



**BROOKS**  
CLEVELAND, OHIO

*Chemicals*  
TORONTO, ONTARIO

# H-C TREATMENT No. 477

EPA REG. NO. 4297-20

12-14-71  
4297-20 4297-20

NET CONTENTS ----- GAL.

Application

H-C Treatment No. 477 is used to control algae, bacteria and fungi in recirculating commercial and industrial water cooling towers. Prior to its use, systems must be cleaned to remove algal growth, microbiological slime and other deposits. An initial slug addition of 1.90 to 4.75 fluid ounces of No. 477 per 1000 gallons of water, to provide a concentration of 16 to 40 parts per million of No. 477 based on the total weight of water in the system is recommended. Subsequent slug additions of .47 to 4.75 fluid ounces of No. 477 per 1000 gallons of water (4 to 40 parts per million of No. 477) should be employed every 2 to 5 days or as needed. The frequency of addition depends upon the relative amount of bleedoff and the severity of the microbiological problem. Slug additions should be made in the sump of water cooling towers.

Percent By Weight

Active Ingredient	
Poly [oxyethylene (dimethyliminio) ethylene (dimethyliminio) ethylene dichloride]	----- 30 pct.
Inert Ingredient	----- 70 pct.
Weight Per Gallon	----- 8.97 pounds
Weight of Active Ingredient	----- 2.69 pounds

## CAUTION - KEEP OUT OF THE REACH OF CHILDREN

Harmful if swallowed. Avoid contact with skin and eyes.  
In case of contact flush with plenty of water for at least 15 minutes. If eye irritation persists get medical attention. Avoid contamination of food.  
This product is toxic to fish. Do not add treated effluent to lakes, streams or ponds. Do not contaminate water by cleaning of equipment or disposal of waste. Use only as directed on label.  
Rinse small empty container thoroughly with water and discard it. Do not reuse empty drum. Destroy by perforating or crushing and burying in a safe place.

### FOR INDUSTRIAL USE ONLY