**AQUCAR™ 720 Water Treatment Microbiocides**

**Active Ingredient:** Glutaraldehyde 20%

**Inert Ingredients:** 80%

**Total:** 100%

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**FIRST AID**

**IF SWALLOWED:**
- If the person is fully alert and cooperative, have the person rinse mouth with plenty of water. Have the patient drink 4 to 10 ounces (120-300 ml) of water.
- Do not induce vomiting. Do not attempt mouth rinse if the person has respiratory distress, altered mental status, or nausea and vomiting.
- Call a physician and/or transport to emergency facility immediately. See Note to Physician.

**IF IN EYES:**
- 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 advice, preferably from an ophthalmologist.
- Call a poison control center or a doctor immediately for treatment advice.

**IF ON SKIN OR CLOTHING:**
- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15–20 minutes.
- Call a poison control center or a doctor for treatment advice.

**IF INHALED:**
- 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.

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**HOT LINE NUMBER**

**IN CASE OF AN EMERGENCY**

**NOTICE TO PHYSICIAN:** Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

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**STORAGE AND HANDLING**

AQUCAR 720 Water Treatment Microbiocides are compatible with many commonly used materials of construction such as steel, phosphated iron, aluminum, titanium, and zinc. AQUCAR 720 Water Treatment Microbiocides can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or painted epoxy-pleated equipment. This product freezes at about 16°F (-9°C). Therefore, unless the storage location is under ground, freezing and thawing may be required. If freezing is expected, exposure to high temperatures should be avoided. For short storage times (up to about 1 month), temperatures of up to 100°F (38°C) can be tolerated but the preferred maximum storage temperature is about 60°F (21°C).

A stainless steel centrifugal pump is suggested for transfer service. Spiral-wound stainless steel with TPE/PVDF is suitable for transfer and packing.

Handle in a well-ventilated area. If vapors are irritating to the nose or eyes, special ventilation or respiratory equipment is recommended. MSHA/NIOSH approved air-purifying respirator equipped with an organic vapor cartridge may be required.

The product in its undiluted form must not be used in a spray or aerosol application.

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**STORAGE AND DISPOSAL**

**PESTICIDE DISPOSAL:** Do not dispose of water, food, or feed by storage or disposal. Open dumping is prohibited. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinse aid is a violation of Federal law. These wastes cannot be disposed of by use according to label instructions, your State Pesticide or your Environmental Protection Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for disposal.

**CONTAINER DISPOSAL:**
- Use these labels on nonrefillable rigid containers of all sizes.

Nonrefillable Container. Do not reissue or refill this container. Triple or pressure test the 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 NONREFILLABLE RIGID CONTAINERS:**
- Do not reissue this container for any other purpose.

**CONTAINER DISPOSAL:**
- Do not reissue this container for any other purpose.

**CONTAINER:**
- This container is not refillable or reissueable.

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**AQUCAR™ 720 Water Treatment Microbiocides**

**DIRECTIONS FOR USE**

**WATER FLOORS**

Not regulated for use in the State of California.

AQUCAR 720 Water Treatment Microbiocides should be added to a water flood system at a point of uniform mixing. Initial treatment dose: AQUCAR 720 Water Treatment Microbiocides should be added at a rate of 2,000 ppm (2.0 g) AQUCAR 720 Water Treatment Microbiocides per 100 gallons water flood. Repeat until control is achieved. Subsequent treatment: When control is evident, add 50 to 1,200 ppm AQUCAR 720 Water Treatment Microbiocides to 8,000 to 11,500 gallons AQUCAR 720 Water Treatment Microbiocides per 1,000 gallons flood water (10,000 gallons flood water) to the system weekly, or as needed to maintain control.

**FRAC FLUIDS**

Not regulated for use in the State of California.

AQUCAR 720 Water Treatment Microbiocides reduce bacterial contamination and degradation of fracturing fluids and gets used in oil and gas well stimulation. AQUACAR 720 Water Treatment Microbiocides is a low-solids, low-foam, biocidal microbicide that is biodegradable, non-reactive, non-toxic, and non-irritating to the skin and eyes. Although it is not a water-soluble product, it is compatible with fresh water, brine, and most aqueous fluids.

**DETERGENT, COMPOSITION, AND CO-WORKER FLUIDS**

Not regulated for use in the State of California.

AQUCAR 720 Water Treatment Microbiocides should be added at a rate of 250 to 1,200 ppm (2.5 to 12 g) AQUCAR 720 Water Treatment Microbiocides per 100 gallons flood water to a freshly prepared fluid depending on the severity of contamination. See the AQUCAR product bulletin for the water being pumped downhole.

**PACKER FLUIDS**

Not regulated for use in the State of California.

AQUCAR 720 Water Treatment Microbiocides should be added to a packer fluid at a point of uniform mixing such as the circulating mud tank, initial treatment: Add 125 to 2,500 ppm AQUCAR 720 Water Treatment Microbiocides per 100 gallons AQUCAR 720 Water Treatment Microbiocides per 100 gallons flood water to a freshly prepared fluid depending on the severity of contamination. Maintenance dosage: Maintain a concentration of 250 to 2,500 ppm AQUCAR 720 Water Treatment Microbiocides by adding 0.5 to 10 gallons AQUCAR 720 Water Treatment Microbiocides per 100 gallons flood water to the mud system for extended use, or as needed, depending on the severity of contamination.

**OIL AND GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS**

Not regulated for use in the State of California.

AQUCAR 720 Water Treatment Microbiocides should be used to control production and transmission system contamination. The application should be conducted to ensure maximum dilution of the AQUCAR 720 Water Treatment Microbiocides throughout the entire internal pipeline surface. The application may consist of a single treatment to prevent the development of a sufficient concentration of bacteria to cause damage or corrosion below the treatment level. The effectiveness of the treatment will be determined by a bacterial count and/or residual corrosion rate. To facilitate application, it may be desirable to place AQUCAR 720 Water Treatment Microbiocides with an appropriate intermittent interval before use. This concentration is the amount not below an active concentration of 10 to 12,000 ppm based on the volume of water in the pipeline. Injections to the system should be weekly, or as needed to maintain control.

**PUMP STORAGE WELLS AND SYSTEMS**

Not regulated for use in the State of California.

Injected fluids should be injection at a sufficient quantity of AQUCAR 720 Water Treatment Microbiocides to produce a concentration of 2.25 to 12,000 ppm AQUCAR 720 Water Treatment Microbiocides when diluted by the water present in the formation. Injection should take place before gas is injected (flushing the system). Injections should be repeated every week, or as needed to maintain control.

Individual fluid should be treated for a sufficient quantity of AQUCAR 720 Water Treatment Microbiocides to produce a concentration of 500 to 5,000 ppm AQUCAR 720 Water Treatment Microbiocides when diluted by the water present in the fluid. Injections should be repeated every week, or as needed to maintain control.

**HYDROTESTING**

Not regulated for use in the State of California.

Water used in hydrotests should be injection at a sufficient quantity of AQUCAR 720 Water Treatment Microbiocides to produce a concentration of 2.25 to 12,000 ppm AQUCAR 720 Water Treatment Microbiocides when diluted by the water present in the formation. Injection should take place before gas is injected (flushing the system). Injections should be repeated every week, or as needed to maintain control.

**PIPELINE PIGGING AND SCRAPING OPERATIONS**

Not regulated for use in the State of California.

AQUCAR 720 Water Treatment Microbiocides should be added to water flood system immediately following the scraper (directly) or water volume can be kept to a minimum. AQUCAR 720 Water Treatment Microbiocides should be added to water flood system immediately following the scraper (directly) or water volume can be kept to a minimum. AQUCAR 720 Water Treatment Microbiocides should be added to water flood system immediately following the scraper (directly) or water volume can be kept to a minimum.

**NOTICE:** Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose for which it is distributed with the understanding that SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.