

**PETROLITE  
CORPORATION**

# TRETOLITE

**DIVISION  
SAINT LOUIS, MISSOURI**

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER** Corrosive. Harmful or fatal if swallowed. Vapor harmful. Avoid breathing spray mist or vapors. Do not get on skin. Causes eye damage and skin irritations. 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.

## X-CIDE<sup>®</sup> 211 Industrial Microbiocide

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

### ACTIVE INGREDIENTS

5-Chloro-2-methyl-4-isothiazolin-3-one	5.6
2-Methyl-4-isothiazolin-3-one	2.67

### INERT INGREDIENTS

88.8%
100.0%

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

SEE LEFT COLUMN FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG. NO. 5009-33  
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 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 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. 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:** 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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## **TRETOLITE DIVISION**

**X-CIDE 211**

**DESCRIPTION:**

X-CIDE 211 is a highly effective product for use in controlling the growth of bacteria, algae, and fungi found in industrial recirculating water cooling towers, and for the control of slime-forming bacteria and sulfate reducing bacteria in oilfield waters. X-CIDE 211 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	8.6% min
2-Methyl-4-isothiazolin-3-one	2.6% min
	11.2% min

**Inert ingredients:**

88.8% max

**Appearance:**

Reddish-brown slightly viscous liquid

**Odor:**

Mild

**Miscibility:**

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

**Stability:**

X-CIDE 211 as supplied is stable at least 6 months at 50°C

**Specific Gravity:**

1.25 (weight of active ingredients 1.17 lb/gallon minimum)

**pH:**

2.0 to 4.0

**Viscosity, cps:**

19.0 at 15°C; 16.0 at 25°C;

**Flash point SFCC:**

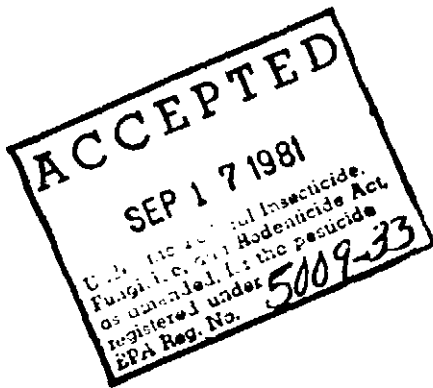
>200°F

**ASTM pour point:**

45°F

**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 211

### **HANDLING:**

Danger - X-CIDE 211 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 211:

#### Oilfield Injection Waters

For the control of slime forming bacteria and sulfate reducing bacteria in oilfield waters, slug treat with 7-36 ppm X-CIDE 211 depending on the severity of contamination.

#### Initial Dose:

Add 18-36 ppm X-CIDE 211 (0.75-1.5 gallons or 7.8-15.6 pounds X-CIDE 211 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 7-18 ppm X-CIDE 211 (0.3-0.75 gallons or 3.1-7.9 pounds X-CIDE 211 per 1000 barrels of water) every seven days or as needed to maintain control.

#### Industrial Recirculating Water Cooling Towers:

For the control of bacteria, algae and fungi add X-CIDE 211 to the tower basin, distribution box or some other point to insure uniform mixing.

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X-CIDE 211

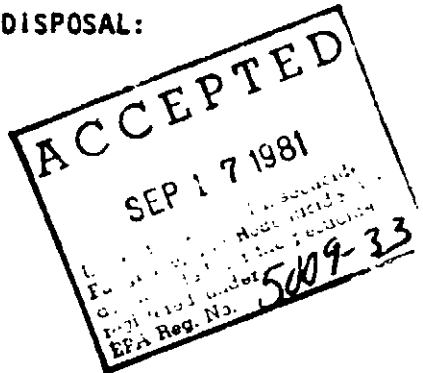
### Initial Dose:

When the system is noticeably fouled apply 0.33 to 1.0 pound (4 to 11 fluid ounces) of X-CIDE 211 per 1000 gallons of water in the system. Repeat until control is achieved.

### Subsequent Dose:

When microbial control is evident add 0.17 to 0.25 pounds (2 to 3 fluid ounces) of X-CIDE 211 per 1000 gallons of water in the system weekly or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

### 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:

### DANGER: CORROSIVE

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, gelating 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: 5009-33