

## Product Information

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# ULTRACIDE ANTIMICROBIAL

### GENERAL DESCRIPTION

Ultracide is a 25% active glutaraldehyde that is very effective in killing and controlling bacteria found in oilfield applications. It is particularly effective controlling sulfate reducing bacteria (SRB's)

### APPLICATION

Ultracide is recommended for use in industrial, non-potable waters where a bacteria problem exists. Examples of Ultracide applications include:

- Disposal water systems
- Brine storage tanks
- Drilling mud make-up water
- Oil production water injection systems
- Maintenance injection systems associated with reservoir pressure
- Drilling mud systems

Ultracide is especially recommended for controlling anaerobic sulfate reducing bacteria (SRB's) in water to be used for polymer treated water flood programs. Ultracide does not interfere with viscosity characteristics of the polymer agent.

Ultracide may be applied in systems used to treat injection water immediately ahead of water de-oiling equipment in the clear water holding tank, or at the suction side of the injection pump.

Ultracide is also useful in controlling SRB's in drilling fluid systems. It can be used to sterilize make - up water tanks and also be used to treat drilling mud that may be contaminated from untreated make-up water.

### RECOMMENDED TREATMENT

Recommended dosages for slug treatments (the preferred treatment method) range from 0.1 to 1L/m<sup>3</sup> depending on the severity of the problem. Bacteria control may be maintained by the use of 30 to 50ppm of Ultracide on a continuous basis (30 mL/m<sup>3</sup>).

### TYPICAL PHYSICAL PROPERTIES

Appearance	Clear / Light Amber
Physical Form	Liquid
Specific Gravity, kg/m <sup>3</sup>	1.062
Flash point, SFCC	-8°C
Freeze Point	-17°C

### HANDLING

Ultracide is flammable and a class E corrosive material. See MSDS for specific instructions on safety and precautions.

### AVAILABILITY

Ultracide antimicrobial is available in 18.93L pails.