

2019-2065  
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# MAQUAT<sup>®</sup> 1010N-25-12CN

Water Treatment Microbiocide for Oil Field Water  
Flood, Fracturing Fluids, and Work Over Fluids

**Solution**

**COMMERCIAL**

**ACTIVE INGREDIENTS:**

Didecyl dimethyl ammonium chloride .....	12.5%
Glutaraldehyde .....	25.7%

**READ THE LABEL BEFORE USING**

**REGISTRATION NO. 31495 PEST CONTROL PRODUCTS ACT**

**DANGER**



**POISON**



**CORROSIVE TO  
EYES AND SKIN**

**MASON CHEMICAL COMPANY**

9075 Centre Pointe Drive  
Suite 400  
West Chester, OH 45069  
513-326-0600  
Toll Free: 1-800-70-PILOT

Net Contents:

Batch No:

MAQUAT 1010N-25-12CN is a microbiocide for use in controlling sulfate-reducing bacteria and preventing the growth of slime forming bacteria in drilling fluid systems, oil field water flood systems, packer fluid, and injection waters.

#### **DIRECTIONS FOR USE:**

For use in terrestrial oil fields only. Do not apply in marine and/or estuarine oil fields. To control algae and to prevent bacterial slimes, use MAQUAT 1010N-25-12CN as directed. The frequency of addition of microbiocide needed depends on many factors but should remain within the range of rates below. To optimize your use of MAQUAT 1010N-25-12CN, follow the procedures for water floods; frac fluids; drilling, completion and workover fluids; and packer fluids.

#### **WATER FLOODS**

This product must be added to the water flood at a point of uniform mixing.

**Initial Treatment:** When the system is noticeably contaminated, add 50 to 2500 ppm (on an actives basis) of this product to the system (0.5 to 24.8 Litres of this product per 3785 Litres flood water) to control slime forming and sulfate reducing bacteria. Levels for effective control will vary depending on conditions at the site. Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident, add 10 to 2500 ppm (on an actives basis) of this product (0.1 to 24.8 Litres of this product per 3785 Litres flood water) to the system weekly, or as needed to maintain control.

#### **FRAC FLUIDS**

This product reduces bacterial contamination and degradation of fracturing fluids and gels used in oil and gas well stimulations. Add this product to the frac water storage tanks or directly into the well head injection pipeline as the water is being pumped down-hole.

**Dose Range:** This product is to be added at a rate 50 to 1500 ppm on an actives basis (0.5 to 14.9 Litres of this product per 3785 Litres frac fluid) to control slime forming and sulfate reducing bacteria. Levels for effective control will vary depending on conditions at the site.

#### **DRILLING, COMPLETION, AND WORKOVER FLUIDS**

This product is to be added to these fluid systems at a point of uniform mixing such as a circulating, holding, or mud tank. Levels for effective control will vary depending on conditions at the site and the severity of the contamination.

**Initial Treatment:** Add 25 to 500 ppm (on an actives basis) of this product (1.04 to 20.81 Litres of this product per 15,900 Litres of fluid) to a freshly prepared fluid depending on the severity of contamination.

**Maintenance Dose:** Maintain a concentration of 25 to 500 ppm (on an actives basis) of this product by adding 1.04 to 20.81 Litres of this product per 15,900 Litres of additional fluid, or as needed, depending on the severity of contamination.

#### **PACKER FLUIDS**

This product is to be added to a packer fluid at a point of uniform mixing such as circulating holding tank {and} {other mixing device locations}. Add 25 to 300 ppm (on an actives basis) of this product (1.04 to 12.49 Litres of this product per 15,900 Litres of fluid). Levels for effective control vary depending on conditions at the site and the severity of contamination. Seal the treated packer fluid in the wall between the casing and the production tube.

**PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN.**

Corrosive to eyes, skin and mucous membranes. Causes severe eye and skin damage. Do not get in eyes, on skin or on clothing. Wear chemical resistant coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks, chemical-resistant footwear and a full-face respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides, or a NIOSH-approved canister approved for pesticides, during mixing, loading, application, clean-up and repair. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse.

Harmful or fatal if swallowed. May be fatal if inhaled. DO NOT inhale vapour or spray mist. Avoid contamination of food.

**ENVIRONMENTAL PRECAUTIONS:**

This product is toxic to fish and other aquatic organisms. It is not to be used in circumstances that would cause or allow it to enter lakes, streams, ponds, estuaries, oceans or other waters in contravention of federal or provincial regulatory requirements. Do not discharge effluent containing this product into sewer systems without previously notifying the sewage treatment plant authority. The requirements of applicable laws should be determined before using the product.

**FIRST AID:**

**If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**TOXICOLOGICAL INFORMATION:**

Treat symptomatically. Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

**DISPOSAL:**

1. Triple- or pressure-rinse the empty container. Add the rinsings to the treatment site.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

**NOTICE TO USER:**

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.