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| US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460 | EPA REGISTRATION NUMBER | DATE OF ISSUANCE |
| | TERM OF ISSUANCE | DEC 29 1989 |
| | NAME OF PESTICIDE | |

NOTICE OF PESTICIDE: REGISTRATION REREGISTRATION
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended.

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

[Faint, mostly illegible text of registrant information, possibly including "The Insecticide..."]

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under the Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been previously used.

[Faint, mostly illegible text of regulatory conditions and terms of registration, including references to FIFRA and registration numbers.]

Marshall Lundell, for
 John H. Lee
 Product Manager (31)
 Antimicrobial Program Branch
 Registration Division (H7505C)

SIGNATURE OF APPROVING OFFICIAL

DATE

ATTACHMENT IS APPLICABLE

2015

Proposed UCARCIDE® 115 Label (Center Panel)
EPA File No. 10352-
March 16, 1988

UNION CARBIDE

UCARCIDE® 115 Antimicrobial

A MICROBIOCIDIC 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 HOLDING TANKS, FLOOD WATER, INJECTION WATER, HOLDING POND WATER, DISPOSAL-WELL WATER, AND WATER HOLDING TANKS AND RELATED REFINERY AND OIL FIELD CLOSED, INDUSTRIAL RECIRCULATING WATER HANDLING SYSTEMS.

| | | |
|---------------------|----------------|---------------|
| Active Ingredients: | Glutaraldehyde | 15.0% |
| Inert Ingredients: | | 85.0% |
| | | <u>100.0%</u> |

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. If conscious, 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 Principle Cities
EPA Reg. No. 10352-
UCARCIDE® is a registered trademark of
Union Carbide Corporation
Net Wt. 470 lb. (kg)

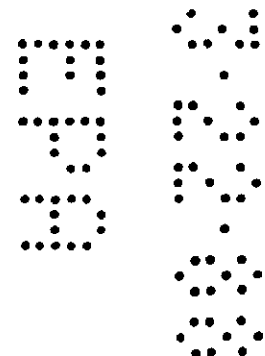
EPA Est. No. 10352-WV-2
UCC No. _____
Made in USA

PC-89748

0564j

DEC 29 1988

10352-43



UCARCIDE® 115 Label
March 16, 1988

(Left Panel)

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

3015
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DANGER

Keep Out of Reach of Children

Corrosive. Causes irreversible eye damage and skin damage. 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 | 1.042 | Solubility in Water at 20°C | Complete |
| Vapor Pressure at 20°C | 18.1 mm Hg | Solubility of Water in at 20° | Complete |
| Freezing Point | -6°C | pH at 25°C | 3.1 to 4.5 |

10352-43
DEC 20 1988

STORAGE AND HANDLING

UCARCIDE® 115 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 -6°C (21°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. Spiral wound stainless steel with teflon is suitable for gaskets and packing.

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 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. Do not cut or weld on or near metal containers. PLASTIC CONTAINERS: May be incinerated if allowed by state or local authorities. If burned, stay out of smoke. METAL CONTAINERS: Must not be incinerated.

DIRECTIONS FOR USE

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

WATER FLOODS

UCARCIDE® 115 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 335-670 ppm UCARCIDE® 115 Antimicrobial to the system (0.33-0.66 gallons UCARCIDE® 115 per 1000 gallons flood water). Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 135-670 ppm UCARCIDE® 115 (0.14-0.66 gallons UCARCIDE® 115 per 1000 gallons flood water) to the system weekly, or as needed to maintain control.

DRILLING MUDS

UCARCIDE® 115 Antimicrobial should be added to a drilling fluid system at a point of uniform mixing, such as the circulating mud tank.

Initial Treatment: Add 170-3350 ppm UCARCIDE® 115 Antimicrobial (0.68-13.5 gallons UCARCIDE® 115 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 170-3350 ppm UCARCIDE® 115 level by adding 0.68-13.5 gallons of UCARCIDE® 115 per 100 barrels of additional fluid, or as needed, depending on the severity of contamination.

COMPLETION AND WORKOVER FLUIDS

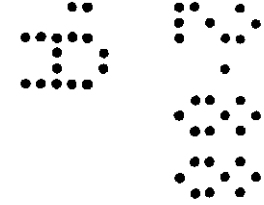
UCARCIDE® 115 Antimicrobial should be added to a completion and workover fluid at a point of uniform mixing such as a circulating tank. Add 170-3350 ppm UCARCIDE® 115 Antimicrobial (0.68-13.5 gallons UCARCIDE® 115 per 100 barrels of fluid) to freshly prepared fluid depending on the severity of contamination. 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® 115 Antimicrobial should be added to a packer fluid at a point of uniform mixing such as a circulating holding tank. Add 170-2050 ppm UCARCIDE® 115 Antimicrobial (0.68-8.2 gallons UCARCIDE® 115 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.

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10352-43
DEC 29 1989



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 run 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 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 conditions.

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.

DEC 29 1989

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