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ACCEPTED
MAR 08 1989
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 10707-3



**BAKER
PERFORMANCE
CHEMICALS, INC.**
A Baker Hughes company

MAGNACIDE® 407

INDUSTRIAL BACTERICIDE

Active Ingredient:

Alkyl* dimethyl benzyl ammonium chloride 30 wt. %
*65%-C₁₂, 25%-C₁₄, 10%-C₁₆

Inert Ingredients 70 wt. %

**KEEP OUT OF REACH OF CHILDREN
DANGER**

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Causes severe eye and skin damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food.

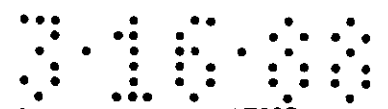
STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse. If swallowed, do not induce vomiting, drink large quantities of fluid and call a physician immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply to marine and/or estuarine oil fields. Do not discharge effluent containing this active ingredient into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.



FOR TREATMENT OF OIL FIELD INJECTION WATER SYSTEMS, DRILLING AND PACKER FLUIDS

DIRECTIONS FOR USE

It is a violation of federal law to use the product in a manner inconsistent with its label. Use with closed delivery systems only.

MAGNACIDE 407 is effective in control of the growth of mixed aerobic and anaerobic bacteria including sulfate reducing bacteria in oilfield waters ranging from fresh water to moderately saline solutions. MAGNACIDE 407 is not effective in heavy brine.

OILFIELD INJECTION AND WASTE WATER

MAGNACIDE 407 should be added to the water handling system at a point of uniform mixing in the area of addition of make up water to the holding tank.

CONTINUOUS INJECTION: Add MAGNACIDE 407 at 1 part per 30,000 parts water (1.4 gal per 1000 bbl water) when system is noticeably fouled. When microbial control is evident, add 1 part MAGNACIDE 407 per 80,000 parts water (0.7 gal 1000 bbl water) to maintain control.

BATCH TREATMENT: Add MAGNACIDE 407 at 1 part per 5000 parts water (0.8 gal per 100 bbl water) over a period of 4-6 hours one or more times per week when system is noticeably fouled. When microbial control is evident, add 1 part MAGNACIDE 407 per 10,000 parts water (0.4 gal per 100 bbl water) over a period of 4-6 hours one or more times per week.

OIL WELL SANITIZING

Mix 25-55 gallons of MAGNACIDE 407 with sufficient water to cover the producing interval. Inject down the casing or tubing followed by sufficient over flush to force the treated solution into the formation around the well bore. Shut in the well for 8-24 hours before returning to production.

PACKER FLUID

MAGNACIDE 407 should be added to a packer fluid at a point of uniform mixing such as a circulating holding tank. Add from one-half gallon to one gallon MAGNACIDE 407 per 100 gallons packer fluid (0.5 to 1.0% by volume).

DRILLING MUDS

MAGNACIDE 407 should be added to a drilling fluid system at a point of uniform mixing such as the circulating mud tank. Add from one-half gallon to one gallon MAGNACIDE 407 per 100 gallons drilling mud (0.5 to 1.0% by volume).

STORAGE AND DISPOSAL

- PROHIBITIONS:** Do not contaminate water, food, or feed by storage or disposal.
- STORAGE:** This product is corrosive to mild steel. Do not store or transport in unlined metal containers.
- PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. 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:**
 - METAL CONTAINERS:** Triple rinse (or equivalent). 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.
 - PLASTIC CONTAINERS:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.
 - GENERAL:** Consult federal, state or local disposal authorities for approved alternative procedure.

Notice of Warranty

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials.

MANUFACTURED BY
BAKER PERFORMANCE CHEMICALS, INCORPORATED
3920 Essex Lane, Houston, TX 77027
EPA Reg. No. 10707-3 EPA Est. 10707-

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INDUSTRIAL BACTERICIDE
For Treatment of Oilfield Water Injection Systems, Packer Fluid
and Drilling Mud

DESCRIPTION

MAGNACIDE® 407 is a quaternary ammonium compound effective in control of the growth of mixed aerobic and anaerobic bacteria in oilfield waters ranging from fresh water to moderately saline solutions. MAGNACIDE 407 is similar to other quaternaries in that it is not effective in heavy brine. The high degree of surface activity exhibited by MAGNACIDE 407 suggests its use in water handling applications where surface tension reduction is helpful for reduction of injection pressures. MAGNACIDE 407 is recommended for control of bacteria in waters used for secondary oil recovery and waste water injection systems. Another area of application for MAGNACIDE 407 is in the control of bacteria in packer fluid.

TYPICAL PHYSICAL PROPERTIES

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| | |
|--------------------------|---|
| Form: | Liquid |
| Specific Gravity @ 60°F: | 0.987 |
| Specific Weight @ 60°F: | 8.23 lbs/U.S. Gallon |
| Flash Point (T.C.C.): | 135°F |
| Pour Point: | 36°F |
| pH: | Approximately 8.0 |
| Solubility: | Soluble in fresh water. Soluble or highly dis- persible in brine. |

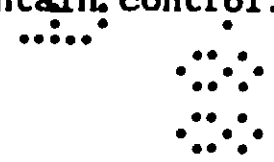
Do not use, pour, spill or store near fire or open flame.

DIRECTIONS FOR USE

It is a violation of federal law to use the product in a manner inconsistent with its label. For use with closed delivery systems only.

Oilfield Injection and Waste Water: MAGNACIDE 407 should be added to the water handling system at a point of uniform mixing such as the area of addition of make up water to the holding tank.

CONTINUOUS INJECTION: Add MAGNACIDE 407 at 1 part per 30,000 parts water (0.4 gal per 1000 bbl water) when system is noticeably fouled. When microbial control is evident, add 1 part MAGNACIDE 407 per 60,000 parts water (0.7 gal. 1000 bbl water) to maintain control.





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BATCH TREATMENT: Add MAGNACIDE 407 at 1 part per 5000 parts water (0.8 gal per 100 bbl water) over a period of 4-6 hours one or more times per week when system is noticeably fouled. When microbial control is evident, add 1 part MAGNACIDE 407 per 10,000 parts water (0.4 gal per 100 bbl water) over a period of 4-6 hours one or more times per week.

Oil Well Sanitizing: Mix 25-55 gallons of MAGNACIDE 407 with sufficient water to cover the producing interval. Inject down the casing or tubing followed by sufficient overflush to force the treated solution into the formation around the well bore. Shut in the well for 8-24 hours before returning to production.

Packer Fluid and Drilling Mud: Use from one-half gallon to one gallon MAGNACIDE 407 per 100 gallon packer fluid or drilling mud (0.5 to 1.0 % volume).

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HANDLING INSTRUCTIONS

Active Ingredient: Alkyl*dimethyl benzyl ammonium chloride
*65% C₁₂, 25% C₁₄, 10% C₁₆.

DANGER
KEEP OUT OF REACH OF CHILDREN

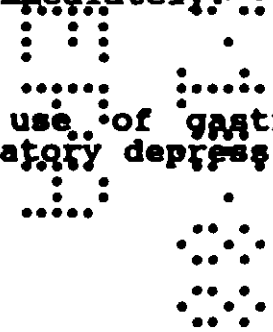
Corrosive. Causes eye damage and skin irritation. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful if swallowed. Avoid contamination of food.

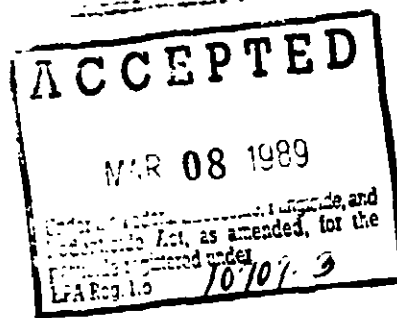
First Aid - In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

If swallowed, drink promptly a large quantity of milk, egg whites, gelation solution or, if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

Note to Physician

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





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ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and wild-life. Do not discharge effluent containing this active ingredient into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

STORAGE AND DISPOSAL

Prohibitions - Do not contaminate water, food, or feed by storage or disposal.

Storage - This product is corrosive to mild steel. Do not store or transport in unlined metal containers.

Pesticide Disposal - Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes can not 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 Registration Office for guidance.

Container Disposal

METAL CONTAINERS: Triple rinse (or equivalent). 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.

PLASTIC CONTAINERS: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

General - Consult federal, state or local disposal authorities for approved alternative procedure.

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