



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

MAR 13 1989

EPA REG. NO. 10707-13

**OIL FIELD MICROBIOCIDES**

EPA EST. NO. 10707-

Under the Federal Insecticide, Fungicide, and  
Rodenticide Act, as amended, for the  
pesticide registered under  
EPA Reg. No. 10707-13

**DIRECTIONS FOR USE**

**ACTIVE INGREDIENTS:**

5-Chloro-2-methyl-4-isothiazolin-3-one ..... 1.15%  
2-Methyl-4-isothiazolin-3-one ..... 0.35%

**INERT INGREDIENTS:** ..... 98.50%

**TOTAL** ..... 100.00%

**DANGER**



**POISON**

**Contains Methanol**

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

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

**CORROSIVE. CONTAINS METHANOL, WHICH MAY CAUSE BLINDNESS. CAUSES EYE DAMAGE AND SKIN BURNS. MAY CAUSE ALLERGIC SKIN REACTION. VAPOR HARMFUL IF INHALED. FATAL IF SWALLOWED.**

Do not get in eyes, on skin, on clothing. Wear goggles or face shield and rubber gloves when handling. Avoid breathing vapor or mist. Avoid contamination of food. Do not take internally. Wash thoroughly with soap and water after handling and before eating or smoking. Remove contaminated clothing and wash before reuse.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and wildlife. 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.

**STATEMENT OF PRACTICAL TREATMENT**

**CALL A PHYSICIAN IMMEDIATELY IN ALL CASES OF SUSPECTED POISONING**

- IF SWALLOWED:** Dilute with two glasses of water. Call a physician immediately. See NOTE TO PHYSICIAN. Do not give anything by mouth to an unconscious person. Material is corrosive and contains methanol (methyl alcohol).
- IF INHALED:** Remove immediately to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Call a physician.
- IF ON SKIN:** Wash thoroughly with soap and water. Remove and wash contaminated clothing before reuse.
- IF IN EYES:** Flush with plenty of water for at least 15 minutes. Call a physician.

**NOTE TO PHYSICIANS**

Material is corrosive and may cause mucosal damage. Careful gastric lavage may be indicated for toxic effects of methanol. Measures against circulatory shock, respiratory depression, and convulsions may be needed.

**MANUFACTURED BY: BAKER PERFORMANCE CHEMICALS, INCORPORATED 3920 Essex Lane, Houston, Texas 77027**

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

For the control of slime forming and sulfate reducing bacteria in oil and gas field water systems including enhanced recovery injection fluids, drilling, fracturing and completion fluids, add 30-3000 ppm Magnacide 4551 depending on the severity of contamination.

**INTERMITTENT OR SLUG METHOD**

For treatment of enhanced oil and gas recovery injection fluids, where noticeably fouled, add 100-400 ppm Magnacide 4551 (4.2-16.8 gallons or 33.7-134.7 pounds Magnacide 4551 per 1000 barrels of water). Repeat treatment 1-5 times per week or as needed to establish control. Subsequently, treat with 30-200 ppm Magnacide 4551 (1.26-8.4 gallons or 10.1-67.4 pounds Magnacide 4551 per 1000 barrels of water). Repeat treatment as needed to maintain control. For treatment of drilling, fracturing and completion fluids, where higher concentrations may be required, where noticeably fouled, add 300-3000 ppm Magnacide 4551 (12.6-126.0 gallons or 101.1-1010.5 pounds Magnacide 4551 per 1000 barrels of injection fluid). Repeat treatment 1-5 times per week or as needed to establish control. Subsequently, treat with 30-2000 ppm Magnacide 4551 (1.26-84.0 gallons or 10.1-673.7 pounds Magnacide 4551 per 1000 barrels of injection fluid). Repeat treatment as needed to maintain control.

**CONTINUOUS FEED METHOD**

For treatment of enhanced oil and gas recovery injection fluids, where noticeably fouled, add 100-400 ppm Magnacide 4551 (4.2-16.8 gallons or 33.7-134.7 pounds Magnacide 4551 per 1000 barrels of water) continuously until the desired degree of control is established. Subsequently, treat with 30-200 ppm Magnacide 4551 (1.26-8.4 gallons or 10.1-67.4 pounds Magnacide 4551 per 1000 barrels of water) continuously or as needed to maintain control.

NOTE: Addition of Magnacide 4551 should be made at a point in the system where it will be uniformly mixed.

**STORAGE AND DISPOSAL**

**STORAGE: FLAMMABLE.** Do not use or store near heat or open flame. Freeze stable to minus 45°F (-43°C).

**PROHIBITIONS:** This product is corrosive to mild steel. Do not store or transport in unlined metal containers. Do not contaminate food or feed by storage, disposal or cleaning of equipment.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide 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 procedures.

**NOTICE:** Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty or merchantability or fitness for a particular purpose, expressed or implied, extends to the use, storage or handling of this product in a manner other than as directed by label instructions or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

**NET WEIGHT** \_\_\_\_\_ (Magnacide 4551 weighs 8.02 lbs per gallon)

MAGNACIDE® 4551 is an antimicrobial agent for use as a biocide in oilfield injection waters. MAGNACIDE 4551 has been found to be an effective agent against many bacteria and Fungi, including sulfate reducing bacteria.

#### TYPICAL PHYSICAL PROPERTIES

Form:	Liquid
Specific Gravity:	0.96
Density:	8.02 lbs/gal
Flash Point:	85°F
Solubility in water:	Miscible
pH:	4.0
Freeze Point:	-43°C

#### USE INFORMATION

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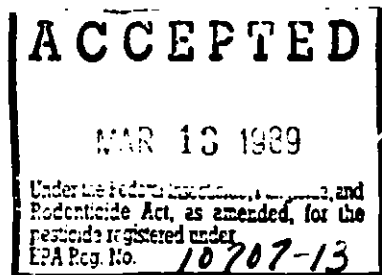
Oil Field Injection Waters: For the control of slime forming bacteria and sulfate reducing bacteria in oilfield waters.

Intermittent or Slug Method - For treatment of enhanced oil and gas recovery injection fluids, where noticeably fouled, add 100-400 ppm MAGNACIDE 4551 (4.2-16.8 gallons or 33.7-134.7 pounds MAGNACIDE 4551 per 1,000 gallons of water). Repeat treatment 1-5 times per week or as needed to establish control. Subsequently, treat with 30-200 ppm MAGNACIDE 4551 (1.26-8.4 gallons or 10.1-67.4 pounds MAGNACIDE 4551 per 1,000 barrels of water). Repeat treatment as needed to maintain control. For treatment of drilling, fracturing and completion fluids, where higher concentrations may be required, where noticeably fouled, add 300-3000 ppm MAGNACIDE 4551 (12.6-126.0 gallons or 101.1-1010.5 pounds MAGNACIDE 4551 per 1,000 barrels of injection fluid). Repeat treatment 1-5 times per week or as needed to establish control. Subsequently, treat with 30-2000 ppm MAGNACIDE 4551 (1.26-84.0 gallons or 10.1-673.7 pounds MAGNACIDE 4551 per 1,000 barrels of injection fluid). Repeat treatment as needed to maintain control.

Continuous Feed Method - For treatment of enhanced oil and gas recovery injection fluids, where noticeably fouled, add 100-400 ppm MAGNACIDE 4551 (4.2-16.8 gallons or 33.7-134.7 pounds MAGNACIDE 4551 per 1,000 barrels of water) continuously until the desired degree of control is established. Subsequently, treat with 30-200 ppm MAGNACIDE 4551 (1.26-8.4 gallons or 10.1-67.4 pounds MAGNACIDE 4551 per 1,000 barrels of water) continuously or as needed to maintain control.

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Magnacide 4551 (Continued)

HANDLING INSTRUCTIONS

Active Ingredients: 5-chloro-2-methyl-4-isothiazolin-3-one  
2-methyl-4-isothiazolin-3-one

DANGER  
KEEP OUT OF REACH OF CHILDREN

Corrosive. Contains methanol which may cause blindness. Causes eye damage and skin burns. May cause allergic skin reactions. Vapor may be harmful if inhaled. Fatal if swallowed. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Avoid breathing vapor or mist. Avoid contamination of food. Do not take internally. Wash thoroughly after handling.

FIRST AID

In case of eye contact, flush immediately with copious amounts of water at least 15 minutes with eyes held open. Get prompt medical attention.

In case of skin contact, flush immediately with plenty of water for at least 15 minutes. Shower with soap and water. Launder contaminated clothing before rewearing.

If inhaled, remove victim immediately to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Call a physician.

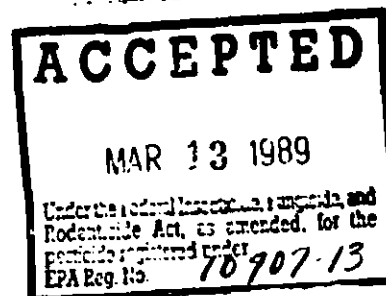
If swallowed and victim is conscious, dilute by giving water to drink; call a physician. Never give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN

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ENVIRONMENTAL HAZARDS

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### Magnacide 4551 (Continued)

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