

464-702

10/14/2006

1/6

OCT 14 2006

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



Office of Pesticide Programs

Maureen Miksztal
The Dow Chemical Company
1803 Building
Midland, Mi 48674

Subject: UCARCIDE 14
EPA Registration No. 464-700

UCARCIDE 42
EPA Registration No. 464-702 ✓

Amendments Dated April 7, 2006 and June 12, 2006

Dear Ms. Miksztal:

The following amendment, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable subject to the comments/conditions listed below:

- To Add Several Additional Organisms

Conditions

1. The efficacy Data submitted to support the proposed label claims that the above product, is an effective sanitizer for use on non-food contact surfaces against "Foot and Mouth Disease virus for a contact time of 10 minutes at a dilution of 0.1 to 0.25% active is not acceptable. Label claims referencing Foot and Mouth Disease virus must be removed form the proposed label until the identified deficiencies are addressed. (See attached copy of the efficacy review)

2. The following changes must be made to the proposed label:

- Under the "Product dilution" section, change "Corona virus" to read "Coronavirus" and change "Circo Virus to read "circovirus".
- The proposed label must list the types of surfaces (e.g., glass, painted wood, stainless steel) on which the product is recommended for use. DIS/TSS-15 requires that this information be included on the product label; This information is not optional.
- Add a new "step 1" under the "Sanitizing Non-Food Contact Surfaces, Farm, Animal, and Poultry Housing Facilities and Equipment" section that reads: "Remove filth and soil deposits from surfaces prior to treatment." Note: If claims for Foot and Mouth Disease virus claims are ever approved, the label must include the following statement in the new "step 1:" "Pre-clean surfaces with a suitable detergent and rinse with water." This revision is necessary because surfaces must be preclean prior to using the product. Efficacy testing against Food and Mouth Disease virus was not conducted in the presence of moderate soil loads.
- Under the "Farm Equipment and Animal Housing Buildings" section, revise "step 4" to read:" "Allow to stand for at least 5 minutes, or for a longer time depending on the organisms being treated. (See Product Dilution, above.)"
- Under the "Hatchers, Setters, and Chick Processing Facilities" section, revise the second to last sentence in "step 1" to read: "Allow to stand for at least 5 minutes, or for a longer time depending on the organisms being treated. (See Product Dilution, above.)"
- Note: If Foot and Mouth Disease virus claims are ever approved, the label should be revised as follows (in the "Trays, Racks, Carts..." section and the "Trucks and Other vehicles" section to include): "Remove all filth and heavy debris from surfaces by scraping or washing. Pre-clean surfaces with a suitable detergent and rinse with water." This revision is necessary because surfaces must be pre-cleaned prior to using the product.
- Under the "Trays, Racks, Carts..." section and the "Trucks and Other Vehicles" section, revise the directions to include a contact time.
- Under the "Sanitizing Non-Food Contact Surfaces, Industrial Equipment and Buildings" section, revise the second to last sentence to read: "Allow to stand for at least 5 minutes, or for a longer time depending on the organisms being treated. (See Product Dilution, above.)"

4. Information identifying the doses (i.e., % active, ppm active, ounces per gallon) for the industrial applications is inconsistent. For example, the dilution rate for the "Water Floods" application states to add 300-15000 ppm of product (0.3-14.5 gallons per 1000 gallons of water). A 300-15000 ppm solution is equivalent to a 0.03-1.5 % active solution; whereas, a 10.3-14.5 gallons/1000 gallons solution is equivalent to a 0.005-0.24% active solution. The doses for all industrial applications need to be reviewed.

5. On the proposed label, the following statement "A Highly Effective Microbiocide for Use in Controlling Bacteria including slime forming bacteria (*Pseudomonas* sp., *Enterobacter* sp., *Klebsiella* sp., *Acinetobacter* sp., *Serratia* sp., and *Bacillus* sp.,)" must be revised or removed completely. The Agency views "slime-forming" organisms as non-public health. The bacteria listed are public health organisms, as supported by their placement in the section "Sanitizing Non-Food Contact Surfaces, Farm, Animal, and Poultry Housing Facilities and Equipment", on the proposed label.

6. Please remove the following bacteria from the proposed label, as efficacy data was not submitted or accepted for these organisms: *Enterobacter* sp., *Klebsiella* sp., *Acinetobacter* sp., *Serratia* sp., and *Bacillus* sp.

Acceptable Data

The proposed label claims are acceptable regarding the above product as a sanitizer for use on non-food contact surfaces against Avian Influenza (H5N1) virus and SARS-associated Coronavirus for a contact time of 5 minutes at a dilution of 0.06 to 0.24% active.

The proposed label claims are acceptable regarding the above product as a sanitizer for use on non-food contact surfaces against Porcine circovirus for a contact time of 5 minutes at a dilution of 0.1 to 0.25% active.

General Comments

A stamped copy of the labeling accepted with conditions is enclosed. Submit two (2) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

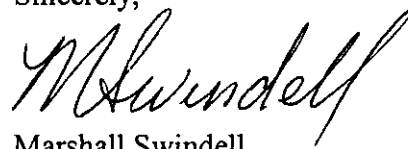
Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) and section 4(a) when the Agency requires all registrants of similar products to submit such data.

Page 4

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

Should you have any questions or comments concerning this letter, please contact Martha L. Terry at (703) 308-6217.

Sincerely,



Marshall Swindell
Product Manager 33
Regulatory Management Branch I
Antimicrobials Division (7510C)

Enclosure

5/6

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER**

KEEP OUT OF REACH OF CHILDREN

Corrosive. Causes irreversible eye damage. Causes skin burns. May be fatal if swallowed or absorbed through skin. Harmful if inhaled. 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 42 Antimicrobial is incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. UCARCIDE 42 Antimicrobial can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. This product freezes at about 7° F (-14° 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.

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 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. **Plastic Containers:** May be incinerated, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. **Metal Containers:** Must not be incinerated. Do not cut or weld on or near metal containers.



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

65668-4/6/2006-1592

UCARCIDE™ 42 Antimicrobial

A HIGHLY EFFECTIVE MICROBICIDE FOR USE IN CONTROLLING BACTERIA INCLUDING SLIME FORMING BACTERIA (*PSEUDOMONAS SP.*, *ENTEROBACTER SP.*, *KLEBSIELLA SP.*, *ACINETOBACTER SP.*, *SERRATIA SP.*, AND *BACILLUS SP.*) AND SULFATE-REDUCING BACTERIA (*Desulfovibrio desulfuricans*) AND FUNGI (YEAST AND MOLDS) AND ALGAE IN AIR WASHERS AND INDUSTRIAL SCRUBBING 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 AND PAPERBOARD AND IN OIL WELL DRILLING, OIL FIELD PROCESSING APPLICATIONS, OIL FIELD WATER SYSTEMS, GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS, AND GAS STORAGE FIELDS AND EQUIPMENT; SUCH AS, STEAM-INJECTION WATER HOLDING TANKS, FLOOD WATER, INJECTION WATER, HOLDING POND WATER, DISPOSAL-WELL WATER, WATER HOLDING TANKS, FUEL STORAGE TANKS AND RELATED REFINERY AND OIL FIELD CLOSED, INDUSTRIAL RECIRCULATING WATER HANDLING SYSTEMS AND AN INDUSTRIAL SANITIZER FOR USE IN CONTROLLING MICROBIAL CONTAMINATION IN ANIMAL PRODUCTION FACILITIES AND FARM EQUIPMENT SUCH AS POULTRY & TURKEY HOUSES, SWINE HOUSING AND FARROWING AREAS, BARN AND LARGE ANIMAL 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 TRANSFER 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 PRODUCTS.

Active Ingredient: Glutaraldehyde	42.5%
Alkyl (C ₁₄ 50%, C ₁₂ 40%, C ₁₆ 10%) dimethyl benzyl ammonium chloride	7.5%
Inert Ingredients:	50.0%
Total:	100.0%

**KEEP OUT OF REACH OF CHILDREN
DANGER
FIRST AID**

If swallowed:

- 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:

- 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:

- 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:

- 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.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS



EPA Reg. No. 464-702
EPA Est. No. 10352-WV-2 (A); 464-WV-1 (B)
EPA Est No. 10352-WV-1 (C)
(A) 5 gallon pails in pallets; all drums, bulk
(B) Single 5 gallon pails only
(C) Bulk Shipments

THE DOW CHEMICAL COMPANY

Midland, Michigan 48674 U.S.A.
(989)636-4400

* Trademark of THE DOW CHEMICAL COMPANY

Net Contents: 5, 55 gallons or Bulk

L14350 (I 0306)
Made In USA
PE0306

CONTAINER SIZE TOTE	CONTAINER SIZE	CONTAINER SIZE	SHIPPING NAME	CORROSIVE LIQUID, TOXIC, N.O.S. (CONTAINS GLUTARALDEHYDE)	
260.8 GALLONS	55 GALLONS	5 GALLONS			
2,335 POUNDS NET WEIGHT	505 POUNDS NET WEIGHT	43 POUNDS NET WEIGHT	HAZARD CLASS 8.61	ID NUMBER UN2922	PGII

IN CASE OF AN EMERGENCY endangering life or property involving this product, call collect, (989)636-4400.

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 SYSTEMS

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

UCARCIDE 42 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 42 Antimicrobial. Under these conditions, blowdown should be discontinued for up to 24 hours.

UCARCIDE 42 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 12.7 to 25.5 fluid ounces of UCARCIDE 42 Antimicrobial per 1,000 gallons of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 5.1 to 12.7 fluid ounces of UCARCIDE 42 Antimicrobial per 1,000 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 12.7 to 25.5 fluid ounces of UCARCIDE 42 Antimicrobial per 1,000 gallons of water in the system.

Subsequent Dose: Maintain this treatment level by starting a continuous feed of 2.6 to 12.7 fluid ounces of UCARCIDE 42 Antimicrobial per 1,000 gallons of water in the system per day.

Badly fouled systems must be cleaned before treatment is begun.

SERVICE WATER AND AUXILIARY SYSTEMS

UCARCIDE 42 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 and Once-Through Cooling Water Systems)

UCARCIDE 42 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 42 Antimicrobial should be added to a wastewater system or sludge at a convenient point of uniform mixing such as the digester. Add 0.45 to 2.3 gallons (500 to 2,500 ppm UCARCIDE 42 Antimicrobial) per 1,000 gallons of wastewater or sludge.

PAPER MILLS AND PAPER MILL PROCESS WATER SYSTEMS

UCARCIDE 42 Antimicrobial should be added to a paper making system at a point of uniform mixing such as the thin or thick stock chest, save-all tank, process tank or white-water tank.

Initial Dose: When the system is noticeably contaminated, add 0.5 to 3.0 lbs. of UCARCIDE 42 Antimicrobial per ton or 0.15 to 1.5 Kg of UCARCIDE 42 Antimicrobial per metric ton of pulp or paper (dry basis) as a continuous or 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 0.3 to 2.0 lb of UCARCIDE 42 Antimicrobial per ton or 0.15 to 1.0 kg of UCARCIDE 42 Antimicrobial per metric ton of pulp or paper (dry basis) as necessary to maintain control.

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

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

Use from 0.1 to 0.6 lbs. of UCARCIDE 42 Antimicrobial per 1,000 lbs. of dry powder to produce a concentration of 100 to 600 ppm as product (based on slurry solids) in the mixed slurry.

WATER FLOODS

UCARCIDE 42 Antimicrobial should be added to a water flood system at a point of uniform mixing.

Initial Treatment: When the system is noticeably contaminated, add 100 to 5,000 ppm UCARCIDE 42 Antimicrobial to the system (0.09 to 4.5 gallons UCARCIDE 42 Antimicrobial per 1,000 gallons flood water). Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 20 to 5,000 ppm UCARCIDE 42 Antimicrobial (0.02 to 4.5 gallons UCARCIDE 42 Antimicrobial per 1,000 gallons flood water) to the system weekly, or as needed to maintain control.

DRILLING, COMPLETION, AND WORKOVER FLUIDS

UCARCIDE 42 Antimicrobial should be added to a drilling fluid system at a point of uniform mixing such as the circulating mud tank.

Initial Treatment: Add 50 to 1,000 ppm UCARCIDE 42 Antimicrobial (0.2 to 3.8 gallons UCARCIDE 42 Antimicrobial per 100 barrels of fluid) to a freshly prepared fluid depending on the severity of contamination.

Maintenance Dose: Maintain a concentration of 50 to 1,000 ppm UCARCIDE 42 Antimicrobial by adding 0.2 to 3.8 gallons of UCARCIDE 42 Antimicrobial per 100 barrels of additional fluid, or as needed, depending on the severity of contamination.

PACKER FLUIDS

UCARCIDE 42 Antimicrobial should be added to a packer fluid at a point of uniform mixing such as a circulating holding tank. Add 50 to 600 ppm UCARCIDE 42 Antimicrobial (0.2 to 2.3 gallons UCARCIDE 42 Antimicrobial per 100 barrels of fluid) to a freshly prepared fluid depending on the severity of contamination. Seal the treated packer fluid in the well between the casing and production tube.

GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS

UCARCIDE 42 Antimicrobial should be added to a gas production or transmission pipeline via direct injection. The application should be conducted to ensure maximum distribution of the UCARCIDE 42 Antimicrobial through the entire internal surface of the pipeline. To facilitate application, it may be desirable to dilute the UCARCIDE 42 Antimicrobial with an appropriate solvent immediately before use. Injections to the system should be weekly, or as needed to maintain control.

GAS STORAGE TANKS AND SYSTEMS

Individual injection wells should be treated with a sufficient quantity of UCARCIDE 42 Antimicrobial to produce a concentration of 500 to 5000 ppm UCARCIDE 42 Antimicrobial when diluted by the water present in the formation. Injections 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 42 Antimicrobial to produce a concentration of 200 to 2000 ppm UCARCIDE 42 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 100 to 4,000 ppm UCARCIDE 42 Antimicrobial (0.09 to 3.6 gallons UCARCIDE 42 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 42 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 42 Antimicrobial should be added to produce a concentration of 0.1 to 1% (0.09 to 0.9 gallon UCARCIDE 42 Antimicrobial per 100 gallons water), depending on the length of the pipeline and the severity of biofouling.

SANITIZING NON-FOOD CONTACT SURFACES, 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

Product Dilution.

To sanitize vegetative pathogens (including *Klebsiella pneumoniae*, *Salmonella choleraesuis*, *Staphylococcus aureus*, and *Pseudomonas aeruginosa*) and viruses (including *Infectious bursal disease-Avian influenza (H6N2 and H5N1)*, *SARS Associated Corona Virus*, *Porcine Circovirus* and *Foot and Mouth Disease Virus*) and fungi (including *Aspergillus fumigatus*):

1. Thoroughly saturate all surfaces using a mop or by spraying with a solution prepared by mixing 0.14 to 0.56 fluid ounces of UCARCIDE 42 Antimicrobial per gallon of water (1.1 to 4.4 milliliters per liter) to produce a solution containing 0.06% to 0.24% active ingredient. For application against Foot and Mouth Disease Virus and Porcine Circovirus, mix 0.28 to 0.69 fluid ounces of UCARCIDE 42 Antimicrobial per gallon of water (2.2 to 5.4 milliliters per liter) to produce a solution containing 0.1 to 0.25% active glutaraldehyde ingredient.
2. Allow to stand for at least five minutes or until thoroughly dried. For application against Foot and Mouth Disease Virus (FMDV), allow to stand for at least 10 minutes.
3. Ventilate thoroughly before reuse.
4. Fresh solution should be prepared daily or more often if the solution becomes diluted or soiled.

Farm Equipment and Animal Housing Buildings

(poultry & turkey grow-out houses, laying houses, swine production and housing, barns and large animal buildings)

Before applying UCARCIDE 42 Antimicrobial:

1. 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 potable water prior to re-use.
2. Remove all litter and manure from floors and other surfaces. If litter is not removed, allow to stand after treatment with UCARCIDE 42 Antimicrobial for at least ten minutes before repopulation.
3. Using suitable commercially available equipment, saturate all surfaces with diluted UCARCIDE 42 Antimicrobial (see Product Dilution, above).
4. Allow to stand for at least five minutes or until dried.
5. Ventilate enclosed spaces.
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

1. General sanitizing of environmental surfaces prior to introduction of eggs: Remove all animals from the area. Clean out feathers, fluff, or other debris. Thoroughly saturate all surfaces with a solution prepared by mixing the appropriate amount (see Product Dilution, above) of UCARCIDE 42 Antimicrobial with water. Allow to stand for at least five minutes or until completely dried. Ventilate thoroughly before reuse.
2. Treatment of air and surfaces after introduction of eggs in high humidity hatchers and setters with water spray cooling: Prepare a solution by mixing the appropriate amount of UCARCIDE 42 Antimicrobial with water (see Product Dilution, above). Fog or atomize this solution into setters or hatchers, using appropriate application equipment.
3. Treatment of air and surfaces after introduction of eggs in low humidity hatchers with chilled coil cooling: Fog or atomize this product using appropriate application equipment.
4. Treatment of equipment for use in hatchery humidity control: Add 0.5 to 2.3 fluid ounces of UCARCIDE 42 Antimicrobial (20 to 100 ppm active) per 100 gallons of water in the recirculating system. Repeat until desired effect is obtained.

Trays, Racks, Carts, Chick Boxes, Cages, and other Hard Surfaces:

Remove all filth and heavy debris from surfaces by scraping or washing. Prepare a solution by mixing the appropriate amount (see Product Dilution, above) of UCARCIDE 42 Antimicrobial with water. Apply by spraying or immersion, and allow to drain and air dry.

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 Dilution, above) of UCARCIDE 42 Antimicrobial with water. Allow to air-dry.

Egg Sanitization

(for treating hatching eggs only)

Prepare a solution by mixing 0.3 fluid ounces of UCARCIDE 42 Antimicrobial with one gallon of water. Place in a bath at 105° to 115°F (40° to 45°C). Place freshly laid eggs in plastic trays and dip briefly (10 to 15 seconds), then allow 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 42 Antimicrobial remove heavy filth and soil deposits from surfaces using a suitable cleaner. Dilute UCARCIDE 42 Antimicrobial to 0.06% to 0.24% active ingredient by mixing 0.14 to 0.56 fluid ounces of UCARCIDE 42 Antimicrobial per gallon of water (1.1 to 4.4 milliliters per liter). Using suitable commercially available equipment, saturate all surfaces with diluted UCARCIDE 42 Antimicrobial. Allow to set for at least five minutes or until dried. Ventilate enclosed spaces.

ACCEPTED
with COMMENTS
EPA Letter Dated:

OCT 14 2005

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.

464-702

UCARCIDE 42 ANTIMICROBIAL

3) A 16

3)