITED OPEN BURNING.

**LONZA WATER TREATMENT MICROBIOCIDE**

Twin-Chain Quaternary Ammonium Compound Concentrate Water Treatment Microbiocide for Building and Industrial Cooling Towers and Oil Field Water Flood or Salt Water Disposal Systems

**Active Ingredient**

Didecyl 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**

<b>EPA Registration No.</b>	6836-32
<b>EPA Establishment No.</b>	6836-1L-1
<b>Net Weight</b>	425 lbs.
<b>Net Volume</b>	55 gals.

**LONZA INC.**  
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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.

To control algae and bacterial slimes, use **LONZA 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 **LONZA WATER TREATMENT MICROBIOCIDE**, follow this procedure.

**Recirculating Cooling Towers**

1. Initially use 6 fluid ounces per 1000 gallons of water to be treated (20 ppm active quaternary).

Should the above dosage not give satisfactory results, use 9 fluid ounces per 1000 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 2 to 3 fluid ounces per 1000 gallons of water to maximize efficiency. Repeat weekly as needed.

Should slime develop again, go back to initial dosage.

Cooling tower waters that are inherently low in algae growth and bacteria count may be adequately controlled by the lower range of these dosages; slug fed every seven days.

Dilute the appropriate amount of **LONZA WATER TREATMENT MICROBIOCIDE** in 1 or 2 gallons of water, then add to the tower. Note, this product weighs 7.73 lbs per gallon (at 20°C).

Should tower be heavily fouled, a precleaning is required.

**Oil Field Water Flood or Salt Water Disposal Systems: (Do not apply in Marine and Estuarine Oil Fields)**

1. For the control of slime forming and sulfate reducing bacteria in oilfield water flood or salt water disposal systems, add 5-10 ppm (active) **LONZA WATER TREATMENT MICROBIOCIDE** (1½ - 3 gallons per 3000 barrels of water) continuously. Levels for effective control will vary depending on conditions at the site.

2. For intermittent use, dose at a rate of 5-20 ppm (active) **LONZA WATER TREATMENT MICROBIOCIDE** (1½ - 6 gallons per 3000 barrels of water) for 4-8 hours per day, one to four times a week as needed to maintain control.

Add **LONZA WATER TREATMENT MICROBIOCIDE** directly from the drum with the proper type of metering equipment. This product weighs 7.73 lbs/gallon (at 20°C).

**ACCEPTED**  
MAY 20 1981  
Under U.S. Patent No. 3,811,111  
Fungicide and Bactericide  
as amended, for the treatment  
of oil field water  
EPA Reg. No. 6836-32

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