

MAGNATROL 443A

TWIN-CHAIN QUATERNARY AMMONIUM COMPOUND CONCENTRATE

Water Treatment Microbiocide for Building and industrial Cooling Towers

COMMERCIAL GUARANTEE :

Didecyl dimethyl ammonium chloride50%

DANGER

POISON CORROSIVE

READ THE LABEL BEFORE USING

REGISTRATION NO. 22613
PEST CONTROL PRODUCTS ACT

NET CONTENTS : _____ L

MAGNATROL 443A will control algae and bacterial slimes found in recirculating cooling tower waters. **MAGNATROL 443A** helps clean and loosen slime debris from recirculating cooling tower waters. When used in slug doses, no other microbiocide is required. **MAGNATROL 443A** is economical to use because it is concentrated. It should be handled with care.

PRECAUTIONARY STATEMENTS :

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 product is toxic to fish. Treatment effluent should not be discharged where it will drain into lakes, streams, ponds or public water.

FIRST AID : 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 or poison control centre immediately.

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

NOTICE TO USER : This control product is to be used only in accordance with the directions on this label. It is an offense under the Pest Control Products Act to use a control product under unsafe conditions.

DISPOSAL :

- 1) Rinse the emptied container thoroughly and add the rinsings to 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 the disposal of unused, unwanted product and the cleanup of spills, contact the Provincial Regulatory Agency or the Manufacturer.

DIRECTIONS FOR USE :

To control algae and bacterial slimes, use **MAGNATROL 443-A** as directed. For best results, slug feed. The frequency of addition of microbiocide needed depends on many factors. To optimize your use of **MAGNATROL 443-A**, follow this procedure.

RECIRCULATING COOLING TOWERS :

1) Initially use 450 ml/10,000 L of water to be treated (20 ppm active quaternary).

Should the above dosage not give satisfactory results, use 700 ml/10,000 L 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/10,000 L of water to maximized 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 **MAGNATROL 443A** in 4 or 8 L of water, then add to the tower. Note, this product weight 0.93 kg / L (at 20°C).

Should tower be heavily fouled, a precleaning is required.

MAGNATROL 443A has been found to inhibit the growth of Legionella pneumophila (Legionare disease, Pontiac fever) at the recommended use levels.

The inhibition of L pneumophila is of major public health importance in recirculating water systems (i.e., cooling

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