

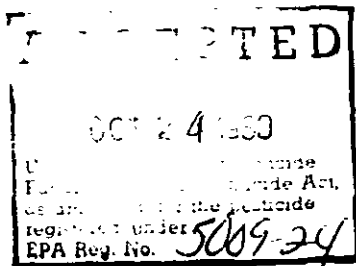
## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER.** May be harmful or fatal if swallowed. Causes severe burns to eyes. May burn skin. Do not get in eyes on skin, or on clothing. Wear goggles when handling. Wash thoroughly with soap and water after handling. Wash contaminated clothing before reuse.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Do not discharge into lakes, streams, ponds or public waters unless in accordance with an NPDES permit. For guidance contact your Regional Office of the EPA.



# X-CIDE® 508

## Industrial Microbiocide

FOR USE IN INDUSTRIAL PROCESSES ONLY. NOT FOR DOMESTIC USE

### ACTIVE INGREDIENTS

2,2-Dibromo-3-nitrilo propionamide 20.0%

### INERT INGREDIENTS

Total 80.0%

100.0%

**KEEP OUT OF REACH OF CHILDREN**

## DANGER

SEE SIDE COLUMNS FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG. NO. 5009-24

EPA EST. NO. 5009-MO-1, CA-1, TX-1

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

RECOMMENDED USE CONCENTRATION 30-500 PPM OF X-CIDE, AS NEEDED. SEE DATA SHEET.

### STORAGE AND DISPOSAL

Do not reuse empty drum. Triple rinse and return to drum reconditioner or destroy by perforating or crushing and bury in a safe place. Consult federal, state or local disposal authorities for approved alternative procedures.

### 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.

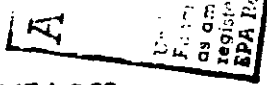
### NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

55 U.S. GAL. AT 60 F.

GROSS WT.

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**ADVANTAGES:**

efficient and economical microbiological control.

Non-oxidizing and non-volatile, it will not attack cooling tower wood at use concentrations.

Non-corrosive to metals in the cooling water system.

Nonflammable.

Compatible with other cooling water treatment materials at use concentrations.

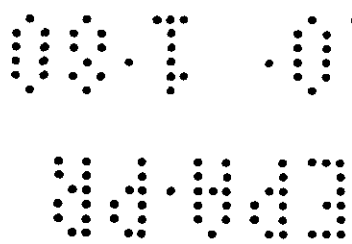
Controls the buildup of deposits caused by slime formation.

**TYPICAL PHYSICAL PROPERTIES:**

Form:	Liquid, pale green to reddish-brown
Weight:	10.5 lb./gal.
Specific Gravity:	1.26
Odor:	Little or none
Pour Point:	-30°F

**APPLICATION:**

Industrial Recirculating Water Cooling Towers:



Treatment Levels: Bacterial growths in cooling water systems can be controlled by adding 0.12 to 1.2 fluid ounces X-CIDE 508/1,000 gal. of water in the system (this is equivalent to 1.2 ppm to 12.0 ppm). The amount of X-CIDE 508 required will depend on the nature and extent of contamination, quality of the makeup water, and the degree of control required.

Intermittent or Slug Method:

Initial Dose: When the system is noticeably fouled, add 0.6 to 1.2 fluid oz. (6 ppm to 12 ppm) X-CIDE 508/1,000 gal. of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.3 to 1.2 fluid oz. (3 ppm to 12 ppm) X-CIDE 508/1,000 gal. of water in the system every 4 days, or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

The Tretolite representative will make specific recommendations concerning the use of TOLSPERSE dispersants and KONTOL KI acid corrosion inhibitors in the clean up of badly fouled systems.

Continuous Feed Method:

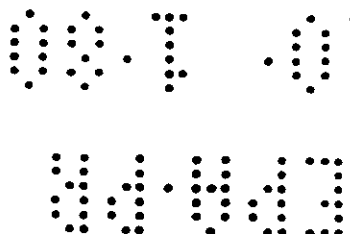
Initial Dose: When the system is noticeably fouled, add 0.6 to 1.2 fluid oz. (6 ppm to 12 ppm) X-CIDE 508/1,000 gal. of water in the system. Subsequently, maintain this level by pumping a continuous feed of 0.06 to 0.6 fluid oz. (0.6 ppm to 6 ppm) X-CIDE 508/1,000 gal. of water in the system lost by blowdown.

Method of Addition: Feed the X-CIDE with a metering pump directly into the basin. It can be added continuously or intermittently, as necessary to maintain control. Control should be based on visual inspection, microbiological analyses, and specific recommendations of the Tretolite representative.

Oil Field and Petrochemical Systems:

X-CIDE 508 may be used either in slug treatment or in continuous application. Dosages may vary from as much as 200 ppm of X-CIDE 508 in slug application to 10 to 50 ppm of X-CIDE 508 in continuous treatment (1/4 pt. of X-CIDE per 1,000 gallons of water equals approximately 30 ppm). A typical slug treatment is to add 1 pint of X-CIDE per 1,000 gallons at intervals as needed to prevent growth of microbial slime. Badly fouled systems may be slug treated to establish control, followed by continuous treatment to maintain control.

Your Tretolite representative will make a specific recommendation for your system.



Paper Mills:

Treatment Levels: Bacterial, fungal, and yeast growths in pulp, paperboard and paperboard mills can be controlled by adding X-CIDE 508 at the rate of 0.15 to 0.50 lb./ton of paper (dry basis). Addition may be continuous or intermittent depending upon the type of system and the severity of contamination. It should be added through a metering pump at a location which will insure uniform distribution in the mass of fiber and water.

Heavily Fouled Systems: First boil out the system. Then treat with 0.15 to 0.50 lbs. X-CIDE 508/ton of paper as necessary for control.

Moderately Fouled Systems: Treat continuously with 0.35 to 0.50 lbs. X-CIDE 508/ton paper until control is accomplished. Reduce addition rate to 0.15 to 0.35 lbs. of X-CIDE 508/ton paper, as needed for control.

Slightly Fouled Systems: Treat continuously with 0.15 to 0.35 lbs. X-CIDE 508/ton paper until control is achieved. Add on an intermittent basis as required to maintain control.

X-CIDE 508 should not be used in the production of paper or paperboard that will come in contact with food.

**DANGER:**

This product is toxic to fish and birds. Do not discharge into lakes, streams, ponds or public waters unless in accordance with an NPDES permit. For guidance, contact your Regional Office of the EPA.

X-CIDE 508 may be harmful or fatal if swallowed; causes severe burns of eyes; may burn skin. Do not get in eyes, on skin or on clothing. Wear goggles when handling; wash thoroughly with soap and water after handling.

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