

DIVISION
SAINT LOUIS, MISSOURI

DANGER

X-CIDE® 508 Industrial Micro

EPA EST. NO.

FOR USE IN INDUSTRIAL PROCESSES ONLY. NOT FOR DOMESTIC USE. SEE DATA SHEET.

EI

**KEEP
OUT OF
REACH
OF
CHILDREN**

ACTIVE INGREDIENTS

2,4-Dichlorophenoxyacetic acid

2,4,5-Trichlorophenoxyacetic acid

INERT INGREDIENTS

80%

2%

DANGER — May be harmful or fatal if swallowed. Causes severe irritation of eyes. May burn skin. Do not get in eyes. Avoid skin contact. Irritation. Wear goggles when handling. Wash thoroughly with soap and water after handling. Wash contaminated clothing before reuse.

FIRST AID — In case of eye contact, flush eyes with plenty of water for at least 15 minutes. In case of skin contact, wash with soap and plenty of water. Wash contaminated clothing before reuse. If swallowed, induce vomiting by tickling finger down the throat or by giving 1 cup of water. Do not give water to drink. Repeat until vomit is clear. If inhaled, remove to fresh air. If breathing is difficult, give artificial respiration. If necessary, give oxygen.

55 U.S. GAL AT 60° F.

G



DIVISION

SAINT LOUIS, MISSOURI

5004

DANGER

X-CIDE® 508 Industrial Micro

EPA EST. N

FOR USE IN INDUSTRIAL PROCESSES ONLY. NOT FOR DOMESTIC USE. SEE DATA SHEET.

E

**KEEP
OUT OF
REACH
OF
CHILDREN**

ACTIVE INGREDIENTS

2,2-Dibromo-3-nitrilo
propionamide 20%

INERT INGREDIENTS 80%
100%

DANGER — 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. Wash contaminated clothing before reuse.

FIRST AID — In case of eye contact, flush eyes immediately with plenty of water for at least 15 minutes and get medical attention. In case of skin contact, wash with soap and plenty of water. Wash contaminated clothing before reuse. If swallowed, induce vomiting by sticking finger down the throat or by giving soapy or strong salty water to drink. Repeat until vomit is clear. Call a physician. Never give anything by mouth to an unconscious person.

This product will drain in public water by cleaning wastes.

Do not reuse crushing and from water

Apply this Data Sheet.

55 U.S. GAL. AT 60° F.

G

TRETOLITE

DIVISION

SAINT LOUIS, MISSOURI

5009-24

® 508 Industrial Microbiocide

EPA EST. NO. 5009-CA-1; MO-1

PROCESSES ONLY. NOT FOR DOMESTIC USE. SEE DATA SHEET.

EPA REG. NO. 5009-24

DANGER — 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. Wash contaminated clothing before reuse.

FIRST AID — In case of eye contact, flush eyes immediately with plenty of water for at least 15 minutes and get medical attention. In case of skin contact, wash with soap and plenty of water. Wash contaminated clothing before reuse. If swallowed, induce vomiting by sticking finger down the throat or by giving soapy or strong salty water to drink. Repeat until vomit is clear. Call a physician. Never give anything by mouth to an unconscious person.

This product is toxic to fish. Treated effluent should not be discharged where it will drain into lakes, streams, ponds, or public water. Do not contaminate water by cleaning of equipment, or disposal of wastes.

Do not reuse empty drum. Destroy by crushing and burying in a safe place away from water supplies.

Apply this product only as specified in Data Sheet.

L. AT 60° F.

GROSS WT.

TRETOLITE DIVISION

XCIDE INDUSTRIAL MICROBIOCIDES XCIDE 508

DESCRIPTION:

XCIDE 508 is a unique, brominated chemical which has been designed to provide broad-spectrum control of microbial growths in recirculating water cooling towers, in oil field and petrochemical water injection systems, producing systems, and tank bottoms and for paper mills.

The active ingredient in XCIDE 508 has been tested extensively in field installations and is compatible with cooling-tower systems.

The rate of chemical hydrolysis of XCIDE 508 is properly balanced since the chemical is sufficiently stable to allow it to act as an anti-microbial.

This bulletin is designed to assist in the use of XCIDE 508. It includes application rates, procedures, and properties of XCIDE 508. Tretolite offers the service of trained professional personnel to assist in the determination of levels and rates of treatment to provide an efficient and economical microbiological control.

ADVANTAGES:

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 XCIDE 508/

1,000 gal. of water in the system (this is equivalent to 1.2 ppm to 12.0 ppm). The amount of XCIDE 508 required will depend on the nature and extent of contamination, quality of the make up water, and the degree of control required.

Campanella, Inc.
Floor Cop.

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) XCIDE 508/1000 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) XCIDE 508/1000 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) XCIDE 508/1000 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) XCIDE 508/1000 gal. of water in the system lost by blowdown.

Method of Addition: Feed the XCIDE 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:

XCIDE 503 may be used either in slug treatment or in continuous application. Dosages may vary from as much as 200 ppm of XCIDE 503 in slug application to 10 to 50 ppm of XCIDE 503 in continuous treatment ($\frac{1}{2}$ pt. of XCIDE per 1000 gallons of water equals approximately 30 ppm.) A typical slug treatment is to

add 1 pint of XCIDE per 1000 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 XCIDE 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. XCIDE 508/ton of paper as necessary for control.

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

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

XCIDE 508 should not be used in the production of paper or paper board that will come in contact with food.

This product is toxic to fish. Treated effluent should be discharge where it will drain into lakes, streams, ponds or public water. Do not contaminate water by cleaning of equipment or disposal of waste. Apply this product only as specified in this sheet.

XCIDE 508 may be harmful or fatal if swallowed; causes severe burn 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.

EPA Registration Number 5099-24

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