



TRETOLITE

DIVISION

SAINT LOUIS, MISSOURI

X-CIDE® 18 Industrial Microbiocide

DANGER

EPA EST. NO.

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

KEEP
OUT OF
REACH
OF
CHILDREN

ACTIVE INGREDIENTS

1. 2,4-Dichlorophenoxyacetic acid
2. 2,4-Dichlorophenoxyacetic acid

INERT INGREDIENTS

1. Water
2. Sodium hydroxide

DANGER - May be harmful if inhaled or swallowed. May irritate eyes. May burn skin. Do not get in eyes. Wear goggles when handling. Wash thoroughly after handling. Wash contaminated clothing.

PRECAUTIONS - Avoid contact with skin and eyes. If contact occurs, wash with soap and water. In case of severe eye irritation, flush with water for 15 minutes. If swallowed, do not induce vomiting. Seek medical attention.

55 U.S. GALLONS AT 50%

GE



TRETOLI

DIVISION

SAINT LOUIS, MISSOURI

DANGER

X-CIDE® 18 Industrial Microbicide

EPA EST. NO. 100-100-01

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

**KEEP
OUT OF
REACH
OF
CHILDREN**

ACTIVE INGREDIENTS	
2,2-Dibromo-3-nitrilo propionamide	20%
INERT INGREDIENTS	80%
	<hr/> 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 is a water-soluble liquid. It should be disposed of as a liquid waste. Do not reuse. Do not crush and do not mix with other wastes. Do not discharge into public water. Dispose of by cleaning or other means.

Do not reuse. Do not crush and do not mix with other wastes. Do not discharge into public water. Dispose of by cleaning or other means.

Apply this product according to the instructions on the Data Sheet.

55 U.S. GAL. AT 60° F.

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TRETOLITE

DIVISION

SAINT LOUIS, MISSOURI

E[®] 18 Industrial Microbiocide

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

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

EPA REG. NO. 5009-25

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 18

DESCRIPTION:

XCIDE 18 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 18 has been tested extensively in field installations and is compatible with cooling-tower systems.

The rate of chemical hydrolysis of XCIDE 18 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 18. It includes application rates, procedure, and properties of XCIDE 18. 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 no odor
Pour Point:	-30° F

APPLICATION:

Industrial Recirculating Water Cooling Towers:

Treatment Levels: Microbial growth in cooling water systems can be controlled by adding 0.12 to 1.2 fluid ounces XCIDE 18/

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1,000 gal. of water in the system (this is equivalent to 1.2 ppm to 12.0 ppm). The amount of XCIDE 18 required will depend on the nature and extent of contamination, quality of the make-up 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) XCIDE 18 /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 18 /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 18 /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 18 /1000 gal. of water in the system led 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 18 may be used either in slug treatment or in continuous application. Dosages may vary from as much as 100 ppm of XCIDE 18 in slug application to 10 to 50 ppm of XCIDE 18 in continuous treatment (1 pt. of XCIDE per 1000 gallons of water equals approximately 30 ppm.) For typical dosages, consult

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 18 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 18 /ton of paper as necessary for control.

Moderately Fouled Systems: Treat continuously with 0.35 to 0.50 lbs. XCIDE 18 /ton paper until control is accomplished. Reduce addition rate to 0.15 to 0.35 lbs. of XCIDE 18 /ton paper, as needed for control.

Slightly Fouled Systems: Treat continuously with 0.15 to 0.35 lb. XCIDE 18 /ton paper until control is achieved. Add on an intermittent basis as required to maintain control.

XCIDE 18 should not be used in the production of paper or paperboard that will come in contact with food.

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

XCIDE 18 may be harmful or fatal if swallowed; can irritate eyes; may burn skin. Do not get in eyes, on skin, or on clothes. Wear goggles when handling; wash thoroughly with soap and water after handling.

EPA Registration Number 675-25

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