



# TRETOLITE

## X-CIDE 233 INDUSTRIAL MICROBIOCIDE

### GENERAL DESCRIPTION:

X-Cide 233 is a formulated, liquid, aldehyde type bactericide.

#### Active Ingredients:

Formaldehyde	31.56%
5-Chloro-2-methyl-4-isothiazolin-3-one	0.38%
2-Methyl-4-isothiazolin-3-one	0.12%
	<u>32.06%</u>

#### Inert Ingredients:

67.94%

X-Cide 233 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, and in gas transmission and storage systems.

X-Cide 233 is especially recommended for controlling sulfate reducing bacteria in water to be used for polymer treated waterflood programs. X-Cide 233 does not interfere with the viscosity characteristics of the polymer agent.

X-Cide 233 may be applied in systems used to treat injection water immediately ahead of water deoiling equipment such as the WEMCO<sup>®</sup> Depurator, in the clear water holding tank, or at the suction side of the injection pump.

X-Cide 233 should be used full strength in concentrations of 100 ppm of X-Cide 233 on a continuous basis or in slug applications to 500-5000 ppm of X-Cide 233.

### DIRECTIONS FOR USE:

#### DRILLING MUDS AND WORKOVER OR COMPLETION FLUIDS:

X-Cide 233 is effective in controlling bacteria and fungi in water based drilling muds.

Treatment: X-Cide 233 should be added at 500-5000 ppm through the mud hopper or at the pump suction. A typical 500 ppm treatment is 2.1 gallons per 100 barrels into the drilling mud circulating system.

#### WELL STIMULATION AND FRACTURING:

X-Cide 233 is effective in controlling fungi and bacteria in guar gum based fracturing fluid systems.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAR 04 1963

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

5009-42

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Treatment: X-Cide 233 should be added to the storage tanks at 250-500 ppm and circulated. For example, a 250 ppm treatment is 5.25 gallons per 500 barrels fracturing tank.

**TYPICAL PHYSICAL  
PROPERTIES:**

Specific Gravity	1.08
Pounds per gallon 60°F	9.01
• Flash Point	156°F

**SHIPPING:**

X-Cide 233 is available in 5 and 55 gallon plastic lined drums or in bulk quantities from any Tretolite Distribution Center.

**HANDLING:**

X-Cide 233 is an industrial chemical and all precautions taken handling industrial chemicals should be observed.

This pesticide is toxic to fish. Do not discharge into lakes, streams, ponds or public waters unless in accordance with a NPDES permit. For guidance, contact your Regional Office of the Environmental Protection Agency. Apply this product only as specified.

**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:**

If swallowed: Do not induce vomiting. 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 physician immediately.

If inhaled: Remove immediately to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Call physician.

If on skin: Wash thoroughly with soap and water. Remove and wash contaminated clothing before reuse.

If in eyes: Flush with plenty of water for at least 15 minutes. Call a physician.

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