

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 rubber 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

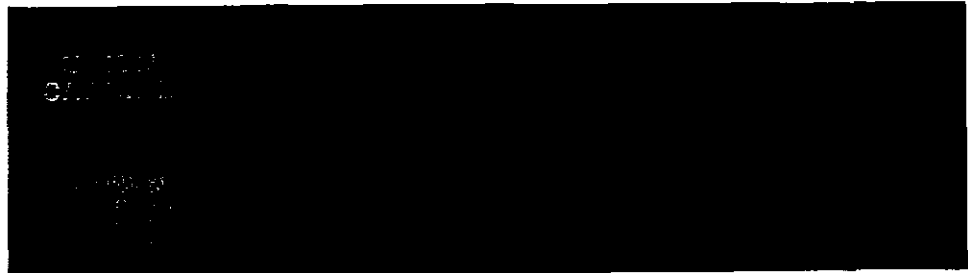
UCARSAN® 442 Sanitizer solutions are incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. These solutions can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. This 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

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and (c) that the directions, warnings and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness and of toxicity to laboratory animals. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE. This warranty does not extend to, and the Buyer shall be solely responsible for, any and all loss or damage which results from the use of this product in any manner which is inconsistent with the label directions, warnings or cautions.

BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT SUCH LIABILITY IS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

BEFORE HANDLING OR USING, READ AND UNDERSTAND  
CURRENT UNION CARBIDE MATERIAL SAFETY DATA  
SHEET FOR THIS PRODUCT.



ACCEPTED	
DEC 12 2000	
Inert Ingredients:	
Active Ingredients:	
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%
	50.0%
	100.0%

Under the Federal Insecticide, Fungicide, and  
Rodenticide Act as amended  
pesticide, registered under  
EPA Reg. No. 10352-53

KEEP OUT OF REACH OF CHILDREN  
**DANGER**

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Get immediate medical attention.  
IF ON SKIN: Immediately wash with plenty of soap and water. Get medical attention.  
IF INHALED: Remove to fresh air. If breathing is difficult, administer oxygen. If symptoms persist, call a physician.  
IF SWALLOWED: DO NOT INDUCE VOMITING. Do not give anything to drink. Seek medical advice with urgency.  
NOTE TO PHYSICIAN: Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.  
UNION CARBIDE CORPORATION

39 Old Ridgebury Road • Danbury, CT 06817-0001  
EPA Reg. No. 10352-53  
UCARSAN is a registered trademark  
of Union Carbide  
Net Contents 5 or 55 gallons

EPA Est. No. 10352-WV-2  
UCC-L (A09/00)  
Made In USA  
PE0900

PRODUCT CODE	CONTAINER SIZE	CONTAINER SIZE	SHIPPING NAME	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (CONTAINS GLUTARALDEHYDE)	
	55 GALLONS	5 GALLONS		ID NUMBER	PG II
	505 POUNDS	43 POUNDS	HAZARD CLASS	UN 3285	
	NET WEIGHT	NET WEIGHT	8		

EMERGENCY CONTACT (24 HOURS PER DAY): IN USA 1-800-UCC-HELP (1-800-822-4357)  
OUTSIDE USA 01-304-744-3487

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 PRODUCE 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 fungi (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 UCARSAN® 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 UCARSAN® 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 UCARSAN® 442 Sanitizer for at least ten minutes before repopulation.
3. Using suitable commercially available equipment, saturate all surfaces with diluted UCARSAN® 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 UCARSAN® 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 UCARSAN® 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 UCARSAN® 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 UCARSAN® 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 UCARSAN® 442 Sanitizer with water. Allow to air-dry.

Egg Sanitization  
(for treating hatching eggs only)

Prepare a solution by mixing 0.3 ounces of UCARSAN® 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 UCARSAN® 442 Sanitizer remove heavy filth and soil deposits from surfaces using a suitable cleaner. Dilute UCARSAN® 442 Sanitizer to 0.06% to 0.24% active ingredient by mixing 0.2 to 0.6 fluid ounces of UCARSAN® 442 Sanitizer per gallon of water (1.3 to 4.9 milliliters per liter). Using suitable commercially available equipment, saturate all surfaces with diluted UCARSAN® 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 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.