

JUN 21 1990

Union Carbide Corporation  
Speciality Chemicals Division  
P.O. Box 670  
Bound Brook, NJ 08805

Attention: Joan J. Young

Gentlemen:

Subject: Amended Application Dated: 11/20/89

UCARCIDE® 125 Antimicrobial	10325-17
UCAPSAN® 420 Sanitizer	10325-19
UCARCIDE® 225 Antimicrobial	10325-20
UCARCIDE® 250 Antimicrobial	10325-21
AQUICAR® 545 Water Treatment Microbiocide	10325-22
AQUICAR® 515 Water Treatment Microbiocide	10325-23
UCARCIDE® 150 Antimicrobial	10325-24
UCARCIDE® 145LT Antimicrobial	10325-25
UCAPSAN® 4120 Sanitizer	10325-26
UCONEX® 315 Antimicrobial	10325-27
UCONEX® 345 Antimicrobial	10325-28
UCARCIDE® 602 Sterilizing & Disinfecting Solution	10325-29
UCARCIDE® 114 Antimicrobial	10325-30
AQUICAR® 514 Water Treatment Microbiocide	10325-31
UCARCIDE® 142 Antimicrobial	10325-32
AQUICAR® 542 Water Treatment Microbiocide	10325-33
UCARCIDE® 750 Antimicrobial	10325-35
PIROP® 850 Slicicide	10325-37
UCARCIDE® 250 Preservative	10325-38
UCARCIDE® 225 Preservative	10325-39
AQUICAR® 504 Water Treatment Microbiocide	10325-40

The amendment referred to above, submitted in connection with registration under FIFRA to make changes in the precautionary statements, is acceptable provided that you:

1. Make the following labeling listed below before you release the product for shipment bearing the amended labeling:

a. In lieu of supporting data delete the following statement: "Harmful if inhaled".

Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 4(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

If you have any questions concerning this letter, please contact Karen L. Leavy at (703)-557-3116.

Sincerely yours,

John H. Lee  
Product Manager (31)  
Antimicrobial Program Branch  
Registration Division (475050)

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See MSDS for exposure limits of components.

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS

**DANGER**

KEEP OUT OF REACH OF CHILDREN

Corrosive. Causes irreversible eye damage. Causes skin irritation. Harmful if inhaled. Harmful if swallowed. Harmful if absorbed through skin. May cause skin sensitization.

Do not get in eyes, on skin, on clothing.  
Avoid breathing vapor. Do not swallow.

Wear goggles, protective clothing, and rubber gloves.  
Wash thoroughly with soap and water after handling.  
Remove contaminated clothing and wash before reuse.

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.

PHYSICAL PROPERTIES

Specific Gravity at 20/20°C	1.066	Solubility in Water at 20°C	Complete
Vapor Pressure at 20°C	16.4 mm. Hg	Solubility of Water in at 20°C	Complete
Freezing Point	-10°C	pH at 25°C	3.1 to 4.5

MIXTURE 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, polyethylene, stainless steel, or reinforced epoxy plastic equipment. This product freezes at about -10°C (14°F). 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 1 month), temperatures of up to 100°F can be tolerated but the preferred maximum storage temperature is about 60°F.

A stainless steel inert pump is suggested for transfer service. Do not use stainless steel with tellurium suitable for pumps and bearings.

**PESTICIDE DISPOSAL:** Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not allow this material to be mixed with or poured into a sewer system. If you have questions concerning proper disposal procedures, contact your State Water Board or Regional Office of the EPA. For more information, contact your nearest EPA Regional Office.

**CONTAINER DISPOSAL:** Metal Containers or Plastic Containers (If available or equivalent). Then offer for recycling or reuse, if possible, and dispose of metal containers and their procedures approved by the manufacturer. Do not reuse or refill any metal containers. Plastic Containers may be recycled or reused if approved by the manufacturer. Metal Containers must not be reused for any other purpose.



# Ucarbicide

A MICROBICIDE FOR USE IN CONTROLLING SULFATE-REDUCING BACTERIA AND SLIME-FORMING BACTERIA IN PROCESSING APPLICATIONS, AND OIL FIELD WATER SYSTEMS; SUCH AS, STEAM INJECTION WATER, HOLDING POND WATER, DISPOSAL WELL WATER, WATER HOLDING TANKS, AND INDUSTRIAL RECIRCULATING WATER HANDLING.

Approved by EPA

Active Ingredient: Glutaraldehyde

Inert Ingredients:

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KEEP OUT OF REACH OF CHILDREN

**DANGER**

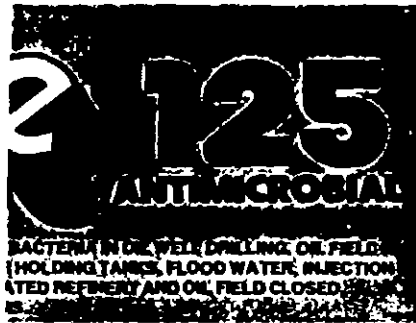
STATEMENT OF PRACTICAL TREATMENT

**IF IN EYES:** Immediately flush with plenty of water for at least 15 minutes.  
**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention.  
**IF INHALED:** Remove to fresh air. If breathing is difficult, administer oxygen.  
**IF SWALLOWED:** DO NOT INDUCE VOMITING. Do not give anything to eat or drink.  
**NOTE TO PHYSICIAN:** Aspiration may cause lung damage. Probable mucous membrane irritation and gastric lavage.

Danbury CT 06817 • Offices in Principal Cities  
EPA Reg No 10352-14  
UCARCIDE is a registered trademark  
of Union Carbide Corporation  
Net Weight 486 Lbs (220 KG)

39718  
PREPARED BY

IN CASE OF EMERGENCY, TELEPHONE (24 HOURS PER DAY)



5.0%  
5.0%  
0.0%

REN

mediate medical attention

ymptoms persist, call a physician  
Seek medical advice with urgency.  
Damage may contraindicate the use of

EPA Est. No. 10352-WV-2  
UCC-L 89748 (10/88)  
Made in U.S.A

ER SIZE  
GONS  
UNOS  
IGHT

(Y) IN USA 1-800-UCC-HELP.

**DIRECTIONS FOR USE**

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

**WATER FLOODS**

UCARCIDE® 125 Antimicrobial should be added to a water flood system at a point of uniform mixing such as the area of addition of make up water to the holding tank.  
Initial Treatment: When the system is noticeably contaminated, add 200-400 ppm UCARCIDE® 125 Antimicrobial (0.20-0.40 gallons UCARCIDE® 125 Antimicrobial per 1000 gallons flood water). Repeat until control is achieved.  
Subsequent Dose: When microbial control is evident, add 40-200 ppm UCARCIDE® 125 Antimicrobial (0.04-0.20 gallons UCARCIDE® 125 Antimicrobial per 1,000 gallons flood water) weekly, or as needed to maintain control.

**DRILLING MUDS**

UCARCIDE® 125 Antimicrobial should be added to a drilling fluid system at a point of uniform mixing such as the circulating mud tank.  
Initial Treatment: Add 100-2000 ppm UCARCIDE® 125 Antimicrobial (0.4-8.4 gallons UCARCIDE® 125 Antimicrobial per 100 barrels of fluid) to a freshly prepared drilling fluid depending on the severity of contamination.  
Maintenance Dosage: As the total volume of the system increases due to increased well depths, maintain 100-2000 ppm UCARCIDE® 125 Antimicrobial level by adding 0.4-8.4 gallons of UCARCIDE® 125 Antimicrobial per 100 barrels of additional fluid, or as needed, depending on the severity of contamination.

**COMPLETION AND WORKOVER FLUIDS**

UCARCIDE® 125 Antimicrobial should be added to a completion and workover fluid at a point of uniform mixing such as a circulating tank. Add 100-2000 ppm UCARCIDE® 125 Antimicrobial (0.4-8.4 gallons UCARCIDE® 125 Antimicrobial per 100 barrels of fluid) to freshly prepared fluid depending on the severity of contamination. Circulate the workover fluid system until the fluid returns clear, shut the system down and idle for several hours. Remove the workover fluid. The well should be ready for productive use.

**PACKER FLUIDS**

UCARCIDE® 125 Antimicrobial should be added to a packer fluid at a point of uniform mixing such as a circulating holding tank. Add 100-2000 ppm UCARCIDE® 125 Antimicrobial (0.4-5.0 gallons UCARCIDE® 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 well between the casing and production tube.

**LIMITED WARRANTY AND DISCLAIMER**

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and (c) 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. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. This warranty does not extend to, and the Buyer shall be solely responsible for, any and all loss or damage which results from the use of this product in any manner which is inconsistent with the label directions, warnings or cautions.

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