

JUN 21 1990

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

Attention: Joan E. Young

Gentleman:

Subject: Amended Application Dated: 11/29/88

- UCARCIDE® 125 Antimicrobial 10325-14
- UCARSAN® 420 Sanitizer 10325-18
- UCARCIDE® 225 Antimicrobial 10325-20
- UCARCIDE® 250 Antimicrobial 10325-21
- AQUCAR® 545 Water Treatment Microbiocide 10325-22
- AQUCAR® 515 Water Treatment Microbiocide 10325-23
- UCARCIDE® 150 Antimicrobial 10325-24
- UCARCIDE® 145LT Antimicrobial 10325-25
- UCARSAN® 4128 Sanitizer 10325-26
- UCONEX® 315 Antimicrobial 10325-27
- UCONEX® 345 Antimicrobial 10325-28
- UCARCIDE® 602 Sterilizing & Disinfecting Solution 10325-29
- UCARCIDE® 114 Antimicrobial 10325-30
- AQUCAR® 514 Water Treatment Microbiocide 10325-31
- UCARCIDE® 142 Antimicrobial 10325-32
- AQUCAR® 542 Water Treatment Microbiocide 10325-33
- UCARCIDE® 750 Antimicrobial 10325-35
- PIROR® 850 Slimicide 10325-37
- UCARCIDE® 250 Preservative 10325-38
- UCARCIDE® 225 Preservative 10325-39
- AQUCAR® 504 Water Treatment Microbiocide 10325-40

54101:I:Leary:L-2:KEMCO:06/07/90:07/07/90:ka:sw:vo:dd:ka

**BEST AVAILABLE COPY**

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The amendment referred to above, submitted in connection with registration under FIFRA to make changes in the precautionary statements, is acceptable provided that you:

1. Make the following labeling listed below before you release the product for shipment bearing the amended labeling:

a. In lieu of supporting data delete the following statement: "Harmful if inhaled".

Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

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

If you have any questions concerning this letter, please contact Karen M. Leavy at (703)-557-3966.

Sincerely yours,

John H. Lee  
Product Manager (31)  
Antimicrobial Program Branch  
Registration Division (H7505C)

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See MSDS for exposure limits of components.

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS**

**DANGER**

**KEEP OUT OF REACH OF CHILDREN**

Corrosive to the eye. Causes irreversible eye damage. Causes skin irritation. May cause skin sensitization. Harmful if swallowed.

Do not get in eyes, on skin, on clothing.  
Avoid breathing vapors.

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 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.

**STORAGE AND HANDLING**

UCONEX® 315 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 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. Do not cut, or weld on or near metal containers. **Plastic Container:** may be incinerated, if allowed by state and local authorities. If burned, stay out of smoke. **Metal Containers:** must not be incinerated.

**BEST**



ACCEPTED MICROBICIDE FOR USE IN CONTROLLING BACTERIA, INCO  
with COMMENTS MOLD, YEAST AND ALGAE IN HEAT TRANSFER WA  
in EPA Letter Dated: FLUIDS AND LUBRICANTS, AND AQUEOUS ME

JUN 21 1990

Active Ingredient: Glutaraldehyde . . .  
Inert Ingredients: . . . . .

10352-27

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

**STATEMENT OF PRACTICAL T**

**IF IN EYES:** Immediately flush with plenty of water for at least 15 minutes.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.

**IF INHALED:** Remove to fresh air. If breathing is difficult, administer artificial respiration.

**IF SWALLOWED:** DO NOT INDUCE VOMITING. Do not give anything by mouth to someone who is unconscious.

**Note to Physician:** Aspiration may cause lung damage. Probable cause of death is the use of gastric lavage.

**UNION CARBIDE CHEMICALS AND SPECIALTY CHEMICALS**

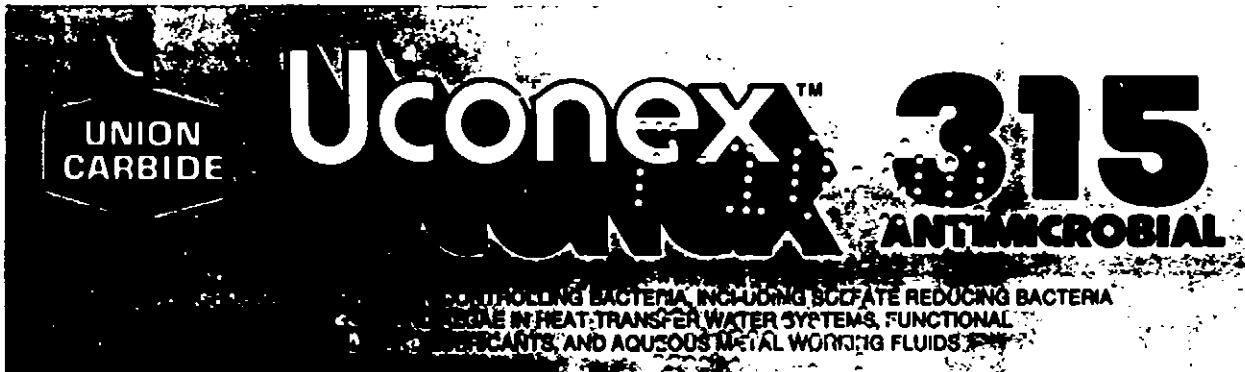
Danbury, CT 06811 • Offices in Principal Cities  
EPA Reg. No. 10352-27  
UNCONEX® is a registered trademark of  
Union Carbide Corporation  
Net Weight 470 Lbs. (213KG)

98271  
PRODUCT CODE

**IN CASE OF EMERGENCY, TELEPHONE (24 HOURS)**

**BEST AVAILABLE COPY**

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JUN 21 1980

Active Ingredient: Glutaraldehyde ..... 15.0%  
Inert Ingredients: ..... 85.0%  
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 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.

**UNION CARBIDE CHEMICALS AND PLASTICS COMPANY INC.**  
**SPECIALTY CHEMICALS DIVISION**

Danbury, CT 06817 • Offices in Principal Cities  
EPA Reg. No. 10352-27  
UNCONEX® is a registered trademark of  
Union Carbide Corporation  
Net Weight 470 Lbs (213KG)

EPA Est. No. 10352-WV-2  
UCC-L 90271 (9/89)  
Made in USA

90271	CONTAINER SIZE
PRODUCT CODE	55 GALLONS
	470 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 BASED CONVEYOR LUBRICANTS**

(Brewery, Juice, Dairy, Beverage, and Food Processing Systems)

Thoroughly clean all tracks and conveyors to remove gross soil. Rinse well. Use an automatic feed system as recommended by our UCC representative to provide 4.1-24.6 fluid ounces (50-300ppm active) of UCONEX® 315 per 100 gallons of diluted lubricant. Apply to track and lubricant.

**HEAT TRANSFER SYSTEMS**

(Cooling Towers, Evaporative condensers, Air Washers, Dairy Sweetwater Systems, Hydrostatic Sterilizers and Retorts, Pasteurizers and Warmers, and Recirculating and Once-Through Cooling Water Systems.)

UCONEX® 315 should be added to the system at a point of uniform mixing, such as a sump or collection basin. Either an intermittent (slug dose) or continuous feed may be used. Use higher feed rates for fouled systems and lower rates for clean systems.

**Intermittent (Slug Feed) Dose:** Add 17-82 fluid ounces (20-100 ppm active) of UCONEX® 315 per 1000 gallons of water in the system once or twice a week or as needed to maintain control.

**Continuous Feed Method:** Initially slug feed 17-82 fluid ounces (20-100 ppm active) of UCONEX® 315 per 1000 gallons of water in the system. Then continuously feed UCONEX® 315 to the system to maintain a 20-100 ppm level of active in process waters.

**AQUEOUS METAL WORKING FLUIDS**

UCONEX® 315 Antimicrobial should be added to a metalworking fluid system at a point of uniform mixing such as the fluid collection tank. Additions may be made intermittently (slug dose) at intervals of one week or less.

**Initial Dose:** When the system is noticeably fouled, apply 8.2-24.6 fluid ounces (100-300 ppm active) of UCONEX® 315 per 100 gallons of metalworking fluid to the system. Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident, add 3.4-16.4 fluid ounces (40-200 ppm active) of UCONEX® 315 Antimicrobial per 100 gallons of metalworking fluid to the system weekly or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

**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 it at 20°C . . . . . Complete
Freezing Point . . . . . -6°C	pH at 25°C . . . . . 3.1 to 4.5

**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 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.**