

KEEP OUT OF REACH OF CHILDREN DANGER

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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 • Wash thoroughly with soap and water after handling • Remove contaminated clothing and wash before reuse.

Personal Protective Equipment

Applicators and other handlers must wear: goggles or face shield, long-sleeve shirt, long pants, shoes, socks, chemical-resistant gloves (such as butyl rubber) and chemical resistant apron.

User Safety Requirements

Follow manufacturers' instructions for cleaning & maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry

User Safety Recommendations

Users must wash hands before eating, drinking, chewing gum, or using the toilet. Users must remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users must remove PPE immediately after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, oysters and shrimp. 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 Sanitizer 420 is incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. UCARSAN Sanitizer 420 can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. This product freezes at about 16°F (-9°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.

The product in its undiluted form must not be used in a spray or aerosol application.

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

Option to use for labels on nonrefillable rigid 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 by other procedures approved by state and local authorities.

Option to use for labels on refillable rigid tote containers.

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.

UCARSAN™ Sanitizer 420

Active Ingredient: Glutaraldehyde 20%

Inert Ingredients: 80%

Total: 100%

FIRST AID

IF SWALLOWED:

- If the person is fully alert and cooperative, have the person rinse mouth with plenty of water. Have the patient drink 4 to 10 ounces (120-300 mL) of water or milk.
- Do not induce vomiting. Do not attempt mouth rinse if the person has respiratory distress, altered mental status, or nausea and vomiting.
- Call a physician and/or transport to emergency facility immediately. See Note to Physician.

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.

HOT LINE NUMBER

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

NOTE TO PHYSICIAN: Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

E.P.A. Registration No. 464-689

E.P.A. Est. 10352-WV -002

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



The Dow Chemical Company

Midland, Michigan 48674

(989)636-4400

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NET CONTENTS: 55 gallons

NET WT: 470 lb / 213.2 kg

LOT:

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

UCARSAN Sanitizer 420 is suitable for use on a wide variety of surfaces including stainless steel, aluminum, painted concrete, plastic, glazed tile.

SANITIZATION

For sanitization against the following pathogens:

Clostridium perfringens, *Enterobacter aerogenes*, *Escherichia coli*, *Haemophilus parasuis*, *Klebsiella pneumoniae*, *Mycoplasma gallisepticum*, *Mycoplasma synoviae*, *Pasteurella multocida*, *Salmonella enteritidis*, *Salmonella pullorum*, *Salmonella typhi*, *Staphylococcus aureus*, and *Streptococcus suis*, and viruses: *Avian infectious bronchitis virus*, *Avian influenza (H6N2 and H5N1)*, *Avian laryngotracheitis*, *Avian reovirus*, *Avian rotavirus*, *Canine parvovirus*, *Infectious bursal disease*, *Marek's disease virus*, *Pseudorabies virus*, *Transmissible gastroenteritis virus*, *Hog Cholera virus*, *Porcine reproductive respiratory syndrome*, *SARS Associated Coronavirus*, *Porcine circovirus* and *New Castle Disease Virus*.

SOLUTION PREPARATION AND APPLICATION GUIDANCE

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 0.61 to 1.5 fluid ounces of UCARSAN Sanitizer 420 per gallon of water to produce a solution containing 0.1 to 0.25% active ingredient.
3. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.
4. Allow to stand for at least five minutes, or until thoroughly dried. For application against *Avian Reovirus*, *Avian Rotavirus*, *Canine ParvoVirus*, *Pseudorabies*, *Transmissible gastroenteritis virus* and *Avian infectious bronchitis virus* allow to stand for at least 10 minutes. For application against *Porcine circovirus (PCV)*, allow to stand for at least 30 minutes.
5. Ventilate thoroughly before reuse.
6. 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 Sanitizer 420:

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.
3. Using suitable commercially available equipment, saturate all surfaces with diluted UCARSAN Sanitizer 420. (See solution preparation and application guidance above)
4. Allow to stand for at least 5 minutes, or for longer depending on the organisms being treated. (See solution preparation and application guidance above)
5. Ventilate enclosed spaces.
6. Do not repopulate with poultry or other animals, or use equipment until treatment has been absorbed or dried.



LICENSED

PERIOD **2015-2017** LIC. NO.



LICENSED

PERIOD **2012-2014** LIC. NO.

9197.242
Disc.

Notice: Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

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 solution preparation and application guidance above) of UCARSAN Sanitizer 420 with water. Allow to stand for at least 5 minutes, or for longer depending on the organisms being treated. (See solution preparation and application guidance above)
2. Ventilate thoroughly before reuse.
3. For treatment of air and surfaces in high humidity hatchers and setters with water spray cooling Prepare a solution by mixing the appropriate amount of UCARSAN Sanitizer 420 with water. (See solution preparation and application guidance above) Fog or atomize this solution into setters or hatchers, using appropriate application equipment. Fogging of poultry houses should only be done in such a way that the operator is outside the poultry house when applying the fog.
4. **Wait at least 3 hours before re-entry after application.**
5. For treatment of air and surfaces in low humidity hatchers with chilled coil cooling: Prepare a solution by mixing the appropriate amount of UCARSAN Sanitizer 420 with water. (See solution preparation and application guidance above) Fog or atomize this product using appropriate application equipment. Fogging of poultry houses should only be done in such a way that the operator is outside the poultry house when applying the fog.
6. **Wait at least 3 hours before re-entry after application.**

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

1. Remove all filth and heavy debris from surfaces by scraping or washing.
2. Prepare a solution by mixing the appropriate amount (See solution preparation and application guidance above) of UCARSAN Sanitizer 420 with water.
3. Apply by spraying or immersion, and allow to drain and air-dry.
4. Allow to stand for at least 5 minutes, or for longer depending on the organisms being treated. (See solution preparation and application guidance above.)

Trucks and other Vehicles

1. Remove all filth and heavy debris from surfaces by scraping or washing.
2. Prepare a solution by mixing the appropriate amount of UCARSAN Sanitizer 420 with water. See solution preparation and application guidance above.
3. Apply by spraying or immersion, and allow to air-dry.
4. Allow to stand for at least 5 minutes, or for longer depending on the organisms being treated.

Egg Sanitization

(for treating hatching eggs only)

Prepare a solution by mixing 0.64 ounces of UCARSAN Sanitizer 420 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

1. Before applying UCARSAN Sanitizer 420, remove heavy filth and soil deposits from surfaces using a suitable cleaner.
2. Dilute to 0.10% to 0.25% active ingredient by mixing 0.61 to 1.5 fluid ounces of UCARSAN Sanitizer 420 per gallon of water.
3. Using suitable commercially available equipment, saturate all surfaces with diluted UCARSAN Sanitizer 420. Allow to set for at least 5 minutes, or for a longer time depending on the organisms being treated. See solution preparation and application guidance above.
4. Ventilate enclosed spaces.
5. Do not repopulate with poultry or other animals, or use equipment until treatment has been absorbed or dried.