

PETROLITE
CORPORATION

TRETOLITE

DIVISION

SAINT LOUIS, MISSOURI

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER Harmful or fatal if swallowed. Vapor harmful. Avoid breathing spray mist or vapors. Do not get on skin. Corrosive. Causes eye damage and skin irritation. Do not get in eyes or on clothing. Wear goggles or face shield and rubber gloves when handling. Avoid contamination of food.

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.

PHYSICAL OR CHEMICAL HAZARDS

FLAMMABLE - Keep away from heat and flame.

X-CIDE® 215 Industrial Microbiocide

FOR USE IN INDUSTRIAL PROCESSES ONLY. NOT FOR DOMESTIC USE.

ACTIVE INGREDIENTS

5-Chloro-2-methyl-4-isothiazolin-3-one 11

2-Methyl-4-isothiazolin-3-one 30

INERT INGREDIENTS 59

100%

KEEP OUT OF REACH OF CHILDREN

DANGER

SEE LEFT COLUMN FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG. NO. 5009-32
EPA EST. NO. 5009-MO-1-CA-1-1X-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: SEE DATA SHEET.

STORAGE AND DISPOSAL

STORAGE - Do not contaminate water, food or feed by storage or disposal.

DISPOSAL - Do not reuse empty drum. Triple rinse and return to drum recycler or destroy by perforating, 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 eye 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 or white gelatin solution or, if these are not available, drink large quantities of water. Avoid vomiting. Call a physician immediately. If inhaled, remove immediately to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Call a physician.

NOTE TO PHYSICIAN - Prepare mucosal irritant may contribute to the cause of a strict larynx. Measures should immediately be taken to relieve depression and consult a physician.

55 U.S. GAL. AT 60°F

GROSS WT



PETROLITE DIVISION

X-CIDE 215

DESCRIPTION:

X-CIDE 215 is an effective product for use in the control of slime forming bacteria and sulfate reducing bacteria in oilfield waters. X-CIDE 215 is not recommended for potable water or where contamination of potable water can occur.

TYPICAL PROPERTIES:

Active ingredients:

5-Chloro-2-methyl-4-isothiazolin-3-one	1.15%
2-Methyl-4-isothiazolin-3-one	0.35%
	<u>1.50%</u>

Inert Ingredients:

98.50%

Appearance: Light green to yellow clear liquid

Odor: Mild

Miscibility: Miscible with water, methanol, ethanol, isopropyl alcohol, acetic acid, 3.5 parts n-butanol. Immisible with acetone.

Specific Gravity: 1.02

Density: 8.4 lbs. per gallon

pH: 3.0 to 5.0

Flash Point
SFCC: >230°F

ASTM Pour
Point: +30°F

ACCEPTED
SEP 17 1981
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended for the pesticide registered under EPA Reg. No. 5009-32

STORAGE:

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. If plastic, do not reuse empty container.

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X-CIDE 215

HANDLING:

Danger: X-CIDE 215 is corrosive. Causes eye damage and skin burns. May cause allergic skin reaction. May be harmful if inhaled. May be fatal if swallowed or absorbed through the skin.

Do not get in eyes, on skin, on clothing. Wear goggles or face shield and rubber gloves when handling. Avoid breathing vapor or mist. Avoid contamination of food. Do not take internally. Wash thoroughly after handling.

DIRECTIONS FOR USE:

The following is a summary of dosage and feeding recommendations for each use of X-CIDE 215:

Oilfield Injection Waters

For the control of slime forming bacteria and sulfate reducing bacteria in oilfield waters, slug treat with 67-332 ppm X-CIDE 215 1.5% depending on the severity of contamination.

Initial Dose:

Add 166-332 ppm X-CIDE 215 (6.9-13.9 gallons or 58.0-116.9 pounds X-CIDE 215 per 1000 barrels of water) at a point in the system where it will be uniformly mixed. Repeat treatment after three days or as needed until control is achieved.

Subsequent Dose:

Add 67-166 ppm X-CIDE 215 (2.8-6.9 gallons or 23.5-58.0 pounds X-CIDE 215 per 1000 barrels of water) every seven days or as needed to maintain control. X-CIDE 215 weighs 8.4 lbs. per gallon.



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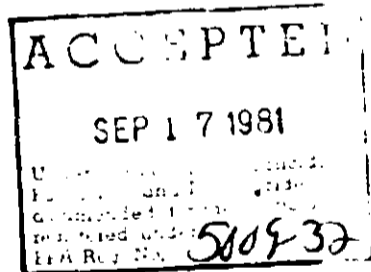
X-CIDE 215

DISPOSAL:

Pesticide or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies. Triple rinse (or equivalent) all containers and, for metal containers, offer for recycling or reconditioning (for plastic containers dispose in an incinerator), or dispose in landfill approved for pesticide containers or 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. If inhaled, remove immediately to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Call a physician.



Note to Physician: Probably mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

Date: 9/81

EPA Registration Number: 5009-32



TRETOLITE

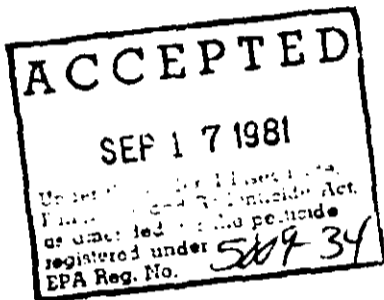
X-CIDE INDUSTRIAL BACTERICIDE X-CIDE 105

GENERAL DESCRIPTION:

X-CIDE 105 is a formulated, liquid, aldehyde type bactericide.

RECOMMENDED USE:

XC-105 will control bacteria found in waters associated with petroleum production. It will control bacteria in water which collects in tank bottoms, in water for water flooding operations, in water disposal systems, gas transmission and completion fluids.



X-CIDE 105 may be applied in systems used to treat injection water immediately ahead of water deoiling equipment such as the WEMCO* Depurator, in the clear water holding tank, or at the suction side of the injection pump.

X-CIDE 105 should be used full strength in concentrations of 15 ppm of XC-102 on a continuous basis or in slug applications to 250 ppm of XC-105 (1/8 pint per 1000 gallons equals approximately 15 ppm). A typical slug application is 1/2 pint per 1000 gallons.

TYPICAL PHYSICAL PROPERTIES:

Specific Gravity	1.124
Pounds per gallon 60°F	9.33
Cold Test	-10°F
Flash Point	none

HANDLING:

X-CIDE 105 is an industrial chemical and all the normal precautions used in handling industrial chemicals should be observed. Do not store in unlined steel containers.

First aid instructions are stated on the drum label. Contaminated skin or eyes should be flushed with water.

SHIPPING:

X-CIDE 105 is shipped in 55-gallon nonreturnable steel drums, F.O.B. St. Louis, Missouri

ENVIRONMENTAL HAZARDS:

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.

* Trademark Envirotech Corporation

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER Harmful or fatal if swallowed. Avoid contact with skin. Avoid breathing mist, spray, dust or vapors. Do not get on skin. Corrosive. Causes eye damage and irritation. Irritates nose and throat. Causes dizziness. Wear goggles to protect eyes and gloves when handling. Avoid contact with clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. It may also change pH, lakes, streams, ponds or public waters. Do not discharge into water without NPDES permit. For more information, contact your Regional Office of the EPA.



X-CIDE® 105 Industrial Bactericide

FOR USE IN INDUSTRIAL PROCESSES ONLY. NOT FOR DOMESTIC USE.

ACTIVE INGREDIENTS

Quaternary Ammonium

INERT INGREDIENTS

100%

KEEP OUT OF REACH OF CHILDREN

DANGER

SEE SIDE COLUMNS FOR ADDITIONAL PRECAUTIONARY STATEMENTS
EPA REG. NO. 5009-34
EPA EST. NO. 5009-M01-CA1-TX1

DIRECTIONS FOR USE

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

RECOMMENDED USE CONCENTRATION: 100-500 PPM OF X-CIDE AS NEEDED. SEE DATA SHEET.

STORAGE AND DISPOSAL

Do not use empty drum. To prevent an accident return to drum reconditioner or destroy by perforating or crushing and bury in safe place. Consult federal, state or local disposal authorities for approved alternative procedures.

FIRST AID

If you get it on skin, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician at once and wash contaminated clothing before re-use. If swallowed, drink promptly a large quantity of water or weak tea solution or, if these are not available, drink large quantities of water. Avoid vomiting or applying emetics.

NOTE TO BUYER

Produce manufacturer may contact the use of X-CIDE 105. Measure against capacity of stock tank. Protective equipment may be needed.

55 U.S. GAL. AT 60°F

GROSS WT