

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

DANGER

KEEP OUT OF REACH OF CHILDREN

Corrosive. Causes burns. Causes eye damage and skin irritation. Avoid breathing vapors. Do not get in eyes, on skin or on clothing. May be absorbed through skin. Wear goggles or face shield and rubber gloves when handling. May be harmful or fatal if swallowed. Avoid contamination of food.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply in marine and/or estuarine oil fields. Do not discharge treated effluent into lakes, streams, ponds, or public waters unless in accordance with an NPDES permit. For guidance contact your Regional Office of the EPA. Do not contaminate water by cleaning of equipment, or disposal of wastes.

PHYSICAL PROPERTIES

Specific Gravity at 20/20°C.	1.124	Solubility in Water at 20°C.	Complete
Vapor Pressure at 20°C.	17 mm.Hg	Solubility of Water in at 20°C.	Complete
Freezing Point	-14°C.	pH at 25°C.	3.7 to 4.5

STORAGE AND HANDLING

UCARCIDE® 125 solutions are corrosive to 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, stainless steel, or reinforced epoxy plastic equipment. This product freezes at about -14°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 a month), temperatures up to 100°F. can be tolerated, but the preferred maximum storage temperature is about 80°F.

A stainless steel centrifugal pump is suggested for transfer service. Asbestos is suitable for gaskets and packing.

STORAGE AND DISPOSAL

- 1. PROHIBITIONS** — Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.
- 2. PESTICIDE DISPOSAL** — Pesticide, spray mixture, or rinsate that cannot be used or chemically processed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.
- 3. CONTAINER DISPOSAL** — (a) Reseal container and offer for reconditioning, or (b) Triple rinse (or equivalent) and: Offer for recycling, reconditioning, or disposal in approved landfill, or bury in a safe place.
- 4. GENERAL** — Consult Federal, State, or local disposal authorities for approved alternative procedures.

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Ucarbide

A MICROBIOCIDE FOR USE IN CONTROLLING SULFATE-REDUCING
IN OIL WELL DRILLING AND OIL FIELD PROCESSING APPLICATIONS

Active Ingredients: Glutaraldehyde	25.0%
Inert Ingredients:	75.0%
	<u>100.0%</u>

KEEP OUT OF REACH OF CHILDREN.

DANGER

STATEMENT OF PRACTICAL TREATMENT

FIRST AID: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes and wash contaminated clothing before reuse.

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

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measurement of respiratory depression and convulsion may be needed.

See Side Panel for Additional Precautionary Statements

UNION CARBIDE CORPORATION • CHEMICALS

270 PARK AVENUE, NEW YORK, N.Y. 10017

EPA Reg. No. 10352-14

UCARCIDE is a registered trade mark of Union Carbide Corporation.

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NET WT. 500 LBS. (227.3 Kg.) BEST DOCUMENT AVAILABLE NET VOL. 55

UCARCIDE 125

**DRILLING SULFATE-REDUCING BACTERIA
FIELD PROCESSING APPLICATIONS.**

de 25.0%
..... 75.0%
..... 100.0%

ACCREDITED
03 MAR 1980
UNIVERSITY OF MISSISSIPPI
FUNGUS CONTROL SERVICE
PO BOX 10000
TUBING, MISSISSIPPI 39213

KEEP OUT OF REACH OF CHILDREN.

ANGER

MEDICAL TREATMENT

... of water for at least 15 minutes. For eyes, call a physician. Remove

... solution or if these are not available, drink large quantities of water.

... the use of gastric lavage. Measures against circulatory shock, respira-

AMERICAN CHEMICALS AND PLASTICS

EPA Est. No. 10352-WV-2
UCC No.
Made in U.S.A. **250**

NET VOL. 55 GALS.(U.S.) (203.7 LITERS)

DIRECTIONS GENERAL CLASS

It is a violation of Federal law to use this product in

DRILLING M

- 1 Calculate the total volume of the drilling mud system, and UCARCIDE[®] 125 needed to produce a concentration of approximately 250 ppm UCARCIDE[®] 125 per each 1000 barrels of total volume.
- 2 While the system is circulating, add the UCARCIDE[®] 125 in a thin stream.
- 3 As the well depth increases, increasing the total volume of the system, add UCARCIDE[®] 125 to maintain the proper concentration.

WORKOVER F

- 1 Calculate the total volume of the workover fluid system, and UCARCIDE[®] 125 needed to produce a concentration of approximately 250 ppm UCARCIDE[®] 125 per each 1000 barrels of total volume.
- 2 Add UCARCIDE[®] 125 into the system.
- 3 Circulate the workover fluid system until the fluid returns clear.
- 4 Shut the system down and idle for several hours.
- 5 Remove the workover fluid. The well should be ready for production.

OIL WELL WATER

- 1 Calculate the total volume of the water flood system, and, use UCARCIDE[®] 125 needed to produce a concentration of approximately 250 ppm UCARCIDE[®] 125 per each 1000 barrels of total volume.
- 2 Add UCARCIDE[®] 125 as a slug, or intermittently.
- 3 Fifty ppm UCARCIDE[®] 125 added each week is recommended. This can be accomplished by adding 2 gallons of UCARCIDE[®] 125 to each 1000 barrels of water.

WARRANTY

1. The manufacturer guarantees and warrants (a) that the active ingredients are as stated within lawful limits and (b) that the directions, warnings, and cautions are based on the responsible experts' evaluation of reasonable tests of effectiveness.
2. The manufacturer further warrants that the material herein is fit for the use directed hereon. The manufacturer DOES NOT MAKE AND DOES NOT INTEND TO MAKE ANY OTHER WARRANTIES OF FITNESS OR MERCHANTABILITY, EXPRESS OR IMPLIED, CONCERNING THIS MATERIAL. The buyer assumes all risks of use, handling, or storage which result from the manufacturer's control. No claim of any kind, and whether or not based on the purchase price of the material in respect of which such claim is made, shall be liable for special, indirect, or consequential damages resulting from the use of this material.
3. No modification of this warranty and disclaimer is authorized, except by a written agreement of an authorized employee of the manufacturer.

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DIRECTIONS FOR USE

GENERAL CLASSIFICATION

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

DRILLING MUDS

- 1 Calculate the total volume of the drilling mud system, and using this volume calculate the number of gallons of UCARCIDE[®] 125 needed to produce a concentration of approximately 2000 ppm UCARCIDE[®] 125. For example 85 gallons of UCARCIDE[®] 125 per each 1000 barrels of total volume will produce this dilution.
- 2 While the system is circulating, add the UCARCIDE[®] 125 in a thin stream.
- 3 As the well depth increases, increasing the total volume of the system, add additional UCARCIDE[®] 125 to maintain the proper concentration.

WORKOVER FLUIDS

- 1 Calculate the total volume of the workover fluid system, and using this volume calculate the number of gallons of UCARCIDE[®] 125 needed to produce a concentration of approximately 2000 ppm UCARCIDE[®] 125. For example, 85 gallons of UCARCIDE[®] 125 per each 1000 barrels of total volume will produce this dilution.
- 2 Add UCARCIDE[®] 125 into the system.
- 3 Circulate the workover fluid system until the fluid returns clear.
- 4 Shut the system down and idle for several hours.
- 5 Remove the workover fluid. The well should be ready for productive use.

OIL WELL WATER FLOODS

- 1 Calculate the total volume of the water flood system, and, using this volume, calculate the number of gallons of UCARCIDE[®] 125 needed to produce a concentration of approximately 150 ppm UCARCIDE[®] 125. For example, 6.3 gallons of UCARCIDE[®] 125 per each 1000 barrels of total volume will produce this dilution.
- 2 Add UCARCIDE[®] 125 as a slug, or intermittently.
- 3 Fifty ppm UCARCIDE[®] 125 added each week is recommended to maintain bacterial control. This may be accomplished by adding 2 gallons of UCARCIDE[®] 125 to each 1000 barrels of total volume.

WARRANTY:

1. The manufacturer guarantees and warrants (a) that the active ingredient content and the total net weight are as stated within lawful limits and (b) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness and of toxicity to laboratory animals.
2. The manufacturer further warrants that the material herein is reasonably fit for use under normal conditions as directed hereon. The manufacturer DOES NOT MAKE AND DOES NOT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTIES OF FITNESS OR OF MERCHANTABILITY, GUARANTEE, OR REPRESENTATION, EXPRESS OR IMPLIED, CONCERNING THIS MATERIAL. This product is sold only on the basis that buyer assumes all risks of use, handling, or storage which result in loss or damage and which are beyond manufacturer's control. No claim of any kind, and whether or not based on negligence, shall be greater in amount than the purchase price of the material in respect of which such claim is made. In no event shall manufacturer or seller be liable for special, indirect, or consequential damages resulting from the use, handling, or storage of this material.
3. No modification of this warranty and disclaimer is authorized, except by specific reference to them in writing by an authorized employee of the manufacturer.

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