



BROOKS Chemicals
CLEVELAND, OHIO TORONTO, ONTARIO

1-4-73
4297-23

Brooks H-C Treatment No. 479 will control algae and bacterial slimes found in recirculating cooling tower waters. H-C Treatment No. 479 helps clean and loosen slime debris from cooling system surfaces. When used in slug doses, no other treatment is required. H-C Treatment No. 479 is economical to use because it is concentrated. It should be handled with care.

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.

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 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.

H-C TREATMENT

No. 479

Twin-Chain Quaternary
Ammonium Compound Concentrate
Water Treatment Microbiocide
for Building and Industrial
Cooling Towers

Active Ingredients

Didecyl dimethyl ammonium chloride 50%
Isopropyl alcohol 20%

Inert Ingredients

30%

100%

EPA Registration No.

4297-23

Net Volume

-----gals.

DANGER

KEEP OUT OF REACH OF CHILDREN. SEE LEFT
PANEL FOR ADDITIONAL PRECAUTIONARY
STATEMENTS.

USE DIRECTIONS

To control algae and bacterial slimes, use Brooks H-C Treatment No. 479 as directed. For best results, slug feed.

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 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.

Dilute the appropriate amount of Brooks H-C Treatment No. 479 in 1 or 2 gallons of water then add to the sump of the tower. Note, this product weighs 7.49 lbs. per gallon (at 20° C).

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

Should tower be heavily fouled, a pre-cleaning is required. Do not reuse empty drum. Return to drum reconditioner or rinse well with soap solution and discard. Do not contaminate water by disposal of waste.

FOR INDUSTRIAL USE ONLY