

10352-24

Pm 31

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ACCEPTED

JUL 31 1988

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 10352-24

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS**

DANGER

KEEP OUT OF REACH OF CHILDREN

Corrosive - Causes irreversible eye damage. Causes burns. May cause skin sensitization.
 Harmful if swallowed.
 Do not get in eyes, on skin or on clothing. Wear goggles, protective clothing, and rubber gloves.
 Avoid breathing vapors.
 Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply in 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	1.131	Solubility in Water at 20°C	Complete
Vapor Pressure at 20°C	15 mm. Hg	Solubility of Water in at 20°C	Complete
Freezing Point	-21°C	pH at 25°C	3.1 to 4.5

STORAGE AND HANDLING

UCARCIDE® 150 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 -21°C (-4°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 80°F.
 A stainless steel centrifugal pump is suggested for transfer service. Asbestos is suitable for gaskets and packing.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Pesticide wastes are toxic. 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 your 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 other procedures approved by state and local authorities.



Ucarcide® 150
ANTIMICROBIAL

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

Active Ingredient: Glutaraldehyde	50.0%
Inert Ingredients:	50.0%
	100.0%

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. Get immediate medical attention.
IF ON SKIN: Wash with plenty of soap and water. Get medical attention.
IF SWALLOWED: DO NOT INDUCE VOMITING. Give at least two glasses of water. Seek medical advice with urgency.
IF INHALED: Remove to fresh air. If breathing is difficult, administer oxygen. If symptoms persist, call a physician.
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

UNION CARBIDE CORPORATION • SPECIALTY CHEMICALS DIVISION

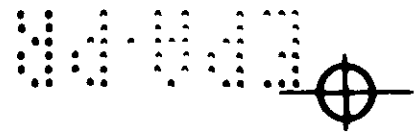
Danbury, CT 06817 • Offices in Principal Cities
 EPA Reg. No. 10352-24

EPA Est. No. 10352-WV
 UCC No. 4170-1
 Made in U.S.

UCARCIDE is a registered trade mark of Union Carbide Corporation

DOT SHIPPING NAME	CORROSIVE LIQUID, N.O.S. (GLUTARALDEHYDE SOLUTION)	UN 1760 ID NUMBER	90228	CONTAINER SIZE	55 GALLONS
IMO SHIPPING NAME	CORROSIVE LIQUID, N.O.S. (GLUTARALDEHYDE SOLUTION)	UN NUMBER	1760	PRODUCT CODE	500 POUNDS NET WEIGHT

IN CASE OF EMERGENCY, TELEPHONE (24 HOURS PER DAY) 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® 150 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 100-200 ppm UCARCIDE® 150 Antimicrobial (0.09-0.18 gallons UCARCIDE® 150 per 1000 gallons flood water). Repeat until control is achieved.

Subsequent Doses: When microbial control is evident, add 20-100 ppm UCARCIDE® 150 (0.18-0.09 gallons UCARCIDE® 150 per 1000 gallons flood water) weekly, or as needed to maintain control.

DRILLING MUDS

UCARCIDE® 150 Antimicrobial should be added to a drilling fluid system at a point of uniform mixing such as the circulating mud tank.

Initial Treatment: Add 50-1000 ppm UCARCIDE® 150 (0.19-3.8 gallons UCARCIDE® 150 per 100 barrels of fluid) to a freshly prepared drilling fluid depending on the severity of contamination.

Maintenance Doseage: As the total volume of the system increases due to increased well depths, maintain 50-1000 ppm UCARCIDE® 150 level by adding 0.19-3.8 gallons of UCARCIDE® 150 per 100 barrels of additional fluid, or as needed, depending on the severity of contamination.

COMPLETION AND WORKOVER FLUIDS

UCARCIDE® 150 Antimicrobial should be added to a completion and workover fluid at a point of uniform mixing such as a circulating tank. Add 50-1000 ppm UCARCIDE® 150 Antimicrobial (0.19-3.8 gallons UCARCIDE® 150 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® 150 Antimicrobial should be added to a packer fluid at a point of uniform mixing such as a circulating holding tank. Add 50-600 ppm UCARCIDE® 150 Antimicrobial (0.19-2.3 gallons UCARCIDE® 150 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 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.

BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT SUCH LIABILITY IS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS

DANGER
KEEP OUT OF REACH OF CHILDREN

Corrosive - Causes irreversible eye damage. Causes burns. May cause skin sensitization.

Harmful if swallowed.

Do not get in eyes, on skin or on clothing. Wear goggles, protective clothing, and rubber gloves.

Avoid breathing vapors.

Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply in streams and/or catchment of fields. Do not discharge effluent containing this active ingredient into lakes, streams, ponds, estuaries, bays, or public waters unless the product is specifically identified and approved on an NPDES permit. Do not discharge effluents 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

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STORAGE AND HANDLING

UCARCIDE® 150 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 usual plastic-lined steel polyethylene stainless steel or reinforced epoxy-plastic equipment. The product freezes at about -21°C (-6°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 cover/lid (cap) is suggested for transfer service. Always use suitable for purchase and packing.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Pesticide wastes are toxic. Improper disposal of empty containers, spray mixture or residue is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or your 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 purchase and dispose of in a sanitary landfill, or other procedure approved by state and local authorities.

UNION
CARBIDE

A MICROBICIDE FOR
PROCESSING APPLIED
WATER, HOLDING P

IF IN EYES: W
IF ON SKIN: W
IF SWALLOWED:
IF INHALED: P
NOTE TO PHY

UNION CARBIDE

Danbury, CT 06817
EPA Reg. No. 10052
UCARCIDE is a regis
of Union Carbide Co.

IN CASE OF EM