

Reg # 10352-30

PA-31

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 114 Antimicrobial
EPA Registration Number 10352-30
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 Hazards Warning Statements, is acceptable.

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 product labeling is enclosed for your records. Submit one (1) copy of the final printed labeling prior to 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 yours,

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

CONCURRENCES

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293

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER
KEEP OUT OF REACH OF CHILDREN

Corrosive. Causes irreversible eye damage. Causes skin irritation. Harmful if inhaled. Harmful if swallowed. 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 3-114 Ammoniacal 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 acid resistant lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. This product freezes at about 31°F (26.4°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 (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 gaskets 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 reasonable expert 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.

NEITHER THE BUYER, USER, RENTER, AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL DAMAGES, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT SUCH LIABILITY IS BASED IN CONTRACT, TORT, OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE OF THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. MANUFACTURER 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 Ingredient: Glutaraldehyde 14.0%
 Alkyl(C₁₄ 50%, C₁₂ 40%, C₁₈ 10%) dimethyl benzyl ammonium chloride 2.5%
 Inert Ingredients: 83.5%
 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 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 immediately.
NOTE TO PHYSICIAN: Aspiraton may cause lung damage. Probable mucosal damage may contribute to 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. 10352-30
 UCARCIDE is a registered trademark of Union Carbide
 Net Contents 55 gallons

EPA Est. No. UCC-190

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|-----------------------|------------------------------|
| 90306 PRODUCT CODE | CONTAINER SIZE 55 GALLONS |
| | 485 POUNDS NET WEIGHT |

ACCEPTED with COMMENTS in EPA Letter Dated:

FEB 14 1995

EMERGENCY CONTACT (24 HOURS PER DAY) IN USA 1-800-UCC-HELP (1-800-828-4357) OUTSIDE USA 01-304-744-348

BEST AVAILABLE COPY

10352-30

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CHILDREN

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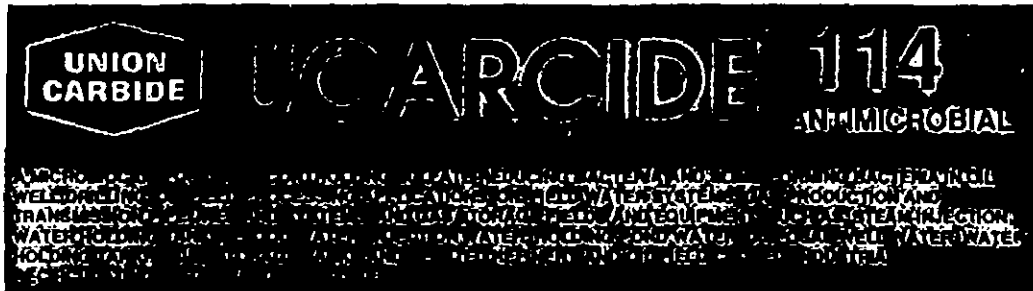
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AIMER

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ID UNDERSTAND
SAFETY DATA
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Active Ingredient: Glutaraldehyde _____ 14.0%
Alkyl(C₁₄ 50%, C₁₂ 40%, C₁₆ 10%)
dimethyl benzyl ammonium chloride _____ 2.5%
Inert Ingredients: _____ 83.5%
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 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. 10352-30

UCARCIDE is a registered trademark

of Union Carbide

Net Contents 55 gallons

EPA Est. No. 10352 WV-2

UCC-L90306 (E 02/94)

Made in USA

PE0294

ACCEPTED
with COMMENTS
in EPA Letter Date

FEB 14 1995

| | |
|-------------------------|----------------|
| 90306 PRODUCT CODE | CONTAINER SIZE |
| | 55 GALLONS |
| 45 POUNDS NET WEIGHT | |

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

OUTSIDE USA 01-304-744-3487

register

10352-30

BEST AVAILABLE COPY

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® 114 Antimicrobial should be added to a water flood system at a point of uniform mixing.

Initial Treatment: When the system is noticeably contaminated, add 300 to 15150 ppm UCARCIDE® 114 Antimicrobial to the system (0.3 to 15.2 gallons UCARCIDE® 114 Antimicrobial per 1000 gallons flood water). Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 60 to 15150 ppm UCARCIDE® 114 Antimicrobial (0.06 to 15.2 gallons UCARCIDE® 114 Antimicrobial per 1000 gallons flood water) to the system weekly, or as needed to maintain control.

DRILLING, COMPLETION, AND WORKOVER FLUIDS

UCARCIDE® 114 Antimicrobial should be added to a drilling fluid system at a point of uniform mixing such as the circulating mud tank.

Initial Treatment: Add 150 to 3030 ppm UCARCIDE® 114 Antimicrobial (0.6 to 12.1 gallons UCARCIDE® 114 Antimicrobial per 100 barrels of fluid) to a freshly prepared fluid depending on the severity of contamination.

Maintenance Dosage: Maintain a concentration of 150 to 3030 ppm UCARCIDE® 114 Antimicrobial by adding 0.6 to 12.1 gallons UCARCIDE® 114 Antimicrobial per 100 barrels of a drilled fluid, or as needed, depending on the severity of contamination.

PACKER FLUIDS

UCARCIDE® 114 Antimicrobial should be added to a packer fluid at a point of uniform mixing such as a circulating holding tank. Add 150 to 1820 ppm UCARCIDE® 114 Antimicrobial (0.6 to 7.6 gallons UCARCIDE® 114 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.

GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS

UCARCIDE® 114 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® 114 Antimicrobial through the entire internal surface of the pipeline. To facilitate application, it may be desirable to dilute the UCARCIDE® 114 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® 114 Antimicrobial to produce a concentration of 1520 to 15150 ppm UCARCIDE® 114 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® 114 Antimicrobial to produce a concentration of 810 to 8060 ppm UCARCIDE® 114 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 300 to 12120 ppm UCARCIDE® 114 Antimicrobial (0.3 to 12.1 gallons UCARCIDE® 114 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® 114 Antimicrobial to a slug of water immediately following the scraper. Only the water volume can be kept to a minimum and contained between the scraper and a trailing pig. Sufficient UCARCIDE® 114 Antimicrobial should be added to produce a concentration of 0.3 to 3.0% (0.3 to 3.0 gallons UCARCIDE® 114 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 and disposal. Open burning is prohibited. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray material, or waste 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: This does not apply. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or other approved by state and local authorities. Plastic Containers: May be incinerated, or otherwise approved 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.