

Reg # 10352-27 PM-31

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UNION CARBIDE

UCONEX® 315 Antimicrobial and Water Treatment Microbiocide

A MICROBIOCIDES FOR USE IN CONTROLLING BACTERIA, INCLUDING SULFATE REDUCING BACTERIA, MOLD, YEAST AND ALGAE IN HEAT TRANSFER WATER SYSTEMS, FUNCTIONAL FLUIDS AND LUBRICANTS, AND AQUEOUS METAL WORKING FLUIDS.

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. Give a glass of water if patient is conscious. Call a physician immediately.
- If inhaled: Remove to fresh air. If breathing is difficult, administer oxygen. If symptoms persist, call a physician.

NOTE TO PHYSICIANS: Probable mucosal damage may contraindicate the use of gastric lavage.

UNION CARBIDE CHEMICALS & PLASTICS COMPANY INC. -- SPECIALTY CHEMICALS
 Danbury, CT 06817 Offices in Principle Cities EPA Est. No. 10352-WV-2
 EPA Reg. No. 10352-27 UCC No. _____
 UCONEX® is a registered trademark of Union Carbide Corporation Made in USA
 Net Wt. 470 lb. (53 gal.) RC-

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ACCEPTED
 SEP 22 1990
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registration under EPA Reg. No. 10352-27

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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 your UCC representative to provide 4.1-24.6 fluid ounces (50-300 ppm 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 17-52 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 17-52 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.

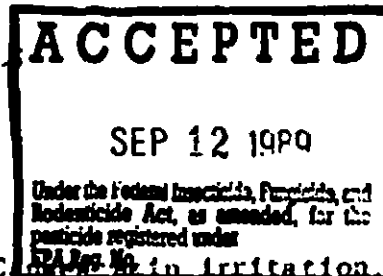
Subsequent Dose: When microbial control is evident, add 3.4-16.4 fluid ounces (40-200 ppm active) of UCONEX® 315 Antimicrobial per 100 gallons of metalworking fluid to the system weekly, or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

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PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS



DANGER

Keep Out of Reach of Children

Corrosive to the eye. Causes irreversible eye 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 discharge effluent containing this product 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°C	Complete
Freezing Point	-6°C	pH at 25°C	3.1 to 4.5

STORAGE AND HANDLING



UCONGX® 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 food 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 Containers: may be incinerated, or if allowed by state and local authorities, burned. If burned, stay out of smoke. Metal Containers: must not be incinerated.

UCONEX® 315 Label
EPA File No. 10352-27

(Right Panel - Continued)

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, 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 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.

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