

41451 10352-24

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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

OCT 26 1995

Attention: Joan E. Young

Subject: UCARCIDE 150 Antimicrobial  
EPA Registration Number 10352-24  
Your Submission Dated February 25, 1994  
EPA Received Date February 25, 1994

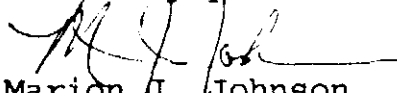
The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, to amend the Hazard Warning Statement Category II acute oral toxicity and to include three additional new hazards, is acceptable.

The statement, "May cause allergic skin reaction" should be revised to read as follows: Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals."

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

If you have any questions concerning this letter, please contact Karen M. Leavy-Munk at (703)-305-6966.

Sincerely yours,

  
Marion J. Johnson  
Product Manager(31)  
Antimicrobial Program Branch  
Registration Division(7505C)

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

**DIRECTIONS FOR USE  
GENERAL CLASSIFICATION**

It is a violation of Federal law to use this product in a manner inconsistent with the label directions.

**WATER FLOODS**

UCARCIDE® 150 Antimicrobial should be added to a water flood

**Initial Treatment:** When the system is noticeably contaminated, add 150 Antimicrobial to the system (0.1 to 5.0 gallons UCARCIDE® 150 Antimicrobial per 100 barrels of fluid). Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident, add 20 to 50 Antimicrobial (0.02 to 5.0 gallons UCARCIDE® 150 Antimicrobial per 100 barrels of fluid) to the system weekly, or as needed to maintain control.

**DRILLING, COMPLETION, AND WORKOVER FLUID**

UCARCIDE® 150 Antimicrobial should be added to a drilling fluid such as the circulating mud tank.

**Initial Treatment:** Add 50 to 1000 ppm UCARCIDE® 150 Antimicrobial (0.5 to 10 gallons UCARCIDE® 150 Antimicrobial per 100 barrels of fluid) to a fresh severity of contamination.

**Maintenance Doseage:** Maintain a concentration of 50 to 1000 ppm by adding 0.2 to 4.0 gallons of UCARCIDE® 150 Antimicrobial per 100 barrels of fluid, as needed, depending on the severity of contamination.

**PACKER FLUIDS**

UCARCIDE® 150 Antimicrobial should be added to a packer fluid as a circulating holding tank. Add 50 to 600 ppm UCARCIDE® 150 Antimicrobial (0.5 to 6.0 gallons UCARCIDE® 150 Antimicrobial per 100 barrels of fluid) to a fresh severity of contamination. Seal the treated packer fluid in the well production tube.

**GAS PRODUCTION AND TRANSMISSION PIPE**

UCARCIDE® 150 Antimicrobial should be added to a gas production direct injection. The application should be conducted to ensure maximum UCARCIDE® 150 Antimicrobial through the entire internal surface of the pipe. If necessary, it may be desirable to dilute the UCARCIDE® 150 Antimicrobial with a solvent immediately before use. Injections to the system should be repeated until control is achieved.

**GAS STORAGE WELLS AND SYSTEMS**

Individual injection wells should be treated with a sufficient quantity of UCARCIDE® 150 Antimicrobial to produce a concentration of 500 to 5000 ppm UCARCIDE® 150 Antimicrobial in the water present in the formation. Injection should take place during the summer. Injections should be repeated yearly, or as needed.

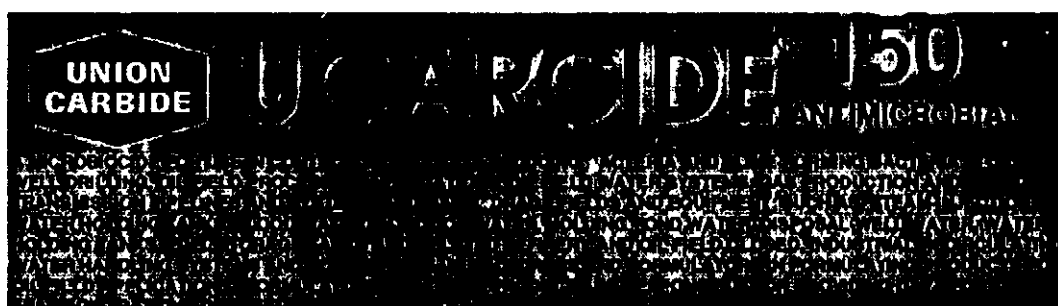
Individual drips should be treated with a sufficient quantity of UCARCIDE® 150 Antimicrobial to produce a concentration of 200 to 2000 ppm UCARCIDE® 150 Antimicrobial in the water present in the drip. Injections should be repeated yearly, or as needed.

**HYDROTESTING**

Water used to hydrotest pipelines or vessels should contain 100 to 200 ppm UCARCIDE® 150 Antimicrobial (0.1 to 4.0 gallons UCARCIDE® 150 Antimicrobial per 100 barrels of fluid) to maintain water quality and length of time the equipment will remain idle.

**PIPELINE PIGGING AND SCRAPING OPERATIONS**

Add UCARCIDE® 150 Antimicrobial to a slug of water immediately before pigging. Sufficient water volume can be kept to a minimum and contained between the pig and the wellhead. Sufficient UCARCIDE® 150 Antimicrobial should be added to produce a concentration of 500 to 5000 ppm UCARCIDE® 150 Antimicrobial (0.1 to 1.0 gallon UCARCIDE® 150 Antimicrobial per 100 gallons of water) in the pipeline and the severity of biofouling.



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:** Immediately wash with plenty of soap and water. Get medical attention.

**IF INHALED:** Remove to fresh air. If breathing is difficult, administer oxygen. If symptoms persist, call a physician.

**IF SWALLOWED:** DO NOT INDUCE VOMITING. Do not give anything to drink. Seek medical advice with urgency.

**NOTE TO PHYSICIAN:** Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

**UNION CARBIDE CORPORATION**

39 Old Ridgebury Road • Danbury, CT 06817-0001

EPA Reg. No. 10352-24

UCARCIDE is a registered trademark

of Union Carbide

Net Contents 55 gallons

EPA Est. No. 10352-WV-2

UCC-L90228 (C 03/94)

Made In USA

PE0394

CONTAINER SIZE 55 GALLONS	SHIPPING NAME	CORROSIVE LIQUID, N.O.S. (CONTAINS GLUTARALDEHYDE)	
		HAZARD CLASS 8	ID NUMBER UN 1760
NET WEIGHT 500 POUNDS			PG II

EMERGENCY CONTACT (24 HOURS PER DAY): IN USA 1-800-UCC-HELP (1-800-822-4357)

OUTSIDE USA 01-304-744-3487

OCT 26 1995

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

**STORAGE AND DISPOSAL**

**PESTICIDE DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are toxic. Improper disposal of excess pesticide is a violation of Federal law. If these wastes cannot be disposed of by the instructions, contact your State Pesticide or your Environmental Control representative at the nearest EPA Regional Office for guidance.  
**CONTAINER DISPOSAL:** Metal Containers or Plastic Containers offer for recycling or reconditioning, or puncture and dispose of in a approved by state and local authorities. Plastic Containers: May be recycled, or disposed of by state and local authorities, by burning. If burned, stay out of smoke. Metal Containers: Do not cut or weld on or near metal containers.

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

**DANGER  
KEEP OUT OF REACH OF CHILDREN**

Corrosive. Causes irreversible eye damage. Causes skin burns. Harmful if inhaled. May be fatal if swallowed. Harmful if absorbed through skin. May cause allergic skin reaction. Causes asthmatic signs and symptoms in hyper-reactive individuals.

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.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**STORAGE AND HANDLING**

UCARCIDE® 150 Antimicrobial solutions are incompatible with 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 -3°F (-21°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 1 month), temperatures of up to 100°F (37.8°C) can be tolerated but the preferred maximum storage temperature is about 80°F (26.7°C).

A stainless steel centrifugal pump is suggested for transfer service. Spiral wound stainless steel with TEFLON® is suitable for gaskets and packing.

**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, EXPRESSED OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR 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.

**BEFORE HANDLING OR USING, READ AND UNDERSTAND  
CURRENT UNION CARBIDE MATERIAL SAFETY DATA  
SHEET FOR THIS PRODUCT.**