

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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

FEB 14 1995

Attention: Ms. Joan E. Young,  
Regulatory Affairs Manager

Subject: UCARCIDE 142 Antimicrobial  
EPA Registration Number 10352-32  
Your Submission Dated February 25, 1994  
EPA Received Date March 8, 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 Warnings Statements, is acceptable provided that you make the following labeling revisions:

The heading "Hazards to Humans and Domestic Animals" is acceptable.

Revise the statement "May cause allergic skin reaction" to read " Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals."

The addition of the statement "Causes asthmatic signs and symptoms in hyper-reactive individuals" to the product labeling is acceptable.

A stamped copy of the labeling is enclosed for your records. Submit one (1) copy of the final printed label prior to the release of the product for shipment.

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

Sincerely,



Walter C. Francis  
Acting Product Manager(31)  
Antimicrobial Program Branch  
Registration Division(7505C)

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

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

**DANGER  
KEEP OUT OF REACH OF CHILDREN**

Corrosive. Causes irreversible eye damage. Causes skin burns. May be fatal if swallowed or absorbed through skin. Harmful if inhaled. 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<sup>®</sup> 142 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 -14°C (7°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 (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 TEF<sup>®</sup> 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.**



Active Ingredients: Glutaraldehyde 42.5%  
Alky<sup>1</sup> (C<sub>14</sub> 50%, C<sub>12</sub> 40%, C<sub>18</sub> 10%)  
dimethyl benzyl ammonium chloride ..... 7.5%  
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, get medical attention.  
**IF SWALLOWED:** DO NOT INDUCE VOMITING. Do not give anything to drink. Seek medical attention as a matter of urgency.  
**NOTE TO PHYSICIAN:** Aspiration may cause lung damage. Probable mucosal damage may occur. 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. 10352-32  
UCARCIDE is a registered trademark  
of Union Carbide  
Net Contents 55 gallons

EPA Est. No. 10352-32  
UCC-142

90305	CONTAINER SIZE	SHIPPING NAME	CORROSIVE LIQUID, N.O.S. (CONTAINS GLUTARALDEHYDE)	
	55 GALLONS			
ACCEPTED with COC PRODUCT OF	NET WEIGHT	HAZARD CLASS	ID NUMBER UN 1780	PG II
	500 POUNDS			

**EMERGENCY CONTACT (24 HOURS PER DAY): IN USA 1-800-UCC-HELP (1-800-822-4357) OUTSIDE USA 01-304-744-3**

FEB 14 1995

Under the provisions of the Federal Insecticide, Fungicide, and Rodenticide Act, the sale and distribution of this product is hereby authorized.

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**DIRECTIONS FOR USE**  
**GENERAL CLASSIFICATION**

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

**WATER FLOODS**

UCARCIDE® 142 Antimicrobial should be added to a water flood system at a point of uniform mixing

**Initial Treatment:** When the system is noticeably contaminated, add 100 to 5000 ppm UCARCIDE® 142 Antimicrobial to the system (0.1 to 5.0 gallons UCARCIDE® 142 Antimicrobial per 1000 gallons flood water). Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident, add 20 to 5000 ppm UCARCIDE® 142 Antimicrobial (0.02 to 5.0 gallons UCARCIDE® 142 Antimicrobial per 1000 gallons flood water) to the system weekly, or as needed to maintain control.

**DRILLING, COMPLETION, AND WORKOVER FLUIDS**

UCARCIDE® 142 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 to 1000 ppm UCARCIDE® 142 Antimicrobial (0.2 to 4.0 gallons UCARCIDE® 142 Antimicrobial per 100 barrels of fluid) to a freshly prepared fluid depending on the severity of contamination.

**Maintenance Dosage:** Maintain a concentration of 50 to 1000 ppm UCARCIDE® 142 Antimicrobial by adding 0.2 to 4.0 gallons of UCARCIDE® 142 Antimicrobial per 100 barrels of additional fluid, or as needed, depending on the severity of contamination.

**PACKER FLUIDS**

UCARCIDE® 142 Antimicrobial should be added to a packer fluid at a point of uniform mixing such as a circulating holding tank. Add 50 to 600 ppm UCARCIDE® 142 Antimicrobial (0.2 to 2.5 gallons UCARCIDE® 142 Antimicrobial 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.

**GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS**

UCARCIDE® 142 Antimicrobial should be added to a gas production or transmission pipeline via direct injection. The application should be conducted to ensure maximum distribution of the UCARCIDE® 142 Antimicrobial through the entire internal surface of the pipeline. To facilitate application, it may be desirable to dilute the UCARCIDE® 142 Antimicrobial with an appropriate solvent immediately before use. Injections to the system should be weekly, or as needed to maintain control.

**GAS STORAGE WELLS AND SYSTEMS**

Individual injection wells should be treated with a sufficient quantity of UCARCIDE® 142 Antimicrobial to produce a concentration of 500 to 5000 ppm UCARCIDE® 142 Antimicrobial when diluted by the water present in the formation. Injection should take place before gas is injected (during the summer). Injections should be repeated yearly, or as needed to maintain control.

Individual drips should be treated with a sufficient quantity of UCARCIDE® 142 Antimicrobial to produce a concentration of 200 to 2000 ppm UCARCIDE® 142 Antimicrobial when diluted by the water present in the drip. Injections should be repeated yearly, or as needed to maintain control.

**HYDROTESTING**

Water used to hydrotest pipelines or vessels should contain 100 to 4000 ppm UCARCIDE® 142 Antimicrobial (0.1 to 4.0 gallons UCARCIDE® 142 Antimicrobial per 1000 gallons water), depending on water quality and length of time the equipment will remain idle.

**PIPELINE PIGGING AND SCRAPING OPERATIONS**

Add UCARCIDE® 142 Antimicrobial to a slug of water immediately following the scraper (ideally the water volume can be kept to a minimum and contained between the scraper and a trailing pig). Sufficient UCARCIDE® 142 Antimicrobial should be added to produce a concentration of 0.1 - 1% (0.1 to 1.0 gallon UCARCIDE® 142 Antimicrobial per 100 gallons water), depending on the length of the pipeline and the severity of biofouling.

**STORAGE AND DISPOSAL**

**PESTICIDE 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 or Plastic 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. Plastic Containers: May be incinerated, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Metal Containers: Must not be incinerated. Do not cut or weld on or near metal containers.



Active Ingredients:	Glutaraldehyde	42.5%
	Alkyl (C <sub>14</sub> 50%, C <sub>12</sub> 40%, C <sub>16</sub> 10%)	
	dimethyl benzyl ammonium chloride	7.5%
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. 10352-32  
UCARCIDE is a registered trademark of Union Carbide  
Net Contents 55 gallons

EPA Est. No. 10352-WV-2  
UCC-L90305(E 02/94)  
Made in USA  
PE0294

90305	CONTAINER SIZE	SHIPPING NAME	CORROSIVE LIQUID, N.O.S. (CONTAINS GLUTARALDEHYDE)	
	55 GALLONS		ID NUMBER UN 1760	PG II
	500 POUNDS NET WEIGHT	HAZARD CLASS		

ACCEPTED  
with COPIES  
in EPA Files

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

**OUTSIDE USA 01-304-744-3487**

FEB 14 1995

**BEST AVAILABLE COPY**

Under the provisions of the  
Emergency Response  
Act  
10352-32

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**DO UNDERSTAND**  
**SAFETY DATA**  
**IT.**