

14-JAN-2002

ALPHA 125

A MICROBIOCIDE FOR USE IN CONTROLLING SULFATE-REDUCING BACTERIA, AND SLIME FORMING BACTERIA IN OIL WELL DRILLING, OIL FIELD PROCESSING APPLICATIONS, OIL FIELD WATER SYSTEMS, GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS, AND GAS STORAGE FIELDS AND EQUIPMENT; SUCH AS SYSTEM-INJECTION WATER-HOLDING TANKS, FLOOD WATER, 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.

REGISTRATION NO. 27027
PEST CONTROL PRODUCTS ACT

GUARANTEE:

Glutaraldehyde 25.0%

**COMMERCIAL
DANGER**

CORROSIVE

READ THE LABEL BEFORE USING

Sold by:

UNICHEM

A Division of BJ Services Company, U.S.A.
707 N. Leach
Hobbs, NM 88240
(505) 393-7751

Unichem-Canada
6820 36th Street SE
Calgary, Alberta
T2C 2G4

EPA Est. No. 10352-WV-2
Made in U.S.A.

Net Contents 220.4kg

EMERGENCY CONTACT (24 HOURS PER DAY)

USA (505) 393-7751

CANADA (613) 996-6666

NOTICE TO USER

This control product is to be used only in accordance with the directions on this label. It is an offense under the Pest Control Products Act to use as a control product under unsafe conditions.

DIRECTIONS FOR USE

WATER FLOODS

Alpha 125 Antimicrobial should be added to a water flood system at a point of uniform mixing.

Initial Treatment: When the system is noticeably contaminated, add 200 to 10000 ppm Alpha 125 Antimicrobial to the system (0.8 to 37.9 Litres Alpha 125 Antimicrobial per 3785 Litres flood water). Repeat until control is achieved.

Subsequent dose: When microbial control is evident, add 40 to 10000 ppm Alpha 125 Antimicrobial (0.15 to 37.9 Litres Alpha 125 Antimicrobial per 3785 Liters flood water) to the system weekly, or as needed to maintain control.

DRILLING MUDS / DRILLING, COMPLETION, WORKOVER FLUIDS

Alpha 235 Antimicrobial should be added to a drilling fluid system at a point of uniform mixing such as the circulating mud tank.

Initial Treatment: Add 100 to 2000 ppm Alpha 125 Antimicrobial (1.5 to 30.0 Liters Alpha 125 Antimicrobial per 100 barrels of fluid) to a freshly prepared drilling fluid, depending on the severity of contamination.

Maintenance Dosage: Maintain a concentration of 100 to 2000 ppm Alpha 125 Antimicrobial by adding 1.5 to 30.3 Litres of Alpha 125 Antimicrobial per 100 barrels of additional fluid, or as needed depending on severity of contamination.

PACKER FLUIDS

Alpha 125 Antimicrobial should be added to a packer fluid at a point of uniform mixing such as circulating holding tank. Add 100 to 1200 ppm Alpha 125 Antimicrobial (1.5 to 18.9 Liters Alpha 125 Antimicrobial 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 the production tube.

GAS PRODUCTION AND TRANSMISSION OF PIPELINE SYSTEMS

Alpha 125 Antimicrobial should be added to a gas production transmission pipeline via direct injection. The application should be conducted to ensure a maximum distribution of the Alpha 125 Antimicrobial through the entire internal surface of

the pipeline. To facilitate application, it may be desirable to dilute the Alpha 125 Antimicrobial with an appropriate solvent immediately before use. Injections to the system should be weekly, or as needed to maintain control.

GAS STORAGE WELLS AND SYSTEMS

Individual injection wells should be treated with sufficient quantity of Alpha 125 Antimicrobial to produce a concentration of 1000 to 10000 ppm Alpha 125 Antimicrobial when diluted by the water present in the formation. Injection should take place before gas injected (during the summer). Injections should be repeated yearly, or as needed to maintain control.

Individual drips should be treated with a sufficient quantity of Alpha 125 Antimicrobial to produce a concentration of 400 to 4000 ppm Alpha 125 Antimicrobial when diluted by the water present in the drip. Injections should be repeated yearly, or as needed to maintain control.

HYDROTESTING

Water used to hydrotest pipelines or vessels should contain 200 to 8000 ppm Alpha 125 Antimicrobial (0.8 to 30.3 Liters Alpha 125 Antimicrobial per 3785 Liters water), depending on water quality and length of time the equipment remain idle.

PIPELINE PIGGING AND SCRAPING OPERATIONS

Add Alpha 125 Antimicrobial 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 Alpha 125 Antimicrobial should be added to produce a concentration of 0.2 to 2% (0.8 to 7.6 Liters Alpha 125 Antimicrobial per 378.5 Liters water), depending on the length of the pipeline and the severity of biofouling.

NOTICE TO BUYER

"Seller's guarantee shall be limited to the terms set out on the label and, subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition."

<p>BEFORE HANDLING OR USING, READ AND UNDERSTAND CURRENT UNICHEM MATERIAL SAFETY DATA SHEET FOR THIS PRODUCT</p>
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PRECAUTIONS
HAZARDS TO HUMANS
DANGER

KEEP OUT OF REACH OF CHILDREN

Corrosive. Causes irreversible eye damage. Causes skin irritation. Harmful if inhaled. Harmful or 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.

When handling the concentrate and during cleaning, maintenance and repair activities on contaminated equipment, wear goggles and face shield, chemical resistant gloves, protective clothing (i.e. long sleeve shirt, long pants and apron) and boots. Wash thoroughly with soap and water after handling. Use only in well ventilated area. Remove contaminated clothing and shoes and wash them before reuse.

FIRST AID

IF IN EYES: Immediately flush with plenty of water for about 15 minutes. Do not remove contact lenses, if worn. Get immediate medical attention.

IF ON SKIN: Immediately wash with plenty of soap and water. Get medical attention.

IF INHALED: Remove to fresh air. If breathing is difficult, administer oxygen. If symptoms persist, call a physician.

IF SWALLOWED: DO NOT INDUCE VOMITING. Do not give anything to drink. Seek medical advice or contact Poison Control Center immediately.

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

TOXICOLOGICAL INFORMATION

Aspiration may cause lung damage. 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 the 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 or clean-up of spills.

STORAGE AND HANDLING

ALPHA 125 Antimicrobial solutions are incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. These solutions can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. This product freezes at about -10°C. Therefore, unless the storage tank is inside or underground, heating or 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 38°C can be tolerated but the preferred maximum storage temperature is 27°C.

A stainless steel centrifugal pump is suggested for transfer service. Spiral wound stainless steel with TEFLON® is suitable for gaskets and packing.

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