

KEEP OUT OF REACH OF CHILDREN

# CAUTION

## PRECAUTIONARY STATEMENTS

Hazards To Humans And Domestic Animals

**HARMFUL IF SWALLOWED, OR ABSORBED THROUGH THE SKIN OR INHALED. CAUSES MODERATE EYE IRRITATION.**

Avoid contact with eyes, skin, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

## ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

## STORAGE AND DISPOSAL

**STORAGE:** Freezes at 60 F. Store in a warm place

TRIS NITRO decomposes in the presence of alkaline materials. Protect from vapors of ammonia and amines during the handling and storage to prevent deterioration and release of formaldehyde.

### PESTICIDE DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or any approved waste disposal facility.

### CONTAINER DISPOSAL

**Nonrefillable container:** Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or, by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## LIMITED WARRANTY AND DISCLAIMER

Seller warrants that the product conforms to its chemical description as contained on this label and is reasonably fit for the purposes stated on this label when used in accordance with directions under normal conditions of use. THE WARRANTIES MADE IN THIS PARAGRAPH ARE SELLER'S SOLE WARRANTIES WITH RESPECT TO THE PRODUCT AND ARE MADE EXPRESSLY IN LIEU OF AND EXCLUDE ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES.

# AQUCAR™ TN 50

## WATER TREATMENT MICROBIOCIDES

### Active Ingredient(s):

2-Hydroxymethyl-2-nitro-1,3-propanediol ..... 51.5%

### Inert Ingredients

..... 48.5%

### Total

..... 100%

## KEEP OUT OF REACH OF CHILDREN CAUTION

### FIRST AID

<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to by a poison control center or doctor.</li> </ul>
<b>IF ON SKIN:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15–20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eyes open and rinse slowly and gently with water for 15–20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

### HOT LINE NUMBER

**IN CASE OF AN EMERGENCY** endangering life or property involving this product, call collect (989)636-4400.

Produced For



E.P.A. Registration No. 464-663

E.P.A. Est 48301-LA-1

**LICENSED**

**THE DOW CHEMICAL COMPANY**

Midland, Michigan 48674 U.S.A.

(989)636-4400

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PERIOD 2011-2013 LIC. NO.



**LICENSED**

**9197.318**

PERIOD 2014-2016 LIC. NO.

**NET CONTENTS: 4.43 gallons**

**NET WEIGHT: 45 lb / 20.412 kg**

# LOT No.

## DIRECTIONS FOR USE

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

### USE IN OIL AND GAS PRODUCTION

#### WATER FLOODS

Add this product to a water flood system at a point of uniform mixing. Add 7- 98 gallons of this product per 2000 barrels of water (50-700 ppm active ingredient) to the system weekly, or as needed to maintain control.

#### FRACTURING FLUIDS

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

Dose Range: Add 7- 98 gallons of this product per 2000 barrels of water (50- 700 ppm active ingredient) depending on the degree of bacterial fouling in the source water.

#### DRILLING, COMPLETION, AND WORKOVER FLUIDS

Add this product to a drilling fluid system at a point of uniform mixing such as the circulating mud tank.

Initial treatment: Add 7- 98 gallons per 2000 barrels of water (50-700 ppm active ingredient) of this product to a freshly prepared fluid depending on the severity of contamination.

Maintenance dosage: Maintain a concentration of 50-700 ppm active ingredient as needed, depending on the severity of contamination.

#### PACKER FLUIDS

Add this product to a packer fluid at a point of uniform mixing.

Add 7- 98 gallons of this product per 2000 barrels of water (50-700 ppm active ingredient) to a freshly prepared fluid depending on the severity of contamination. Seal the treated packer fluid in the wall between the casing and production tube.

#### INJECTION FLUIDS

For the control of contamination and corrosion from bacterial sources in fluids/waste fluids that are disposed of through injection into an approved well following approved guidelines, add this product in each volume of fluid prior to injection.

Frequency and Dose: Add 7-98 gallons of this product per 2000 barrels of water (50-700 ppm active ingredient) based on the water percent of the injection fluid.

#### WELL SQUEEZE FLUIDS

For the effective control of aerobic and anaerobic bacteria in squeeze fluids and downhole well bore areas, add this product during pre-mixing of the well squeeze fluid or (in the case of direct mix injection systems) an aqueous solution may be added by direct injection at the well head during the well squeeze procedure.

Frequency and Dose: Use this product for each well squeeze operation to ensure best results. Add 7- 98 gallons of this product per 2000 barrels of water (50-700 ppm), depending on the quality of the makeup water.

#### PRODUCED WATER

To inhibit the growth of slime -forming or corrosion -inducing sulfate-reducing bacteria in formation water produced by wells together with oil or gas, inject this product into the water -containing oil or gas stream at any convenient point. Inject as slug doses, not as a continuous feed.

Frequency and Dose: Depending on severity and rapidity of contamination, slug-dose this product from once a week to once a month at the rate of 7-98 barrels per 200 barrels of water (98-700 ppm).

**Not approved for use in California.**

### USE IN RECIRCULATING WATER SYSTEMS

For control of bacteria in industrial cooling towers and evaporative condensers, and closed recirculating water systems treat the system with 5-1000 ppm of active ingredient.

Initial Dose: When the system is noticeably fouled, add 6 oz-1 gallon of this product per 1000 gallons of water in the system (28.6-610 ppm active ingredient). Repeat until control is achieved. Badly fouled systems must be cleaned before initial treatment. Subsequent Dose: Add 2 oz- 1 quart of this product per 1000 gallons of water (9.5-152 ppm active ingredient) in the system as needed to maintain control.

This product should be added at a convenient point which will provide uniform mixing.