

Instructions: This information is to be used only as a guide in developing your own label. Substitute your product's name, every place you see "LONZA WATER TREATMENT MICROBIOCIDES". Substitute your own company name and address where you see "Lonza Inc., etc.". Substitute your EPA File No. for our "6836-32".

LONZA WATER TREATMENT MICROBIOCIDES will control algae and bacteria slimes found in recirculating cooling tower waters and in field water flood. **LONZA WATER TREATMENT MICROBIOCIDES** breaks clean and frozen slime debris from cooling and flooding system surfaces. When used in start-ups, no other microbicide is required.

LONZA WATER TREATMENT MICROBIOCIDES 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 if inhaled or swallowed. Avoid contamination from dust.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic life. Do not use in streams, rivers, or lakes. Do not use in marine or estuarine waters.

STORAGE AND DISPOSAL

Do not use in marine or estuarine waters. Do not use in streams, rivers, or lakes. Do not use in marine or estuarine waters. Do not use in streams, rivers, or lakes.

PESTICIDE DISPOSAL

Do not use in streams, rivers, or lakes. Do not use in marine or estuarine waters. Do not use in streams, rivers, or lakes.

CONTAINER DISPOSAL

Do not use in streams, rivers, or lakes. Do not use in marine or estuarine waters. Do not use in streams, rivers, or lakes.

LONZA WATER TREATMENT MICROBIOCIDES

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

Active Ingredients % wt/wt

Cidecyl dimethyl ammonium chloride 51%

Inert Ingredients 49%

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. 6836-32
Net Weight 400 lbs
Net Volume 55 gals

LONZA INC.
1211 Route 219, Fair Lawn, New Jersey 07410

Directions for use
GENERAL CLASSIFICATION

For classification of this product, see the label.

For the control of algae and bacteria slimes found in recirculating cooling tower waters and in field water flood, use of **LONZA WATER TREATMENT MICROBIOCIDES** follows a procedure:

Recirculating Cooling Towers:
1. Initially use 1 fluid ounce per 1000 gallons of water to be treated (20 ppm active quaternary).
Should the above dosage not give satisfactory results, use a fluid ounce per 1000 gallons of water.

Repeat the above dosage every seven days or more frequently if needed.

2. When the above dosage gives a satisfactory result, 3 fluid ounces per 1000 gallons of water to maximize efficiency. Repeat weekly as needed.

Should slimes 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, applied every seven days.

3. In the event of a start-up of **LONZA WATER TREATMENT MICROBIOCIDES** in 1000 gallons of water, then add to the tower. Note: this product weighs 7.4 lbs per gallon (at 20°C).

Should tower be heavily fouled, a pre-cleaning 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 sulfate forming and sulfate reducing bacteria in oilfield water flood or salt water disposal systems, add 1-20 ppm active **LONZA WATER TREATMENT MICROBIOCIDES** (1 1/2 - 3 gallons per 3000 barrels of water) continuously. Levels for effective control will vary depending on conditions at the site.

2. For intermittent use, add a rate of 5-20 ppm active **LONZA WATER TREATMENT MICROBIOCIDES** (1 1/2 - 6 gallons per 3000 barrels of water) for 4-8 hours per day, one to four times a week as needed to maintain control.

All **LONZA WATER TREATMENT MICROBIOCIDES** directly from the drum with the proper type of metering equipment. This product weighs 7.4 lbs per gallon (at 20°C).