

**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 the 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**

UCARSANTM 442 Sanitizer solutions are incompatible with 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 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® is suitable for gaskets and packing.

**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, READ AND UNDERSTAND CURRENT MATERIAL SAFETY DATA SHEET FOR THIS PRODUCT.**



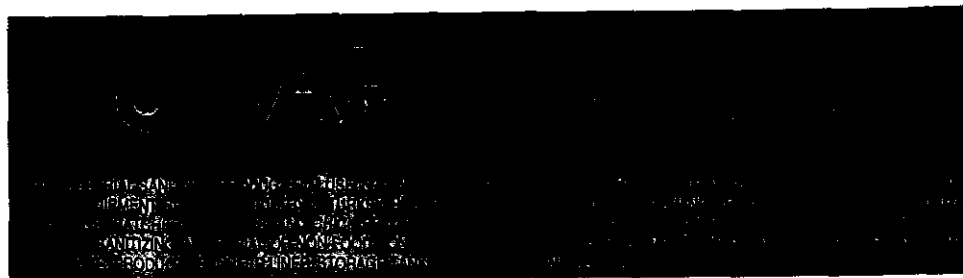
**NOTICE**

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

**ACCEPTED**

OCT 12 2007

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 464-715



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

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER**

**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:**

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- After at least 15 minutes of rinsing or after it is judged that nearly all of the contamination has been removed, contact an Ophthalmologist before attempting to remove the contact lens(es).
- 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.



THE DOW CHEMICAL COMPANY  
 Midland, Michigan 48674 U.S.A.  
 1-300-258-CHIEF

\*Trademark of THE DOW CHEMICAL COMPANY

EPA Reg. No. 464-  
 EPA Est. No. 10352-WV-2  
 L (B06/01)  
 Made in USA  
 PE0601

Net Contents: 5 or 55 gallons

CONTAINER SIZE	CONTAINER SIZE	SHIPPING	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	
55 GALLONS	5 GALLONS	NAME	(CONTAINS GLUTARALDEHYDE)	
505 POUNDS	43 POUNDS	HAZARD CLASS	ID NUMBER	PG II
NET WEIGHT	NET WEIGHT	8	UN 3265	

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

464-715

10-12-2001

1/2

## DIRECTIONS FOR USE

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

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

#### 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* and *Avian influenza*) and fungus (including *Aspergillus fumigatus*)

1. Thoroughly saturate all surfaces using a mop or by spraying with a solution prepared by mixing 0.2 to 0.6 fluid ounces of UCARSANTM 442 Sanitizer per gallon of water (1.3 to 4.9 milliliters per liter) to produce a solution containing 0.06% to 0.24% active ingredient.
2. Allow to stand for at least five minutes, or until thoroughly dried.
3. Ventilate thoroughly before re-use.
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 UCARSANTM 442 Sanitizer.

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 UCARSANTM 442 Sanitizer for at least ten minutes before repopulation.
3. Using suitable commercially available equipment, saturate all surfaces with diluted UCARSANTM 442 Sanitizer (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 UCARSANTM 442 Sanitizer 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 UCARSANTM 442 Sanitizer with water (see Product Dilution, above). Fog or atomize this solution into setters or hatchers, using appropriate application equipment.

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.

3. Treatment of equipment for use in hatchery humidity control: Add 0.6 to 2.8 fluid ounces of UCARSANTM 442 Sanitizer (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 UCARSANTM 442 Sanitizer 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 surface with a solution prepared by mixing the appropriate amount (see Product Dilution, above) of UCARSANTM 442 Sanitizer with water. Allow to air-dry.

#### Egg Sanitization (for treating hatching eggs only)

Prepare a solution by mixing 0.3 ounces of UCARSANTM 442 Sanitizer 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

Before applying UCARSANTM 442 Sanitizer, remove heavy filth and soil deposits from surfaces using a suitable cleaner. Dilute UCARSANTM 442 Sanitizer to 0.06% to 0.24% active ingredient by mixing 0.2 to 0.6 fluid ounces of UCARSANTM 442 Sanitizer per gallon of water (1.3 to 4.9 milliliters per liter). Using suitable commercially available equipment, saturate all surfaces with diluted UCARSANTM 442 Sanitizer. Allow to set for at least five minutes or until dried. Ventilate enclosed spaces.

## 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 residue 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.

2/2