

**AQ WATER TREATMENT MICROBIOCIDE** will control algae and bacterial slimes found in recirculating cooling tower waters and oil field water flood. **AQ 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.

**AQ 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 or fields. Do not discharge treated effluent into lakes, streams, ponds, or other waters unless in accordance with an NPDES permit. For guidance contact your regional office of the Environmental Protection Agency.

**PHYSICAL HAZARDS**

DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME.

**STORAGE AND DISPOSAL**

DO NOT CONTAMINATE WATER FLOOD OR FLOOD BY STORAGE OR DISPOSAL.

OPEN FLAMING IS PROHIBITED.

DO NOT REUSE EMPTY CONTAINER.

**PESTICIDE DISPOSAL**

PESTICIDES THAT CANNOT BE REUSED OR CHEMICALLY REFORMED SHOULD BE DESTROYED OR BY A LANDFILL APPROVED FOR PESTICIDES OR BURNED IN A SAFE PLACE AWAY FROM WATER SUPPLIES.

**CONTAINER DISPOSAL**

DO NOT REUSE OR REOPERATE OR REUSE FOR ANY OTHER PURPOSE. PESTICIDE CONTAINERS SHOULD BE REUSED IN A SAFE PLACE OR RECYCLED OR BURNED IN A SAFE PLACE.

**GENERAL**

CONTACT FEDERAL, STATE, OR LOCAL OFFICIALS FOR ADVICE ON THE PROPER DISPOSAL OF PESTICIDE CONTAINERS. ALWAYS USE COMMON SENSE.

HOPE MICROBIOCIDE Q

**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 Ingredients:**

Alkyl (C <sub>12</sub> , 50%; C <sub>10</sub> , 40%; C <sub>8</sub> , 10%)	
dimethyl benzyl ammonium chloride	20.0%
Octyl decyl dimethyl ammonium chloride	15.0%
Dioctyl dimethyl ammonium chloride	7.5%
Didecyl dimethyl ammonium chloride	7.5%

**Inert Ingredients**

50.0%  
100.0%

**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. -

EPA Establishment No. -

Net Weight

425 lbs

Net Volume

55 quats

Hope Chemical Corporation  
P.O. Box 922  
Southport, CT 06490

**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 bacterial slimes use **AQ 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 **AQ 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 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 slug fed every seven days.

Dose the appropriate amount of **AQ WATER TREATMENT MICROBIOCIDE** in 1 or 2 quarts of water then add to the tower. Note this product weighs 7.8 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 (see label for Marine and Estuarine Use Only).

1. For the control of slime fouling and sulfate reduction in an oil field water flood or salt water disposal systems and in brine systems use **AQ WATER TREATMENT MICROBIOCIDE** at 1 to 2 quarts per 1000 gallons of water, slug fed daily. Levels for effective control will vary depending on conditions at the site.

2. For slimes that use, dose at a rate of 1.25 ppm active **AQ WATER TREATMENT MICROBIOCIDE** (1 quart per 1000 gallons) daily for 48 hours per day, one to four times a week as needed to maintain control.

**AQ WATER TREATMENT MICROBIOCIDE** is a registered pesticide. For information on the proper use of this pesticide, contact your local extension agent or the manufacturer.

BEST DOCUMENT AVAILABLE

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**U.S. ENVIRONMENTAL PROTECTION AGENCY**  
 OFFICE OF PESTICIDE REGISTRATION  
 REGISTRATION DIVISION (445) 571-1000

EPA REGISTRATION NO.

DATE OF ISSUANCE

TERM OF REGISTRATION

**NOTICE OF PESTICIDE:**

Under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)

NAME OF PESTICIDE PRODUCT

NAME AND ADDRESS OF REGISTRANT (Include ZIP Code)

**NOTE:** Changes in label text, formula, formulation, or other information from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above E.P.A. registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the label accepted in connection with this Registration/Reregistration is returned to you with this notice.

Registration is not a guarantee of the safety or effectiveness of a product by the Agency. In order to protect health and the environment, the Administrator has the authority to suspend, suspend, or cancel the registration of a pesticide if it is found to be in violation of the Act. The acceptance of any registration with the registration of a product under this Act does not constitute a guarantee of the right to exclusive use of the name or to its use if it has been covered by other registrations.

I am a distributor of this pesticide.

SIGNATURE

DATE