



# RELIANCE-BROOKS,

## Incorporated

CLEVELAND, OHIO

TORONTO, ONTARIO

OCT 20 1978  
UNDER THE FEDERAL INSECTICIDE  
FUNGICIDE AND ROBBENTICIDE ACT  
FOR ECONOMIC POISON REGISTRATION  
NO. 4297-26

The presence of foam in recirculating cooling towers impairs the performance of the unit. Loss of heat transfer and pressure fluctuations are two of the problems encountered when foam is present in the recirculating water system.

One of the possible causative agents is the microbiocide added to control algae and algae slimes. H-C Treatment No. 473 Low Foam Water Treatment Microbiocide, by design, is a low foaming microbiocide. When used as directed, H.C. No. 473 Low Foam Water Treatment Microbiocide will control algae and algae slimes found in recirculating cooling tower waters and not introduce a foam problem.

H-C Treatment No. 473 Low Foam Water Treatment Microbiocide helps clean and loosen slime debris from cooling system surfaces. When used in slug doses, no other microbiocide is required.

H.C. Treatment No. 473 Low Foam Water Treatment Microbiocide 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. 473 LOW FOAM WATER TREATMENT MICROBIOCIDE

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

#### Active Ingredients

Diocetyl dimethyl  
ammonium chloride

50%

Ethyl alcohol

10%

#### Inert Ingredients

40%

100%

EPA Registration No. 4297-26

EPA Est. No. 4297-OH-1

Net Weight

Net Volume

Manufactured By  
RELIANCE BROOKS INC.  
3302 EAST 87TH STREET  
CLEVELAND, OHIO 44127

### DANGER

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

### USE-DIRECTIONS

To control algae and algae slimes, use H.C. Treatment No. 473 Low Foam 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 No. 473 follow this procedure.

1. Initially use 16 fluid ounces per 1000 gallons of water to be treated (60 ppm active quaternary).

Should the above dosage not give satisfactory results, use 21 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 6 to 9 fluid ounces per 1000 gallons of water to maximize efficiency. Repeat weekly as needed.

Should slime develop again, return to initial dosage.

Cooling tower waters that are inherently low in algae growth may be adequately controlled by the lower range of these dosages. slug feed every seven days.

Dilute the appropriate amount of No. 473 Low Foam Water Treatment Microbiocide in 1 to 2 gallons of water then add to the sump of the tower. Note, this product weighs 8.0 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 precleaning is required.

Do not reuse empty drum. Return to drum reconditioner or destroy by perforating or crushing and burying in a safe place away from water supplies.

**DO NOT USE, POUR, SPILL OR STORE  
NEAR HEAT OR OPEN FLAME.**

## FOR INDUSTRIAL USE ONLY