

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

DANGER

KEEP OUT OF REACH OF CHILDREN

Corrosive. Causes irreversible eye damage. Causes skin burns. Harmful if inhaled. May be fatal if swallowed. Harmful if absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Causes asthmatic signs and symptoms in hyper-reactive individuals.

Do not get in eyes, on skin, on clothing
Avoid breathing vapor. Do not swallow.
Wear goggles, protective clothing, and butyl or nitrile gloves.
Wash thoroughly with soap and water after handling.
Remove contaminated clothing and wash before reuse.

PHYSICAL AND CHEMICAL HAZARDS

Extremely Flammable! Keep away from heat, sparks and open flame.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. 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 HANDLING

AQUCAR GA 30LT Water Treatment Microbiocide is incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. AQUCAR GA 30LT Water Treatment Microbiocide can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. This product freezes at about -45.4° F (-43° C). Therefore, unless the storage tank is inside or underground, heating and insulation may be required. If heating is needed, exposure to high temperatures should be avoided. For short storage times (up to about 1 month), temperatures of up to 100° F (37.8° C) can be tolerated but the preferred maximum storage temperature is about 80° F (26.7° C).

A stainless steel centrifugal pump is suggested for transfer service. Spiral-wound stainless steel with TEFLON® Polymer is suitable for gaskets and packing.
Handle in a well-ventilated area. If vapors are irritating to the nose or eyes, special ventilation or respiratory protection (MSHA/NIOSH approved air purifying respirator equipped with an organic vapor cartridge) may be required.

STORAGE AND DISPOSAL

PESTICIDE DISPOSAL: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

Option to use for labels on nonrefillable containers of all sizes.

Nonrefillable Container. Triple or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Option to use for labels on refillable rigid tote containers.

Refillable Container. Refill this container with pesticide only. Do not reuse container for any other purpose. Cleaning of the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean container before final disposal, empty contents into application equipment and triple rinse. Pour or pump rinsate into application equipment or rinsate collection system. Then offer for recycling or puncture and dispose of in a sanitary landfill, or by incineration, or other procedures allowed by state and local authorities.

BEFORE USING THIS PRODUCT, SEE YOUR EMPLOYER AND READ THE MATERIAL SAFETY DATA SHEET.

AQUCAR™ GA 30LT Water Treatment Microbiocide

A MICROBIOCIDE FOR USE IN CONTROLLING BACTERIA INCLUDING SULFATE-REDUCING BACTERIA AND SLIME-FORMING BACTERIA IN OIL WELL DRILLING, OIL FIELD PROCESSING APPLICATIONS, OIL FIELD WATER SYSTEMS, OIL AND GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS, AND GAS STORAGE FIELDS AND EQUIPMENT; SUCH AS, STEAM-INJECTION WATER HOLDING TANKS, FLOOD WATER, FRACTURING FLUIDS, INJECTION WATER, HOLDING POND WATER, DISPOSAL-WELL WATER, WATER HOLDING TANKS, FUEL STORAGE TANKS AND RELATED REFINERY AND OIL FIELD CLOSED, INDUSTRIAL RECIRCULATING WATER HANDLING SYSTEMS.

Active Ingredient: Glutaraldehyde	30.0%
Inert Ingredients:	70.0%
	100.0%

DIRECTIONS FOR USE

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

WATER FLOODS

AQUCAR GA 30LT Water Treatment Microbiocide should be added to a water flood system at a point of uniform mixing.

Initial Treatment: When the system is noticeably contaminated, add 167 to 8,333 ppm AQUCAR GA 30LT Water Treatment Microbiocide to the system (0.17 to 8.4 gallons AQUCAR GA 30LT Water Treatment Microbiocide per 1,000 gallons flood water). Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 33 to 8,333 ppm AQUCAR GA 30LT Water Treatment Microbiocide (.033 to 8.4 gallons AQUCAR GA 30LT Water Treatment Microbiocide per 1,000 gallons flood water) to the system weekly, or as needed to maintain control.

FRAC FLUIDS

AQUCAR GA 30LT Water Treatment Microbiocide reduces bacterial contamination and degradation of fracturing fluids and gels used in oil and gas well stimulations. Add AQUCAR GA 30LT Water Treatment Microbiocide to the frac water storage tanks or directly into the well head injection pipeline as the water is being pumped down-hole. Dose Range: AQUCAR GA 30LT Water Treatment Microbiocide should be added at a rate of 100 to 5000 ppm (0.9 – 44.3 gals per 10,000 gallons) depending on the degree of bacterial fouling in the source water.

DRILLING, COMPLETION, AND WORKOVER FLUIDS

AQUCAR GA 30LT Water Treatment Microbiocide should be added to a drilling fluid system at a point of uniform mixing such as the circulating mud tank.

Initial Treatment: Add 90 to 1,665 ppm AQUCAR GA 30LT Water Treatment Microbiocide (0.38 to 7.1 gallons AQUCAR GA 30LT Water Treatment Microbiocide per 100 barrels of fluid) to a freshly prepared fluid depending on the severity of contamination.

Maintenance Dosage: Maintain a concentration of 90 to 1,665 ppm AQUCAR GA 30LT Water Treatment Microbiocide by adding 0.38 to 7.1 gallons of AQUCAR GA 30LT Water Treatment Microbiocide per 100 barrels of additional fluid, or as needed, depending on the severity of contamination.

PACKER FLUIDS

AQUCAR GA 30LT Water Treatment Microbiocide should be added to a packer fluid at a point of uniform mixing such as a circulating holding tank. Add 90 to 1,005 ppm AQUCAR GA 30LT Water Treatment Microbiocide (0.38 to 4.3 gallons AQUCAR GA 30LT Water Treatment Microbiocide per 100 barrels of fluid) 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.

OIL AND GAS PRODUCTION AND TRANSMISSION PIPELINE SYSTEMS

AQUCAR GA 30LT Water Treatment Microbiocide should be added to an oil/gas production or transmission line via direct injection. The application should be conducted to ensure maximum distribution of AQUCAR GA 30LT Water Treatment Microbiocide throughout the entire internal pipeline surface by adding a sufficient amount of biocide to detect/measure a residual concentration at the back end of the pipeline system. Criteria for success of the treatment will be a reduction in bacterial counts and/or reduced corrosion rates. To facilitate application, it may be desirable to dilute the AQUCAR GA 30LT Water Treatment Microbiocide with an appropriate solvent immediately before use. The concentration in the solvent should not fall below an active concentration range of 840 to 8340 ppm based on the volume of water in the pipeline. Injections to the system should be weekly, or as needed to maintain control.

HYDROTESTING

Water used to hydrotest pipelines or vessels should contain 165 to 6,660 ppm AQUCAR GA 30LT Water Treatment Microbiocide (0.17 to 6.7 gallons AQUCAR GA 30LT Water Treatment Microbiocide per 1,000 gallons water), depending on water quality and length of time the equipment will remain idle.

PIPELINE PIGGING AND SCRAPING OPERATIONS

Add AQUCAR GA 30LT Water Treatment Microbiocide to a slug of water immediately following the scraper (ideally this water volume can be kept to a minimum and contained between the scraper and a trailing pig). Sufficient AQUCAR GA 30LT Water Treatment Microbiocide should be added to produce a concentration of 0.15% to 1.7% (0.15 to 1.7 gallons AQUCAR GA 30LT Water Treatment Microbiocide per 100 gallons water), depending on the length of the pipeline and the severity of biofouling.



NOTICE
Do Not Ship or Store with Food,
Feeds, Drugs, or Clothing

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.

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LICENSED

PERIOD 2008-2010 LIC. NO. **9197.291**

KEEP OUT OF REACH OF CHILDREN DANGER

FIRST AID

If swallowed:	<ul style="list-style-type: none">• Call a poison control center or a doctor immediately for treatment advice.• DO NOT INDUCE VOMITING.• Do not give anything to drink.
If in eyes:	<ul style="list-style-type: none">• Wash immediately and continuously with flowing water for at least 30 minutes.• Remove contact lenses after the first 5 minutes and continue washing.• Obtain prompt medical consultation, preferably from an ophthalmologist.
If on skin or clothing:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15–20 minutes.• Call a poison control center or doctor for treatment advice.
If Inhaled:	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible.• Call a poison control center or a doctor for further treatment advice.

NOTE TO PHYSICIAN: Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.

Have the MSDS and, if available, the product container or label with you when calling a poison control center or a doctor, or going for treatment.

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

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

Produced for



THE DOW CHEMICAL COMPANY

Midland, Michigan 48674

(989) 636-4400

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Made in U.S.A.



LICENSED

PERIOD 2011-2013 LIC. NO.

E.P.A. Registration No. 464-714

E.P.A. Est. 10352-WV-001



LICENSED

PERIOD 2014-2016 LIC. NO.

9197.291

**NET WEIGHT: XXX lb / XXX kg
NET CONTENTS: XXX gallons
LOT NO:**