

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

MAR 3 1 2009

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Maureen Miksztal Senior Regulatory Specialist for, The Dow Chemical Company 1303 Building Midland, MI 48674

Subject: UCARCIDE 14 Antimicrobial

EPA Registration Number 464-700

Your Notification Dated March 23<sup>rd</sup>, 2009 EPA Received Date March 24<sup>th</sup>, 2009

The notification referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, FIFRA, as amended, to add the phrase, with Pine Scent, to the product name, is acceptable.

The notification has been part of the permanent record of this file.

If you have any questions concerning this letter, please contact Karen M. Leavy-Munk at (703)-308-6237.

Sincerely,

Marshall Swindell Product Manager 33

Regulatory Management Branch I Antimicrobial Division(7510C)

Please read instructions on reverse before completing form.	Form Approved: OMB No. 2070-0060				
United States Environmental Protection Ag Washington, DC 20460	Registration OPP Identifier Number				
Application for	Pesticide - Section I				
1. Company/Product Number 464-700	2. EPA Product Manager M. Swindell 3. Proposed Classification				
4. Company/Product (Name) UCARCIDE 14 Antimicrobial	PM# X None Restricted				
5. Name and Address of Applicant (Include ZIP Code)  The Dow Chemical Company 1803 Building Midland, MI 48674  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:  EPA Reg. No  Product Name				
Se	ection - II				
Amendment - Explain below.  Resubmission in response to Agency letter dated					
Se	ction - III				
Yes X No X	er Soluble Packaging  2. Type of Container    Metal   Plastic     Glass     Paper     Container     Container				
3. Location of Net Contents Information    X   Label					
Section - IV					
1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Anastasia Coots Title Regu	atory Specialist Telephone No(Include Area Code)				
Certification  Certification					

I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment  $\delta r_{\rm c}$  ,  $\epsilon$ 

5. Date

Mar 23, 2009

EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete.

both under applicable law.

Anastasia Coots

Sin W.

White - EPA File Copy (original)

Yellow - Applicant Copy

ွှဲ့(Stamped)



The Dow Chemical Company 1500 E. Lake Cook Road Buffalo Grove, IL 60089 United States of America

March 23, 2009

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

Subject: UCARCIDE™ 14 Antimicrobial, EPA Reg. No. 464-700 Notification of Minor Label Change to include "with Pine Scent"

Dear Sir/Madam:

The Dow Chemical Company is submitting notification to the registration for UCARCIDE™ 14 Antimicrobial, EPA Reg. No. 464-700. This notification includes submission of an updated label with changes highlighted.

Please contact me at 847-808-3545 or via email at <a href="mailto:ascoots@dow.com">ascoots@dow.com</a> with questions or comments regarding this submission. Thank you for your assistance.

Sincerely.

Ánastasía Coots

Product Stewardship/Regulatory Specialist

Cc: Mr. Marshall Swindell, PM-33

**Enclosure** 

#### 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 allergi reactions in some individuals. Causes asthmatic signs and sympto 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 Pollutan 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 14 Antimicrobial is incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. UCARCIDE 14 Antimicrobial can be stored aluminum, tin, and zinc. UCARCIDE 14 Antimicrobial can be stored and handled in baked phenotic-lined steet, potyethylens, stainless steet, or reinforced epoxy-plastic equipment. This product freezes at about 27° F (-3° 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 should 8° E/62 7° C). 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

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.

## 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.

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

#### 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 insate is a violation of Federal I.e.y. If these wastes callottox disposed of by use according to labry instructions, contact your State:
Pesticide or your Environmental Control Adency, or his Hazardouc Waste representative at the nearest EPA Reviona Office for guidence or CONTAINER DISPOSAL: Metab Containers, & r Plasts

Containers: Triple rinse (or equivalent). Then other io, recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or other procedures approved by state and local authorities. Plastic Containers: May be incinerated, or, if allowed by state and local authorities, by bucking. If hurned, stay out of smoke. Metal Containers: Muc, not be incinerated. Do not out of ACIC on or near g IEculé access metal containers.c c



Novice of a Dc Not Ship or Store with Food; Feeds, Drugs, or Cliching

65672-04/29/2008

## **UCARCIDE**™

## **Antimicrobial**

HIGHLY EFFECTIVE MICROBIOCIDE FOR USE IN CONTROLLING BACTERIA INCLUDING SLIME FORMING BACTERIA AND SULFATE-REDUCING BACTERIA AND FUNGI (YEAST AND MOLDS) AND ALGAE IN AIR WASHERS AND INDUSTRIAL SORUBING SYSTEMS, RECIRCULATING COOLING AND PROCESS WATER SYSTEMS INCLUDING THOSE THAT CONTAIN REVERSE OSMOSIS MEMBRANES AND IN SERVICE WATER AND AUXILIARY SYSTEMS AND HEAT TRANSFER SYSTEMS AND IN WASTEWATER SYSTEMS INCLUDING WASTEWATER SLUDGE AND HOLDING TANKS, AND IN PAPER MILLS AND PAPER MILL PROCESS WATER SYSTEMS AND WATER BASED COATINGS FOR PAPER MILLS AND PAPER MILLS PROPERTY OF THE PAPER MILLS AND PAPER MILL PROCESS WATER SYSTEMS AND WATER BASED COATINGS FOR PAPER MILLS AND PAPER MILLS PROPERTY OF THE PAPER MILLS AND PAPER MILLS AND PAPER MILL PROCESS WATER SYSTEMS AND WATER BASED COATINGS FOR PAPER AND PAPERBOARD AND IN OIL WELL DRILLING, OIL FIELD PROCESSING A PPLICATIONS, OIL FIELD WATER SYSTEMS, OIL AND GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS, AND GAS STORAGE FIELDS AND EQUIPMENT; SUCH AS, STEAM-INLECTION WATER HOLDING TANKS, FLOOD WATER, FRACTURING FLUIDS, INJECTION WATER, HOLDING POND WATER, DISPOSAL-WELL WATER, WATER NOLDING TANKS, PLEL STORAGE TANKS AND RELATED REFINERY AND OIL FIELD CLOSED, INDUSTRIAL RECIRCULATING WATER HANDLING SYSTEMS AND AN INDUSTRIAL SAMITIZED FOR JISSE M. CONTROL USE MICROSORY. FIELD CLOSED, INDUSTRIAL RECIRCULATING WATER HANDLING SYSTEMS AND AN INDUSTRIAL SCANITIZER FOR USE IN CONTROLLING MICROBIAL CONTAMINATION IN ANIMAL PRODUCTION FACILITIES AND FARM EQUIPMENT SUCH AS POULTRY & TURKEY HOUSES, SWINE HOUSING AND FARROWING AREAS, BARNA AND LARGE KAINMAL BUILDINGS, HATCHERS, SETTERS, AND CHICK PROCESSING FACILITIES, CAGES AND TRANSPORT VEHICLES, AND HATCHING EGGS AND FOR SANITIZING INDUSTRIAL OR NON-FOOD CONTACT SURFACES SUCH AS EQUIPMENT FOR MIXING, PACKING, OR PACKAGING PRODUCTS, PRODUCT TRANSPER LINES, STORAGE TANKS, FLOORS AND WALLS AND FOR USE BY MANUFACTURERS AND FORMULATORS IN FORMULATING PRODUCTS FOR ANIMAL HOUSING AND INDUSTRIAL SANITIZING APPLICATIONS. FORMULATORS
USING THIS PRODUCT ARE RESPONSIBLE FOR THE EPA REGISTRATION OF THEIR FORMULATING

Active Ingredient:	Glutaraldehyde	. 14.09
	Alkyl (C <sub>14</sub> 50%, C <sub>12</sub> 40%, C <sub>16</sub> 10%)	
	dimethyl benzyl ammonium chloride	. 2.59
nert Ingredients:		.83.53
Total:		100.00

## KEEP OUT OF REACH OF CHILDREN DANGER FIRST AID

- f swallowed
- Call a poison control center or a doctor immediately for treatment advice.
   DO NOT INDUCE VOMITING.
- Do not give anything to drink.

#### f in eves:

- n in eyes.
  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.
- f on skin or clothing:
- 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.

#### inhalad:

- 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 damag 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.

#### SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Reg. No. 464-700

EPA Est. No. 10352-WV-1 (C)

EPA Est. No. 10352-WV-2 (A) : 464-WV-1 (B)

(A) 5 gallon pails in pallets; all drums; bulk
(B) Samples and 5 gallon pails less than pallet

Produced for:

Dow

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.

Net Contents: 5, 55 gallons or Bulk

	CONTAINER SIZE	
TOTE	55 GALLONS	5 GALLONS
260.8 GALLONS		
2.290 POUNDS	470 POUNDS	44 POUNDS :
NET WEIGHT	NET WEIGHT	NET WEIGHT.

C C (N CASE OF AN EMERGENCY endangering life or property involving this product, call

#### **DIRECTIONS FOR USE**

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

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

This product may be used only in industrial air washers and air washer systems which have mist-ei

CORPORED: 14 Antimicrobial should be added at the application rates described below to a water treatmen system at a convenient point of uniform mixing such as the basin area. Addition may be made intermittenth (SULID COSE) or continuously. Early boaled systems can be shock treated with UCARCIDE 14 Antimicrobial Under these conditions, blowdown should be discontinued for up to 24 hours.

UCARCIDE 14 Antimicrobial can be used in industrial process water systems that contain utra fibration 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 touled, apply 4.2 to 8.5 fluid ounces of UCARCIDE 14 Antimicrobial per 100 gations of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 1.7 to 4.2 fluid ounces of UCARCIDE 14 Antimicrobial per 100 gallons of water in the system weekly, or as needed to makitain control. Badly fouled systems must be cleaned before treatment is begun. CONTINUOUS FEED METHOD

Initial Dose: When the system is noticeably fouled, apply 4.2 to 8.5 fluid ounces of UCARCIDE 14 Antimicrobial per 100 gallons of water in the system.

Subsequent Dose: Meintain this treatment level by starting a continuous feed of 0.8 to 4.2 fluid ounces of UCARCIDE 14 Antimicrobial per 100 gallons of water in the system per day.

Badly fouled systems must be cleaned before treatment is begun SPRVICE WATER AND AUXILIARY SYSTEMS

UCARCIDE 14 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

### HEAT TRANSFER SYSTEMS

(Evaporative Condensers, Dairy Sweetwater Systems, Hydrostatic Sterläzers and Retorts, and Pasteurizers and Warmers)

UCARCIDE 14 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 eree, sumpersor or other reservoir or collecting sea strong which the treated water will be circulated uniformly throughout the

#### INDUSTRIAL WASTEWATER SYSTEMS

(Wastewater Systems, Wastewater Sludge and Wastewater Holding Tanks) UCARCIDE 14 Antimicrobial should be added to a wastewater system or studge at a convenient point of uniform mixing such as the digester. Add 20 to 96 fluid ounces (1.25 pirts to 3 quarts) (1,600 to 7,600 ppm) UCARCIDE 14 Antimicrobial per 1000 gallons of westewater or skudes.

#### PAPER MILLS AND PAPER MILL PROCESS WATER SYSTEMS

UCARCIDE 14 Antimicrobial should be added to a paper making system at a point of uniform mixing such as the thin or thick stock chast, save-all tank, process tank or white-water tank.

Initial Treatment: When the system is noticeably contaminated, add is to 30 ib of UCARCIDE 14 Antimicroscopic or 07 ib is 20 ib of UCARCIDE 14 Antimicroscopic or 07 ib is 0 ib of UCARCIDE 14 passible as continuous or stug dose. Repeal until control is achieved. Heavily fouled systems should be boiled out prior to initial treatment.

Subsequent Dose: When microbial control is evident, add 0.9 to 6.0 to of UCARCIDE 14 Antimicrobial per ton or 0.48 to 3.0 kg of UCARCIDE 14 Antimicrobial per metric ton of pulp or paper (dry basis) as necessary to

#### WATER BASED COATINGS, PIGMENTS AND FILLER SLURRIES FOR PAPER AND PAPERBOARD

NOTE: For use in non-food contact coatings only.

Add 0.3 to 1.8 lbs of UCARCIDE 14 Antimicrobial per 1,000 lbs dry powder or 0.3 to 1.8 Kg UCARCIDE 14 Antimicrobial per metric ton of dry sturny to produce a concentration of 300 to 1800 ppm as product (based on stury solds) in the mixed stury.

#### WATER FLOODS

UCARCIDE 14 Antimiorphial should be added to a water food system at a point of uniform mixture Initial Treatment: When the system is noticeably contaminated, add 300 to 15,000 ppm UCARCIDE 14 Antimicrobial to the system (0.3 to 14.5 gations UCARCIDE 14 Antimicrobial per 1,000 gations flood water). Repeat urtil control is achieved.

Subsequent Dose: When microbial control is evident, add 60 to 15,000 ppm UCARCIDE 14 Antimicrobial (0.08 to 14.5 gailons UCARCIDE 14 Antimicrobial per 1,000 gallons flood water) to the system weekly, or as needed to mark

#### FRAC FLUIDS

UCARCIDE 14 Antimicrobial reduces bacterial contamination and degradation of fracturing fluids and gels used in oil and gas well stimulations. Add UCARCIDE 14 Antimicrobial to the frac water storage tanks or directly into the well need injection pipeline as the water is being pumped down-hole.

Dose Range: UCARCIDE 14 Antimicrobial should be added at a rate of 360 to 17,900 ppm (3.5 - 172.5 gallons per 10,000 gallons) depending on the degree of bacterial fouring in the source water.

#### DRILLING, COMPLETION, AND WORKOVER FLUIDS

UCARCIDE 14 Antimicrobial should be added to a drilling fluid system at a point of uniform mixing such as the

Initial Treatment: Add 150 to 3,000 ppm UCARCIDE 14 Antimicrobial (0.6 to 12.2 gallons UCARCIDE 14 Antimicrobial per 100 barrets of fluid) to a freshly prepared fluid depending on the severity of contamination. Matriananca Dosage, Meintah a concentration of 150 a 3,000 pm UCARCIDE 14 Antinicrobia by adding 0 5 to 12.2 gathors of UCARCIDE 14 Antinicrobia by 100 borrets of actisional fluid, or as needed, depending on the severity of contamination.

#### PACKER FILLIDS

UCARCIDE 14 Antimicrobial should be added to a section fluid at a point of uniform mixing such as a circulation holding tank. Add 150 to 1.90 ppm UCARCIDE 14 Antimicrobial (0.6 to 7.3 galenos UCARCIDE 14 Antimicrobial per 100 benefor did not sensibly prepared that depending on the severity of contamination. Seaf the treated packet fluid in the well between the casting and production table.

#### OIL AND GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS

UCARCIDE 14 Antimicrobial should be added to an oligas production or transmission line via direct injection. The application should be conducted to ensure maximum distribution of UCARCIDE 14 Antimicrobial throughout the antire internal pipeline surface by adding a sufficient amount of bloode to detect/measure a residual concentration at the back end of the pipeline system. Citleria for success of the teatment will be a reduction in bacterial contentration at the back end of the pipeline system. Citleria for success of the teatment will be a reduction in bacterial contentration and the solvent should not fall below an active concentration rape of 500 to 5000 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 seated with a sufficient quantity of UCARCIDE 14 Artimisability produce a concentration of 1500 to 15000 ppm UCARCIDE 4 Artimisability when Glades by the water passent in the formation, injection should take place belone 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 14 Antimicrobial to produce a concentration of 600 to 8,000 ppm UCARCIDE 14 Antimicrobial when diluted by the water present in the drip, rijections should be repeated yearly, or as needed to mentate north.

#### HYDROTESTING

TI DEMOTES IN THE MEMORIAN OF THE MEMORIAN OF

#### PIPELINE PIGGING AND SCRAPING OPERATIONS

Add UCARCIDE 14 Antinicrobial to a slug of water inventiblely following the scraper (fidelity) this vester volume can be laget to a minimum and contained between the coraper and a trailing pigi. Sufficient UCARCIDE 14 Antinicrobial should be added to produce a concentration of 0.9 to 3.0% (0.3 to 2.9 aliests UCARCIDE 14 Antinicrobial per 100 gallors water), depending on the length of the pipetine and the severity of bidduding.

SANITIZING NON-FOOD CONTACT SUFFACES, FARM, ANIMAL, AND POULTRY
HOUSING FACILITIES AND EQUIPMENT

Not for use in the state of California DO NOT USE THIS PRODUCT ON FOOD OR FEED UCARCIDE 14 animicrobia is authorised use on a wide variety of surfaces including stainless steel, aluminum, painted concrete, plastic, glazed tile.

Product Dilution-Product Dilution:
To sanitas vegetalive pathogens (Including Klebsiella preumoniae, Salmonello cholerasuis, Staphylococcus
nueux, and Pseudomonas eeruginosa) and viruses (including lifectious bursal disease, Avian Influenza (HRIV)
and HSIN1, SARS Associated Comervius, Piortine circovius and lungus (including Appengillas Imigustus):

1.Remove filth and soil deposits from surfaces prior to treatment. Pre-clean surfaces with a suitable detergent and rinse with water.

2. Thoroughly saturate all surfaces using a mop or by spraying with a solution prepared by mixing 0.45 to 1.8 faulc ounces of UCARCIDE 14 Antimicrobial per gallon of water (3.5 to 14.1 millisters per iter) to produce a solution containing 0.06% to 0.24% active ingredient. For application against Porcine circovirus mix 0.9 to 2.2 fixed ounces of UCARCIDE 14 Antimicrobial per gallon of water (6.9 to 17.3 militers per liter) to produce a solution containing 0.1 to 0.25% active glutaraldehyde ingredient.

3. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals,

as well as torks, shovels, and scraper used for removing litter and manure.

I. Allow to stand for at least 5 minutes, or until thoroughly dried

5. Ventilate thoroughly before reuse.

6. Fresh solution should be prepared daily or more often if the solution becomes diluted or solled Farm Equipment and Animal Housing Buildings

(poutry & turkey grow-out houses, taying houses, swine production and housing, barns and large animal buildings) Before applying UCARCIDE 14 Antimicrobial:

 Remove all poultry and other animals and feed from the premises. Remove all portable equipment and empty all feeders and water troughs. If not removed, all treated feeders and waterers must be thoroughly rinsed with ootable water prior to re-use.

Remove all litter and manure from floors and other surfaces. If litter is not removed, allow to stand after treatment with UCARCIDE 14 Antimicrobial for at least ten minutes before repopulation 3. Using suitable commercially available equipment, saturate all surfaces with diluted UCARCIDE 14 Antimicrobial

(see Product Dilution, above).

. Allow to stand for at least 5 minutes, or for longer depending on the organisms being treated (see Product

5. Vantilate enclosed soonus

6. Do not repopulate with poultry or other animals, or use equipment until treatment has been absorbed or dried

Hatchers, Setters, and Chick Processing Facilities General solitizing of environmental surfaces prior to introduction of eggs: Remove all animals from the erea. Clean out teathers, fluff, or other debris. Thoroughly saturate all surfaces with a solution prepared by mixing the appropriate amount (see Product Disting, above) of UCARCIDE 14 Antimicrohist with water. Allow to stage ast 5 minutes, or for longer depending on the organisms being treated. (See

Product Dilution, above.) Ventilate thoroughly before reuse Treatment of air and surfaces after introduction of eggs in high humidity hatchers and setters with water apray cooling: Prepare a solution by mixing the appropriate amount of UCARCIDE 14 Antimicrobial rith water. Allow to stand for at least 5 minutes, or for longer depending on the organisms being treated. (See Product Dilution, above.) Fog or atomize this solution into setters or hatchers, using appropriate application

Treatment of air and surfaces after introduction of eggs in low humidity hatchers with chilled coll cooling

Fog or atomize this product using appropriate application equipment.

Trays, Racks, Carts, Chick Boxes, Cages, and other Hard Surfaces: move at 18th and heavy debris from surfaces by screamy or weating. Preserve a debution by mixel, organized and the product Diston, above) of USAGIDE 14 schedochesia with exists, Apply by preserve, mersion, and allow to drain and air dry. Allow to stand for at less: 5 minutes, or for longer depending on the anisms being treated. (See Product Diston, above).

#### Trucks and other Vehicles

Remove all filth and heavy debris from surfaces by scraping or washing. Spray surfaces with a solution prepared by mixing the appropriate amount (see Product Diution, above) of UCARCIDE 14 Antimicrobial with water. Allow to stand for at least 3 infuries, or for longer depending on the organizaring being treated.

#### Egg Sanitization

(for treating hatching eggs only) Prepare a solution by mixing one fluid ounce of UCARCIDE 14 Antimicrobial with one gation of water. Place in a best at 105° to 115°F (off to 45°C). Place freshly laid eggs in plastic trays and dip briefly (10 to 15 seconds), then above to drain and air-dry.

## SANITIZING NON-FOOD CONTACT SURFACES, INDUSTRIAL EQUIPMENT AND BUILDINGS

\*Not for use in the state of California

Before applying UCARCIDE 14 Antimicrobial, remove heavy fith and soil deposits from surfaces using a suitable cleaner. Distre UCARCIDE 14 Antimicrobial to 0.00% to 0.24% active ingredient by making 0.45 to 1.8 titul cances of UCARCIDE 14 Antimicrobial and 0.00% to 0.24% active ingredient by making 0.45 to 1.8 titulian cancel of UCARCIDE 14 Antimicrobial. Antimicrobial active cancel of UCARCIDE 14 Antimicrobial. Allow to sand for at least 5 minutes, or 10 to longer time depending on the organisms being restard. (See Product District, above, 1) Versities minutes, or 10 to longer time depending on the organisms being restard. (See Product District, above, 1) Versities of the UCARCIDE 14 Antimicrobial and 15 to 1.5 to