# DIRECTIONS FOR USE

Product should be added at a point in the tower where it will be thoroughly mixed with the recirculating water. Either metered into the incoming make-up water, added to the sump or metered into the recirculating line.

# INITIAL DOSE

In a clean system, with no algae or microbial slime growth visible, add three gallons of Alpha Microbiocide 100 per 10,000 gallons of cooling water.

If algae and microbial slime growth is visible, add six gallons of Alpha Chem Microbiocide 100 per 10 000 gallons of cooling water.

# SUBSEQUENT TREATMENT

Towers With Continuous Feed Equipment

After the initial dose, maintain a cencentration of 10 ppm active ingredient by continuously feeding Alpha Chem Microbiocide 100 at a rate of one gallon per 10,000 gallons of "bleed-off". If algae or microbial slime growth becomes visible, add three gallons of Alpha Chem Microbiocide 100 per 10,000 gallons of cooling water as a "slug dose." This "slug dose" should be followed with the regular maintenance concentration of 10 ppm active ingredient.

Towers Without Continuous Feed Equipment

After the initial dose, add one to three gallons of Alpha Chem Microbiocide 100 per 10,000 gallons of cooling water once per week or more often if needed to prevent algae or microbial slime growth. If growth becomes visible, a "slug dose" of three to six gallons of Alpha Chem Microbiocide 100 should be added to the cooling water. This slug dose should then be followed by the regular maintenance dose.

**DANG**

**KEEP OUT OF REACH**
**See side panel for additi**

FOR USE IN RECIRCULATING W

# ALPHA CHEM MICR

Active Ingredient:
n--Alkyl (50%$C_{14}$, 40%$C_{12}$, 10%$C_{16}$) chloride
Inert Ingredients:

Total

**NET CONTENTS 1 U.S. GALLON**

**MANUFACTU**
**ALPHA CHEMICAL SERVICES,**

ACCEPTED

September 26, 1974

UNDER THE FEDERAL INSECTICIDE FUNGICIDE AND RODENTICIDE ACT FOR ECONOMIC PURPOSES REGISTERED UNDER NO. 10634-5 SUBJECT TO ATTACHED COMMENTS.

TOWERS

E-100

monium

10%

90%

100%

O. 10634-5

MASS.

# 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 as well as oxygen and measures to support breathing manually or mechanically may be needed. If persistent, convulsions may be controlled by the cautious intravenous injection of a short-acting barbituate drug.

# NOTE

Alpha Chem Microbiocide 100 is for use in industrial recirculating open water systems to control the growth of algae, fungi and bacteria.

Rinse empty container thoroughly with water and discard it.

This product is toxic to fish. Treated effluent should not be discharged where it will drain into lakes, streams, ponds, or public water, and apply this product only as specified on the label.

## SANITIZATION OF EATING UTENSILS AND FOOD HANDLING EQUIPMENT

Clean dishes, silverware, cooking utensils and food handling equipment with a suitable detergent and rinse to remove food soils. Then immerse in a solution containing 1 ounce of ALPHA BAC in 4 gallons of water a[illegible]let air dry. Do not towel dry. It is not necessary to rinse sanitized articles with potable water before reuse.

## SANITIZATION OF FOOD PROCESSING EQUIPMENT

To sanitize beverage and food processing or handling equipment, first clean thoroughly and rinse to remove soils. Then brush or sponge equipment with a solution containing 1 ounce of ALPHA BAC in 4 gallons of water. This solution should be circulated through transfer lines, blending vessels and filling equipment to thoroughly sanitize all areas that contact food. Allow equipment to drain before reuse.

## SANITIZATION OF DAIRY EQUIPMENT

After milking, rinse equipment with potable warm water. Then wash equipment thor[illegible]ghly with a suitable detergent and rinse with potable water to remove all soil and milk solids. Sanitize [illegible] sponging or brushing equipment with a solution containing 1 ounce of ALPHA BAC in 4 gallons of water. Freshly prepared sanitizing solutions should be circulated through milking machines, transfer lines and bulk holding equipment to assure thorough sanitization of those surfaces that contact milk. Allow equipment to drain dry after sanitization. It is not necessary to rinse sanitized equipment with potable water before reuse.

For udder and flank washing, prepare a solution containing 1 ounce of ALPHA BAC in 4 gallons of warm water. Wash udder and flanks, using a fresh towel or sponge for each cow. Avoid contamination of sanitizing solutions with dirt or soil. Be certain the area to be treated is thoroughly wetted with the sanitizing solution.

This product fulfils the criteria of Appendix F, of the Grade "A" Pasteurized Milk Ordinance, 1965 Recommendations of the U.S. Public Health Service in waters up to 550 ppm (32 grams per gallon) of hardness calculated as $CaCO_3$ when tested by the method outlined by Chambers.

## DANGER:

KEEP OUT OF REACH OF CHILDREN. Corrosive, causes severe eye and skin damage. Do not get in eyes, on skin or 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 as well as oxygen and measures to support breathing manually or mechanically may be needed. If persistent, convulsions may be controlled by the cautious intravenous injection of a short-acting barbituate drug.

ACCEPTED