

102 Morewood Drive
Manchester, Mo. 63011
314-227-9908

#542 WATER TREATMENT MICROBIOCIDES

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 20%

Inert Ingredients

80%

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. 45705-9

EPA Establishment No. 10208-MO-01

Net Weight

Net Volume

ACCEPTED

OCT 16 1985

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under 45705-9 EPA Reg. No.

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 #542 WATER TREATMENT MICROBIOCIDES as directed. For best results, slug feed. The frequency of addition of microbiocide needed depends on many factors. To optimize your use of #542 WATER TREATMENT MICROBIOCIDES, follow this procedure.

Recirculating Cooling Towers

- Initially use 15 fluid ounces per 1000 gallons of water to be treated (20 ppm active quaternary). Should the above dosage not give satisfactory results, use 22 fluid ounces per 1000 gallons of water. Repeat the initial dose every seven days or increase the frequency if needed.
- When the above treatment level is successful, use 5 to 7 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 feed every seven days.

Dilute the appropriate amount of #542 WATER TREATMENT MICROBIOCIDES in 1 or 2 gallons of water, then add to the tower. Note, this product weighs 8.01 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)

- For the control of slime forming and sulfate reducing bacteria in oilfield water flood or salt water disposal systems, add 5-10 ppm (active) #542 WATER TREATMENT MICROBIOCIDES (3%-7.5 gallons per 3000 barrels of water) continuously. Levels for effective control will vary depending on conditions at the site.
- For intermittent use, dose at a rate of 5-20 ppm (active) #542 WATER TREATMENT MICROBIOCIDES (3%-7.5 gallons per 3000 barrels of water) for 4-8 hours per day, one to four times a week as needed to maintain control.

Add #542 WATER TREATMENT MICROBIOCIDES directly from the drum with the proper type of metering equipment. This product weighs 8.01 lbs/gallon (at 20°C).

#542 WATER TREATMENT MICROBIOCIDES will control algae and bacterial slimes found in recirculating cooling tower waters and oil field water flood. #542 WATER TREATMENT MICROBIOCIDES helps clean and loosen slime debris from cooling and flooding system surfaces. When used in slug doses, no other microbiocide is required.

#542 WATER TREATMENT MICROBIOCIDES 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 AWAY FROM WATER SUPPLIES.

CONTAINER DISPOSAL

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

GENERAL

CONSULT FEDERAL, STATE OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES