

2019-2999

2019-07-09

# MAQUAT<sup>®</sup> 4450-CTM-CN

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  
and Workover Fluids  
Solution

**COMMERCIAL**

Slimicide

**ACTIVE INGREDIENT:**

Didecyl dimethyl ammonium chloride.....50.0%

**READ THE LABEL BEFORE USING**

**REGISTRATION NO. 29915 PEST CONTROL PRODUCTS ACT**

**DANGER**



**FLAMMABLE**



**POISON**



**CORROSIVE**

Corrosive to eyes and skin

**MASON CHEMICAL COMPANY**

9075 Centre Pointe Drive, Suite 400

West Chester, Ohio, USA 45069

513-326-0600

Toll Free: 1-800-70-PILOT

Net Contents:

Batch No:

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MAQUAT 4450-CTM-CN will control algae and bacterial slimes found in recirculating cooling tower waters and oil field water flood. MAQUAT 4450-CTM-CN helps clean and loosen slime debris from cooling and flooding system surfaces. When used in slug doses, no other microbiocide is required. MAQUAT 4450-CTM-CN is economical to use because it is concentrated. It should be handled with care.

**DIRECTIONS FOR USE:**

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

DO NOT discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters.

DO NOT discharge effluent containing this product into sewer systems without previously notifying the sewage treatment plant authority. The requirements of applicable laws should be determined before using the product.

To control algae and bacterial slimes, use MAQUAT 4450-CTM-CN as directed. For best results, slug feed. The frequency of addition of microbiocide needed depends on many factors. To optimize your use of MAQUAT 4450-CTM-CN, follow this procedure.

**Recirculating Cooling Towers:**

1. Initially use 450 mL/10,000L of water to be treated (20 ppm active quaternary). Should the above dosage not give satisfactory results, use 700 mL/10,000L of water. Repeat the initial dose every seven days or increase the frequency if needed.

2. When the above treatment level is successful, use 240 mL/10,000L 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 MAQUAT 4450-CTM-CN in 4 or 8L of water, then add to the tower. Note, this product weighs 0.85 Kg/L (at 20 °C). Should tower be heavily fouled, a precleaning is required.

**Oil Field Water Flood or Salt Water Disposal Systems and Workover Fluids (e.g. Fracturing Fluids):**

1. For the control of slime forming and sulfate reducing bacteria in oil field water flood or salt water disposal systems, add 5-10ppm (active) MAQUAT 4450-CTM-CN (100-200 mL/10,000 L 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) MAQUAT 4450-CTM-CN (100-400 mL/10,000 L of water) for 4-8 hours per day, one to four times a week as needed to maintain control. Add MAQUAT 4450-CTM-CN directly from the drum with the proper type of metering equipment. This product weighs 0.85 Kg/L (at 20 °C).

2019-2999

2019-07-09

**PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN.**

**FLAMMABLE.** Contents may catch fire. Do not smoke. Use only in a well-ventilated area. Keep away from flames and sparks. **CORROSIVE** to the eyes and skin. DO NOT get in eyes, on skin, or on clothing. Wear cover-alls over long-sleeved shirt and long pants, goggles or a face shield, chemical resistant gloves, socks and chemical resistant footwear during mixing, loading, application clean-up and repair. Fatal or poisonous if swallowed. Avoid contamination of food.

**ENVIRONMENTAL HAZARDS:**

Toxic to aquatic organisms.

**FIRST-AID:**

**If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**TOXICOLOGICAL INFORMATION:**

Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

**DISPOSAL:**

1. Triple- or pressure-rinse the empty container. Add the rinsings to the treatment site.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

**NOTICE TO USER:**

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is

2019-2999

2019-07-09

inconsistent with the directions on the label.