

1 # 10778-7 2/21

# VAPORENE<sup>®</sup> FX 80

## MICROBIOCIDE

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

Active Ingredients	% wt/wt
Didecyl dimethyl ammonium chloride	10%
Isopropyl alcohol	4%
Inert Ingredients	86%
	100%

KEEP OUT OF REACH OF CHILDREN.

## DANGER

Hazardous to Humans and Domestic Animals.

### 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 SIDE PANELS FOR  
ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Registration No. 10778-7  
EPA ESTABLISHMENT No. 10778-NY-1

Manufactured by:  
**METROPOLITAN REFINING CO., INC.**  
50-23-23rd STREET, LONG ISLAND CITY, N.Y. 11101

NET CONTENTS MARKED ON CONTAINER

## DIRECTIONS FOR USE

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 VAPORENE FX-80 MICROBIOCIDE as directed. For best results, slug feed. The frequency of application of microbiocide needed depends on many factors. To optimize your use of VAPORENE FX-80 MICROBIOCIDE, follow this procedure.

### Recirculating Cooling Towers

1. Initially use 26 fluid ounces of VAPORENE FX-80 per 1000 gallons of water to be treated (20 ppm active quaternary).

Should the above dosage not give satisfactory results, use 39 fluid ounces per 1000 gallons of water.

Repeat the initial dose of VAPORENE FX-80 every seven days or increase the frequency if needed.

2. When the above treatment level is successful use 9 to 13 fluid ounces of VAPORENE FX-80 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; slug fed every seven days.

Dilute the appropriate amount of VAPORENE FX-80 MICROBIOCIDE in 1 or 2 gallons of water then add to the tower. Note, this product weighs 8.16 lbs. per gallon (at 20°C).

Should tower be heavily fouled, a precleaning is required.

VAPORENE FX-80 MICROBIOCIDE will control algae and bacterial slimes found in recirculating cooling tower waters and on field water feed. VAPORENE FX-80 MICROBIOCIDE helps clean and loosen slime debris from cooling and flooding system surfaces. When used in slug doses, no other microbiocide is required. VAPORENE FX-80 MICROBIOCIDE is concentrated to use because it is concentrated. It should be handled with care.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS

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 discharge effluent containing this active ingredient into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

## STORAGE AND DISPOSAL

**STORAGE:** Keep product dry in tightly closed container when not in use. Store in a cool, dry, well ventilated area away from heat, open flames, organic chemicals and sunlight. Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

### CONTAINER DISPOSAL

#### DO NOT REUSE EMPTY CONTAINER

Triple rinse the container (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, if only if allowed by state and local authorities. If burned, stay out of smoke.

### PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

BEST AVAILABLE COPY

ACCEPTED

JUL 19 1985

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 10778-7