

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



United States
Environmental Protection
Agency

Office of Pesticide Programs

NOV - 8 2012

The Dow Chemical Company
1803 Building
Midland, MI 48674

Attention: Rhonda Vance-Moeser
Senior Product Stewardship Specialist

Subject: UCARCIDE™ 15 Antimicrobial
EPA Registration No. 464-693
Notification Dated October 11, 2012

This will acknowledge receipt of your notification, submitted under the provisions of FIFRA Section 3(c)(9).

Proposed Notification

3. Add "Produced for" as an option when product produced by contract manufacturer
4. Add "Product not registered for this use in the State of California" as an indicator option on labels to indicate a use is not registered in the State of California

General Comment

Based on a review of the submitted material, the following comments apply.

The Notification is in compliance with PR Notice 98-10 and is acceptable. This information has been added to the file.

If you have any questions concerning this letter, please contact Martha Terry (703) 308-6217.

Sincerely,

Marshall Swindell
Product Manager (33)
Regulatory Management Branch 1
Antimicrobials Division (7510P)

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060

Print Form



United States
Environmental Protection Agency
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 464 - 693	2. EPA Product Manager Marshall Swindell	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) The Dow Chemical Company / UCARCIDE™ 15 Antimicrobial	PM# 33	
5. Name and Address of Applicant (Include ZIP Code) The Dow Chemical Company 1803 Building Midland, MI 48674 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: <input checked="" type="checkbox"/> EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification to 1) Add "Produced for" as an option when product produced by contract manufacturer 2) Add "Product not registered for this use in the State of California" as an indicator option on labels to indicate a use is not registered in the State of CA. Required Notification statement and additional information can be found on the cover letter.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product			<input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled	<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Rhonda Vance-Moeser	Title PSS Regulatory Manager	Telephone No. (Include Area Code) (989) 636-1884
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		8. Date Application Received (Stamped)
2. Signature Rhonda Vance-Moeser <small>Digitally signed by Rhonda Vance-Moeser DN: cn=Rhonda Vance-Moeser, o=Dow, email=rgvmoeser@dow.com, c=US Date: 2012.10.10 14:48:37 -0400</small>	3. Title Product Stewardship Regulatory Manager	
4. Typed Name Rhonda Vance-Moeser	5. Date October 11, 2012	



The Dow Chemical Company
Midland, MI 48674
U.S.A.

October 11, 2012

Office of Pesticide Programs (7504P)
Document Processing Desk (NOTIF)
U. S. Environmental Protection Agency
One Potomac Yard, Room S-4900
2777 S. Crystal Drive
Arlington, Virginia 22202-4501

Overnight Mail

RE: NOTIFICATION – UCARCIDE™ 15 Antimicrobial – EPA Reg. No. 464-693

Dear Mr. Swindell,

The Dow Chemical Company (Dow) hereby submits a Notification to the label of UCARCIDE 15 Antimicrobial, EPA Reg. No. 464-693. Specifically, we are requesting to:

- 1) Add "Produced for" as an option when product produced by contract manufacturer
- 2) Add "Product not registered for this use in the State of California" as an indicator option on labels to indicate a use is not registered in the State of California.

In order for the application to be processed the required Notification statement is included below.

"This Notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject enforcement action and penalties under section 12 and 14 of FIFRA"

Enclosed are the following documents to support this notification

- 1) Completed application for Pesticide Registration, Form 8570-1.
- 2) Required notification statement above.
- 3) Three copies of the product label; one with changes highlighted

Please contact me if you have any questions or need additional information.

Sincerely,

Rhonda Vance-Moeser

Rhonda Vance-Moeser
Product Stewardship Regulatory Manager
1691 N. Swede Road, Midland, MI 48674
Phone: (989) 636-1884 e-mail: rgvmoeser@dow.com

Enclosures

UCARCIDE™ 15 Antir

A highly effective Microbiocide for use in controlling Bacteria including Slime Forming Bacteria that contain Reverse Osmosis Membranes and Service Water and Auxiliary Systems, Heat Water Systems, Pigments and Filler Slurries for Paper and Paperboard, Water Based Co Consumer Processes and Products and for use in Preserving Aqueous-Based Solutions Storage Fields and Equipment; such as Steam-Injection Water Holding Tanks, Flood Water Handling Systems.

Active Ingredient: Glutaraldehyde 15%
 Inert Ingredient(s): 85%
 Total 100%

KEEP OUT OF REACH OF CHILDREN
DANGER

FIRST AID	
IF SWALLOWED:	<ul style="list-style-type: none"> • Call a poison control center or a doctor immediately for treatment advice. • DO NOT INDUCE VOMITING. • Do not give anything to drink.
IF IN EYES:	<ul style="list-style-type: none"> • Wash immediately and continuously with flowing water for at least 30 minutes. • Remove contact lenses after the first 5 minutes and continue washing. Obtain prompt medical consultation, preferably from an ophthalmologist. • Call a poison control center or a doctor immediately for treatment advice.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15–20 minutes. • Call a poison control center or a doctor for treatment advice.
IF INHALED:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or a doctor for further treatment advice.
NOTE TO PHYSICIAN: Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.	
Have the MSDS and, if available, the product container or label with you when calling a poison control center or a doctor, or going for treatment.	
IN CASE OF AN EMERGENCY endangering life or property involving this product, call collect (989)636-4400.	

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

E.P.A. Registration No. 464-693

E.P.A. Est. XXXXX-XXX

Produced for: (option for use when produced by a contract manufacturer)



The Dow Chemical Company

Midland, Michigan 48674 U.S.A.

(989)636-4400

® TM Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

Made in U.S.A.

LOT NO:

microbial

acteria and Sulfate-Reducing Bacteria, Fungi (Yeast and Molds) and Algae in Air washers and In-Transfer Systems, Wastewater Systems Including Wastewater Sludge and Holding Tanks, Beatings for Paper and Paperboard and Functional Fluids and Lubricants and Aqueous Metalworking Slurries and Emulsions and in Oil Well Drilling, Oil Field Processing Applications, Oil Field Fracturing Fluids, Injection Water, Holding Pond Water, Disposal-Well Water, Water Holding

DIRECTIO

It is a violation of Federal Law to use this

AIR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS/RECIRCULATING COOLING AND PROCESS WATER SYSTEMS

This product may be used only in industrial air washers and air washer systems which have mist-eliminating components. UCARCIDE 15 Antimicrobial should be added at the application rates described below to a water treatment system at a convenient point of uniform mixing such as the basin area. Addition may be made intermittently (SLUG DOSE) or continuously. Badly fouled systems can be shock treated with UCARCIDE 15 Antimicrobial. Under these conditions, blowdown should be discontinued for up to 24 hours.

UCARCIDE 15 Antimicrobial can be used in industrial process water systems that contain ultra filtration units and non-medical reverse osmosis membranes (where approved for compatibility by the membrane manufacturer) and associated distribution systems.

INTERMITTENT (SLUG DOSE) METHOD

Initial Dose: When the system is noticeably fouled, apply 4.1 to 8.2 fluid ounces of UCARCIDE 15 Antimicrobial per 100 gallons of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 1.6 to 4.1 fluid ounces of UCARCIDE 15 Antimicrobial per 100 gallons of water in the system weekly, or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

CONTINUOUS FEED METHOD

Initial Dose: When the system is noticeably fouled, apply 4.1 to 8.2 fluid ounces of UCARCIDE 15 Antimicrobial per 100 gallons of water in the system.

Subsequent Dose: Maintain this treatment level by starting a continuous feed of 0.8 to 4.1 fluid ounces of UCARCIDE 15 Antimicrobial per 100 gallons of water in the system per day. Badly fouled systems must be cleaned before treatment is begun.

SERVICE WATER AND AUXILIARY SYSTEMS

UCARCIDE 15 Antimicrobial should be used at the same application rates, and in the same manner as described above. It should be added to the system at a point that will allow for uniform mixing throughout the system.

HEAT TRANSFER SYSTEMS

(Evaporative Condensers, Dairy Sweetwater Systems, Hydrostatic Sterilizers And Retorts, And Pasteurizers And Warmers) UCARCIDE 15 Antimicrobial should be used at the same application rates, and in the same manner as described above. It should be added to the system at a point of uniform mixing such as a basin area, sump area, or other reservoir or collecting area from which the treated water will be circulated uniformly throughout the system.

INDUSTRIAL WASTEWATER SYSTEMS

(Wastewater Systems, Wastewater Sludge And Wastewater Holding Tanks) UCARCIDE 15 Antimicrobial should be added to a wastewater system or sludge at a convenient point of uniform mixing such as the digester. Add 1.4 to 7.2 gallons (1500 to 7,500 ppm UCARCIDE 15 Antimicrobial) per 1,000 gallons of wastewater or sludge.

BEET SUGAR MILLS AND BEET SUGAR MILL PROCESS WATER SYSTEMS

UCARCIDE 15 Antimicrobial should be added to the system at a point of uniform mixing such as the diffuser, transport water pump, weir box, or diffuser feed water pump. Additions may be made intermittently (SLUG DOSE) or continuously.

INTERMITTENT (SLUG DOSE) METHOD

Initial Dose: When the system is noticeably contaminated, add 19.6 to 49.1 fluid ounces (667 to 1,667 ppm product) of UCARCIDE 15 Antimicrobial per ton or 640 to 1,600 mL of UCARCIDE 15 Antimicrobial per metric ton of sliced beets as a slug dose. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 2.94 to 29.4 fluid ounces (96 to 960 ppm) of UCARCIDE 15 Antimicrobial per ton or 96 to 960 mL of UCARCIDE 15 Antimicrobial per metric ton of sliced beets in the system as a slug dose as necessary to maintain control. The total should not exceed 350 gallons per 1,000 tons of beets sliced per day.

CONTINUOUS FEED METHOD

Initial Dose: When the system is noticeably contaminated, add 19.6 to 49.1 fluid ounces/minute (667 to 1,667 ppm product) of UCARCIDE 15 Antimicrobial per ton or 640 to 1,600 mL/minute of UCARCIDE 15 Antimicrobial per metric ton of beets sliced per minute in the system via automatic pump of suitable construction.

Subsequent Dose: When microbial control is evident, add 2.94 to 29.4 fluid ounces/minute (100 to 1,000 ppm) of UCARCIDE 15 Antimicrobial per ton or 96 to 960 mL/minute of UCARCIDE 15 Antimicrobial per metric ton of beets sliced per minute in the system, or as necessary to maintain control. The total should not exceed 350 gallons per 1,000 tons of beets sliced per day.

PAPER MILLS AND PAPER MILL PROCESS WATER SYSTEMS

UCARCIDE 15 Antimicrobial should be added to the paper making system at a point of uniform mixing such as the beaters, broke chest pump, save-all tank, or white-water tank.

Initial Dose: When the system is noticeably contaminated, add 1.7 to 9.9 lbs of UCARCIDE 15 Antimicrobial per ton of pulp or paper (dry basis) as a slug dose. Repeat until control is achieved. Heavily fouled systems should be boiled out prior to initial treatment.

Subsequent Dose: When microbial control is evident, add 1.0 to 6.6 lbs of UCARCIDE 15 Antimicrobial per ton of pulp or paper (dry basis) as a slug dose as necessary to maintain control.

PIGMENTS AND FILLER SLURRIES FOR PAPER AND PAPERBOARD

(For use in food and non-food contact pigments and filler slurries) Use from 0.33 to 2.0 lbs. of UCARCIDE 15 Antimicrobial per 1,000 lbs. of dry powder to produce a concentration from 333 to 2,000 ppm as product (based on slurry solids) in the mixed slurry.

WATER BASED COATINGS FOR PAPER AND PAPERBOARD

NOTE: For use in non-food contact coatings only. Use from 0.33 to 2.0 lbs. of UCARCIDE 15 Antimicrobial per 1,000 lbs. of dry powder to produce a concentration from 333 to 2,000 ppm as product (based on slurry solids) in the mixed slurry.

AQUEOUS METALWORKING FLUIDS

UCARCIDE 15 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 to 24.6 fluid ounces (100 to 300 ppm active) of UCARCIDE 15 Antimicrobial per 100 gallons of metalworking fluid to the system. Repeat until control is achieved.

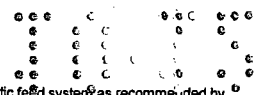
Subsequent Dose: When microbial control is evident, add 3.3 to 16.4 fluid ounces (40 to 200 ppm active) of UCARCIDE 15 Antimicrobial per 100 gallons of metalworking fluid to the system weekly, or as needed to maintain control. Badly fouled systems should be cleaned before treatment is begun.

WATER BASED CONVEYOR LUBRICANTS

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

Avoid contamination of food in application of product.

Thoroughly clean all tracks and conveyors to remove gross soil. Rinse well. Use an automatic feed system as recommended by your Dow representative to provide 4.1 to 24.6 fluid ounces (50 to 300 ppm active) of UCARCIDE 15 Antimicrobial per 100 gallons of diluted lubricant.



CHANGE Highlighted

6/7

Industrial Scrubbing Systems, Recirculating Cooling and Process Water Systems Including those Sugar Mills and Beet Sugar Mill Process Water Systems, Paper Mills and Paper Mill Process Working Fluids and for use by Manufacturers as a Preservative in Industrial, Institutional and Water Systems, Oil and Gas Production and Transmission Pipelines and Systems, and Gas Tanks, Fuel Storage Tanks and related Refinery and Oil Field Closed, Industrial Recirculating

INSTRUCTIONS FOR USE

Use this product in a manner inconsistent with its labeling.

GENERAL PRESERVATIVE USE

UCARCIDE 15 Antimicrobial is recommended for use in aqueous or water containing products and systems, including industrial, institutional and consumer in-can processes and products, to control the growth of bacteria and fungi. For effective preservation, add UCARCIDE 15 Antimicrobial to the product formulation at a rate of 0.066% to 0.66% (660 to 6,660 ppm) based on the water content of the product (0.66 to 6.6 lbs UCARCIDE 15 Antimicrobial per 1,000 lbs water content). Mix uniformly.

PRESERVATIVE FOR CONCENTRATES

For use in concentrates where effective preservation is needed after dilution, add UCARCIDE 15 Antimicrobial to the product formulation at a rate such that the diluted end-use product will contain 0.066% to 0.66% UCARCIDE 15 Antimicrobial. At no time during the preservation process should the level of UCARCIDE 15 Antimicrobial exceed 6.6%.

REVERSE OSMOSIS MEMBRANES

For effective preservation of reverse osmosis elements (where approved for compatibility by membrane manufacturer), immerse elements in a tank containing 0.66% to 6.6% UCARCIDE 15 Antimicrobial. UCARCIDE 15 Antimicrobial can also be added to in-line recirculating systems for preservation of installed out-of-service reverse osmosis equipment (where approved for compatibility by membrane manufacturer). Add 0.66% to 6.6% UCARCIDE 15 Antimicrobial to the tank in the circulating system. Maintain the concentration of UCARCIDE 15 Antimicrobial by periodic addition to counteract any system leakage.

CONCRETE ADMIXTURES

For effective preservation of concrete admixtures, add UCARCIDE 15 Antimicrobial to the product formulation at a rate of 6,660 to 26,700 ppm based on the weight of the admixture (6.7 to 26.7 lbs UCARCIDE 15 Antimicrobial per 1,000 lbs. concrete admixture). Mix uniformly.

WATER FLOODS

UCARCIDE 15 Antimicrobial should be added to a water flood system at a point of uniform mixing.
Initial Treatment: When the system is noticeably contaminated, add 330 to 16,670 ppm UCARCIDE 15 Antimicrobial to the system (0.3 to 16.0 gallons UCARCIDE 15 Antimicrobial per 1,000 gallons flood water). Repeat until control is achieved.
Subsequent Dose: When microbial control is evident, add 67 to 16,670 ppm UCARCIDE 15 Antimicrobial (0.06 to 16.0 gallons UCARCIDE 15 Antimicrobial per 1,000 gallons flood water) to the system weekly, or as needed to maintain control.

FRAC FLUIDS

Product not registered for this use in the State of California.
UCARCIDE 15 Antimicrobial reduces bacterial contamination and degradation of fracturing fluids and gels used in oil and gas well stimulations. Add UCARCIDE 15 Antimicrobial to the frac water storage tanks or directly into the well head injection pipeline as the water is being pumped down-hole.
Dose Range: UCARCIDE 15 Antimicrobial should be added at a rate of 333 to 16,667 (3.2 - 160 gallons per 10,000 gallons) depending on the degree of bacterial fouling in the source water.

DRILLING, COMPLETION, AND WORKOVER FLUIDS

UCARCIDE 15 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 to 3,330 ppm UCARCIDE 15 Antimicrobial (0.7 to 13.4 gallons UCARCIDE 15 Antimicrobial per 100 barrels of fluid) to a freshly prepared fluid depending on the severity of contamination.
Maintenance dosage: Maintain a concentration of 170 to 3,330 ppm UCARCIDE 15 Antimicrobial by adding 0.7 to 13.4 gallons of UCARCIDE 15 Antimicrobial per 100 barrels of additional fluid, or as needed, depending on the severity of contamination.

PACKER FLUIDS

UCARCIDE 15 Antimicrobial should be added to a packer fluid at a point of uniform mixing such as a circulating holding tank. Add 170 to 2,000 ppm UCARCIDE 15 Antimicrobial (0.7 to 8.1 gallons UCARCIDE 15 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.

OIL PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS

Not registered for this use in the State of California (Option)
Ucarcide 15 Antimicrobial should be added to an oil production or transmission line via direct injection. The application should be conducted to ensure maximum distribution of Ucarcide 15 Antimicrobial throughout the entire internal pipeline surface by adding a sufficient amount of biocide to detect/measure a residual concentration at the back end of the pipeline system. Criteria for success of the treatment will be a reduction in bacterial counts and/or reduced corrosion rates. To facilitate application, it may be desirable to dilute the Ucarcide 15 Antimicrobial with an appropriate solvent immediately before use. The concentration in the solvent should not fall below an active concentration range of 500 to 5,000 ppm based on the volume of water in the pipeline. Injections to the system should be weekly, or as needed to maintain control.

GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS

Not registered for this use in the State of California (Option)
Ucarcide 15 Antimicrobial should be added to a gas production or transmission pipeline via direct injection. The application should be conducted to ensure maximum distribution of Ucarcide 15 Antimicrobial throughout the entire internal pipeline surface by adding a sufficient amount of biocide to detect/measure a residual concentration at the back end of the pipeline system. Criteria for success of the treatment will be a reduction in bacterial counts and/or reduced corrosion rates. To facilitate application, it may be desirable to dilute the Ucarcide 15 Antimicrobial with an appropriate solvent immediately before use. The concentration in the solvent should not fall below an active concentration range of 500 to 5,000 ppm based on the volume of water in the pipeline. 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 15 Antimicrobial to produce a concentration of 1,670 to 16,670 ppm UCARCIDE 15 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 15 Antimicrobial to produce a concentration of 670 to 6,670 ppm UCARCIDE 15 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 330 to 13,330 ppm UCARCIDE 15 Antimicrobial (0.3 to 12.8 gallons UCARCIDE 15 Antimicrobial per 1,000 gallons water), depending on water quality and length of time the equipment will remain idle.

PIPELINE PIGGING AND SCRAPING OPERATIONS

Add UCARCIDE 15 Antimicrobial to a slug of water immediately following the scraper (ideally this water volume can be kept to a minimum and contained between the scraper and a trailing pig). Sufficient UCARCIDE 15 Antimicrobial should be added to produce a concentration of 0.3 to 3.3% (0.3 to 3.2 gallons UCARCIDE 15 Antimicrobial per 100 gallons water), depending on the length of the pipeline and the severity of biofouling.



NOTICE

Do Not Ship or Store with Food, Feeds, Drugs, or Clothing

**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. Harmful if absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. 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 butyl or nitrile 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 15 Antimicrobial is incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. UCARCIDE 15 Antimicrobial can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. This product freezes at about 20.3° F (-6.5° C). 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® Polymer is suitable for gaskets and packing.

Handle in a well-ventilated area. If vapors are irritating to the nose or eyes, special ventilation or respiratory protection (MSHA/NIOSH approved air purifying respirator equipped with an organic vapor cartridge) may be required.

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

Label option for nonrefillable containers of all sizes
Nonrefillable container. Do not reuse or refill this container. Triple or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or other procedures approved by state and local authorities.

Option to use for labels on refillable containers of all sizes
Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning of the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean container before final disposal, empty contents into application equipment and triple rinse. Pour or pump rinsate into application equipment or rinsate collection system. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

**BEFORE HANDLING OR USING THIS PRODUCT, SEE
YOUR EMPLOYER AND READ CURRENT MATERIAL
SAFETY DATA SHEET.**

LIMITED WARRANTY AND DISCLAIMER

Seller warrants that the product conforms to its chemical description as contained on this label and is reasonably fit for the purposes stated on this label when used in accordance with directions under normal conditions of use. THE WARRANTIES MADE IN THIS PARAGRAPH ARE SELLER'S SOLE WARRANTIES WITH RESPECT TO THE PRODUCT AND ARE MADE EXPRESSLY IN LIEU OF AND EXCLUDE ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES.