



# CHEMSANHQ

DISINFECTANT – SANITIZER – VIRUCIDE\* – DEODORIZER

For Use In Hospitals, Institutional, Industrial, Schools, Restaurants, Farms, Veterinary Clinics, Food Handling and Process Areas, Bars and Institutional Kitchens.

**ACTIVE INGREDIENTS:**

Alkyl (50% C14, 40% C12, 10% C16)	
Dimethyl Benzyl Ammonium Chloride .....	3.0%
Octyl Decyl Dimethyl Ammonium Chloride .....	2.3%
Didecyl Dimethyl Ammonium Chloride .....	1.1%
Dioctyl Dimethyl Ammonium Chloride .....	1.1%
<b>OTHER INGREDIENTS:</b> .....	<b>92.5%</b>
<b>TOTAL:</b> .....	<b>100.0%</b>

**KEEP OUT OF REACH OF CHILDREN**

**DANGER PELIGRO**

See side panel for additional precautionary statements.

**FIRST AID**

In case of emergency, call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

**IF ON SKIN:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

**IF SWALLOWED:** Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Call a poison control center or doctor immediately for treatment advice.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

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EPA Registration No. 10324-81-65072

EPA Establishment No.

- 65072-CO-001    65072-IL-001    65072-OH-005
- 65072-OH-006    65072-PA-001    65072-PA-002
- 65072-PA-003    65072-WA-001

Net Contents: \_\_\_\_\_ Bulk Gallons (refillable)  
\_\_\_\_\_ Gallons (non-refillable)

**TO SANITIZE FOOD CONTACT SURFACES, FOOD PROCESSING EQUIPMENT AND OTHER HARD SURFACES IN FOOD PROCESSING LOCATIONS, DAIRIES, RESTAURANTS AND BARS IN A THREE COMPARTMENT SINK:** Immerse pre-cleaned glassware, dishes, silverware, cooking utensils and other similar size food processing equipment in a solution of 1-2.67 oz. of this product per 4 gal. of water (0.25-0.67 oz. per gal. of water) (150-400 ppm active quat) (or equivalent use dilution) for at least 1 minute. Allow sanitized surfaces to adequately drain and then air dry before contact with food so that little or no residue remains. Do not rinse.

For articles too large for immersing, apply a use solution of 1-2.67 oz. of this product per 4 gal. of water (0.25-0.67 oz. per gal. of water) (150-400 ppm active quat) (or equivalent use dilution) to sanitize hard, non-porous food contact surfaces with a brush, cloth, mop, sponge, auto scrubber, mechanical spray device, coarse pump or trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Surfaces must remain wet for at least 1 minute. Allow sanitized surfaces to adequately drain and then air dry before contact with food. Do not rinse. Prepare a fresh solution daily or when visibly dirty. For mechanical application, use solution must not be reused for sanitizing applications but may be used for other purposes such as cleaning.

**U.S. PUBLIC HEALTH SERVICE FOOD SERVICE SANITIZATION RECOMMENDATIONS CLEANING AND SANITIZING:** 1. Thoroughly wash equipment and utensils in a hot detergent solution. 2. Rinse utensils and equipment thoroughly with potable water. 3. Sanitize equipment and utensils by immersion in 1-2.67 oz. of this product per 4 gal. of water (0.25-0.67 oz. per gal. of water) (150-400 ppm active quat) of this product for at least 1 minute at a temperature of 75°F. 4. For equipment and utensils too large to sanitize by immersion, apply use solution of 1-2.67 oz. of this product per 4 gal. of water (0.25-0.67 oz. per gal. of water) (or equivalent use dilution) of this product by rinsing, spraying or swabbing until thoroughly wetted for 1 minute. 5. Allow sanitized surfaces to adequately drain and then air dry before contact with food. Do not rinse. 6. Prepare a fresh solution daily or when visibly dirty.

**BEVERAGE DISPENSING AND SANITARY FILLING EQUIPMENT SANITIZER DIRECTIONS:** For sanitizing hard, non-porous bottling or pre-mix dispensing equipment and bottles or cans in the final rinse application. This product is to be proportioned into the final rinse water line of the container washer or rinser. Fill equipment with a solution of 1-2.67 oz. of this product per 4 gal. of water (0.25-0.67 oz. per gal. of water) (150-400 ppm active quat) (or equivalent use dilution) of this product. Surfaces must remain wet for at least 1 minute or until operations resume at which time the sanitizing solution must be drained from the system. Allow sanitized surfaces to adequately drain and then air dry before contact with liquid. Do not rinse.

**BEER FERMENTATION AND STORAGE TANK SANITIZER DIRECTIONS:** For sanitizing hard, non-porous beer fermentation and holding tanks, wine, citrus and food processing storage and holding tanks. Prepare a solution of 1-2.67 oz. of this product per 4 gal. of water (0.25-0.67 oz. per gal. of water) (150-400 ppm active quat) (or equivalent use dilution) (or equivalent use dilution) of this product for mechanical or automated systems. Follow manufacturers' directions for use for application equipment. Surfaces must remain wet for at least 1 minute. Allow sanitized surfaces to adequately drain before contact with liquid. Do not rinse. For mechanical operations or automated systems, the used sanitizing solution must not be reused for sanitizing, but can be reused for other purposes such as cleaning.

**SANITIZING EGG SHELLS INTENDED FOR FOOD DIRECTIONS:** To sanitize previously cleaned food-grade eggs in shell egg and egg product processing plants, spray with a solution of 1-2.67 oz. of this product per 4 gal. of water (0.25-0.67 oz. per gal. of water) (150-400 ppm active quat) (or equivalent use dilution) of this product. The solution must be warmer than the eggs, but not to exceed 130°F. Wet eggs thoroughly and allow solution to drain. Eggs sanitized with this product must be subjected to a potable water rinse only if they are to be broken immediately for use in the manufacture of egg products. Eggs must be reasonably dry before casing or breaking. The solution must not be re-used for sanitizing eggs. Note: Only clean, whole eggs can be sanitized. Dirty, cracked or punctured eggs cannot be sanitized.

**GLOVE DIP/SPRAY SANITIZER DIRECTIONS:** To prevent cross contamination from area to area in animals areas and the packaging and storage areas of food plants, dip, soak or spray pre-washed plastic, latex or other synthetic rubber gloves thoroughly to ensure sanitizing solution covers the exterior surfaces of the gloves prior to wearing. For spray applications, use a coarse spray device. Do not let sanitizing solution come into contact with exposed skin. After applying solution, allow gloves to remain wet for at least 1 minute. Let air dry thoroughly before wearing gloves. Do not rinse. Prepare sanitizing solution by adding 1-2.67 oz. of this product per 4 gal. of water (0.25-0.67 oz. per gal. of water) (150-400 ppm active quat) (or equivalent use dilution). Prepare a fresh solution daily or when visibly dirty.

#### **NON-FOOD CONTACT SANITIZING DIRECTIONS**

**NON-FOOD CONTACT SANITIZING:** Pre-clean heavily soiled surfaces. Add 1 oz. of this product to 4 gal. of water (150 ppm active) (or equivalent use dilution). Apply solution to hard, non-porous surfaces with a sponge, brush, cloth, mop, by immersion, auto scrubber, mechanical spray device, coarse pump or trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Treated surfaces must remain wet for 3 minutes. Prepare a fresh solution daily or when visibly dirty.

**SHOE/BOOT BATH SANITIZER DIRECTIONS:** To prevent cross contamination from area to area, in animal areas, and the packaging and storage areas of food plants, shoe baths containing one inch of freshly made sanitizing solution must be placed at all entrances to buildings, hatcheries and at all the entrances to the production and packaging rooms. Scrape waterproof shoes and place in a 0.25-oz. of this product per gal. of water (or equivalent use dilution) (150 ppm active) use solution for 3 minutes prior to entering area. Prepare a fresh solution daily or when visibly dirty.

**SHOE FOAM DIRECTIONS:** To prevent cross contamination from area to area, in animal areas and the packaging and storage areas of food plants, apply a foam layer approximately 0.5 to 2 inches thick made from a solution of 1.36 to 2 oz. of this product per gal. of water (or equivalent use dilution) (800-1200 ppm active) at all entrances to buildings, hatcheries, production and packaging rooms by using a foam generating machine or aerator to apply foam layer. Follow the foaming directions as specified by the manufacturer of the foam generator/aerator. Scrape waterproof shoes. Stand and/or walk through foamed area or allow to remain wet for 3 minutes prior to entering area. Foam area must be washed and replaced daily or when it appears visibly soiled or dirty.

*(For food processing or other facilities that have installed entryway sanitizing systems.)*

**ENTRYWAY SANITIZING SYSTEMS:** To prevent cross contamination from area to area, set the system to deliver 0.68-1.36 oz. of this product per gal. of water (or equivalent use dilution) (400-800 ppm active) of sanitizing solution. The spray/foam must cover the entire path of the doorway. Set the system so that a continuous wet blanket of sanitizer solution is delivered to the floor. Do not mix other foam additives with the sanitizing solution.

**FOR USE AS A GENERAL CLEANER AND/OR DEODORIZER:** Apply use solution of 2 oz. of this product per 4.5 gal. of water to hard, non-porous surfaces. Rinse or allow to air dry. For heavy-duty use, add 4 oz. of this product per 4.5 gal. of water to clean hard, non-porous surfaces.

#### **ANIMAL PREMISES**

Prior to use of this product, remove all animals and feeds from premises, animal transportation vehicles, and enclosures. Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other surfaces of facilities and fixtures occupied or traversed by animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean surfaces with soap or detergent and rinse with water.

**FOR USE AS AN ANIMAL PREMISE DISINFECTANT/VIRUCIDE\*:** Apply a use solution of 3.5 oz. of this product per 4.5 gallon of water (or equivalent use dilution) to disinfect hard, non-porous surfaces with a sponge, brush, cloth, by immersion, mechanical spray device, coarse pump or trigger spray device. Immerse all halters and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure in the use solution. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Treated surfaces must remain wet for 10 minutes. Ventilate buildings, coops and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, troughs, automatic feeders, fountains and waterers and other treated equipment which can contact food or water with soap or detergent, and rinse with potable water before reuse.

**HATCHERIES:** Use to treat hatchers, setters, trays, racks, carts, sexing tables, delivery trucks and other hard surfaces. Use 3.5 oz. of this product per 4.5 gal. of water. Leave all treated surfaces wet for 10 minutes or more. Allow to air dry.

**VEHICLES:** Clean all vehicles including mats, crates, cabs, and wheels with water and this product. Use 3.5 oz. of this product per 4.5 gal. of water. Apply use solution to treat all vehicles. Leave treated surfaces wet for 10 minutes or more. Allow to air dry.

**DRESSING PLANT:** Disinfect equipment, utensils, walls and floors in poultry and animal dressing plants. Disinfect offal rooms, exterior walls and loading platforms of dressing plants. Cover or remove all food and packaging materials. Remove all heavy soils prior to application. Saturate surfaces with a solution of 3.5 oz. of this product per 4.5 gal. of water, 0.78 oz. of this product per gal. of water, and scrub to loosen all soils. Surfaces must remain wet for 10 minutes, and then be thoroughly rinsed with potable water before operations are resumed.

#### **FOGGING IN POULTRY HOUSES**

**ALL SURFACES MUST BE CLEANED AND DISINFECTED IN ACCORDANCE WITH LABEL DIRECTIONS PRIOR TO FOGGING.**

**TREATMENT OF HATCHERY ROOMS USING FOGGING DEVICES:** Remove all animals and feed from premises, vehicles and enclosures. Remove all litter and manure from floors, walls and surfaces of the room to be treated. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean surfaces with soap or detergent and rinse with water. Close room off so fog is confined to room to be treated. Mix 1 gallon of this product per 2.5 gal. of water (or equivalent use dilution). Wear a dust mist respirator when mixing the use solution and pouring it into the fogging apparatus. Insert the nozzle of the fogger through a suitable opening into the room. With the setting in maximum output, fog for one minute for each 4000 cubic feet of space in the room. **Under no circumstances will a room be entered by anyone within 2 hours of actual fogging and a minimum of 4 air exchanges (ACH) per hour in the facility.** When fogging is completed ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed or dried. Thoroughly clean all treated surfaces with soap or detergent and rinse with water.

**TREATMENT OF INCUBATORS AND HATCHERS USING FOGGING DEVICES:** Only for treatment of setters and hatchers after poultry/chicks/eggs have been removed. Not for treatment of hatchers which contain chicks/eggs. Mix 13 oz. of this product per gallon of water (or equivalent use dilution). Wear a dust mist respirator when mixing the use solution and pouring it into the fogging apparatus. Fog 3-8 oz. of this into setters and hatchers immediately after transfer. Repeat daily in setters and every 12 hours in hatchers. Discontinue hatcher treatments at least 24 hours prior to pulling the hatch. Do not allow people to contact or breathe this fog. It is acceptable to fog setters and hatchers with a 1.5 oz. of this product per gal. of water solution (or equivalent use dilution) on an hourly or every other hour basis. If this is done, fog for 30-90 seconds once per hour or once every two hours. When fogging is complete, ventilate buildings, and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed or dried. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers, and other treated equipment with soap or detergent, and rinse with potable water before reuse. **Under no circumstances will a room be entered by anyone within two hours of the actual fogging and a minimum of 4 air exchanges (ACH) per hour in the facility.**

**Note:** The fog generated is irritating to the eyes, skin and mucous membranes. Under no circumstances must a room or building be entered by anyone within two hours of the actual fogging and a minimum of 4 air exchanges (ACH) per hour in the facility. If the building must be entered, then the individuals entering the building must wear a self-contained respirator approved by NIOSH/MSHA, goggles, gloves, long sleeves and long pants.

**Batch Code:** \_\_\_\_\_

*Label Revision Date:*  
08/26/15 (A-15)

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

**DANGER.** Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing spray mist. Do not get in eyes, on skin or on clothing. Wear goggles, or face shield and rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish and aquatic invertebrates. 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 into 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 DISPOSAL**

Do not contaminate water, food, or feed by storage and disposal.  
**PESTICIDE STORAGE:** Store only in original container. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. 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 Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

**CONTAINER HANDLING:**

*For non-refillable containers equal to or less than 5 gal.*  
**Non-Refillable Container.** Do not reuse or refill this container. Triple rinse container promptly after emptying. Triple rinse as follows: Fill the container 1/4 full with water and recap. Shake for 10 seconds. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

*For non-refillable containers greater than 5 gal.*  
**Non-Refillable Container.** Do not reuse or refill this container. Triple rinse container promptly after emptying. Triple rinse as follows: Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip back and forth several times. Turn the container over onto its other end and tip back and forth several times. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

*Refillable containers*

**Refillable Container.** Refill this container with this product only. Do not reuse this container for any other purpose. Cleaning 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 the container before final disposal empty the remaining contents from this container into application equipment or a mix tank. Fill container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

**DISINFECTION PERFORMANCE IN INSTITUTIONS AND NON-MEDICAL FACILITIES:** CHEMSANHQ kills the following bacteria in 10 minutes at 3.5 oz. per 4.5 gal. of water (450 ppm active) and 5% soil on hard, non-porous surfaces: *Burkholderia cepacia*, *Campylobacter jejuni*, *Clostridium perfringens-vegetative*, *Corynebacterium ammoniagenes*, *Escherichia coli* O157:H7, *Enterococcus faecium* Vancomycin Resistant, *Klebsiella pneumoniae*, *Listeria monocytogenes*, *Pseudomonas aeruginosa*, *Rhodococcus equi*, *Salmonella enterica*, *Salmonella enterica serovar agona*, *Salmonella enterica serovar anatum*, *Salmonella enterica serovar infantis*, *Salmonella enterica serovar typhimurium*, *Salmonella typhi*, *Shigella sonnei*, *Staphylococcus aureus*, *Staphylococcus aureus* Methicillin Resistant, *Staphylococcus aureus* Community Associated Methicillin Resistant, *Streptococcus equi*

**VIRUCIDAL\* PERFORMANCE:** CHEMSANHQ kills the following viruses in 10 minutes at 3.5 oz. per 4.5 gal. of water and 5% soil on hard, non-porous surfaces: Avian Influenza A (H5N1) Virus, Avian Influenza/Turkey/Wisconsin Virus, Influenza A (H1N1) Virus, Influenza A2/Hong Kong Virus (H3N2), Influenza A2/J305 Virus, Human Coronavirus, Herpes Simplex Type 1 Virus, Herpes Simplex Type 2 Virus, Norovirus, Vaccinia Virus

**NON-FOOD CONTACT SANITIZING PERFORMANCE:** CHEMSANHQ is an effective one-step sanitizer in 3 minutes at 0.25 oz. per gallon of water (150 ppm active) and 5% soil on hard, non-porous surfaces: *Staphylococcus aureus*, *Klebsiella pneumoniae*

**FOOD CONTACT SANITIZING PERFORMANCE:** CHEMSANHQ is an effective food contact sanitizer in 1 minute at 1.36 oz. per 4 gal. of 500 ppm hard water (200 ppm active) on hard, non-porous surfaces: *Aeromonas hydrophila*, *Campylobacter jejuni*, *Clostridium perfringens-vegetative*, *Escherichia coli*, *Escherichia coli* O111:H8, *Escherichia coli* O157:H7, *Escherichia coli* O45:K:H-, *Escherichia coli* O103:K:H8, *Escherichia coli* O121:K:H10, *Escherichia coli* O26:H11, *Enterococcus faecalis* Vancomycin Resistant, *Enterobacter sakazakii*, *Listeria monocytogenes*, *Klebsiella pneumoniae*, *Salmonella enterica*, *Salmonella enteritidis*, *Salmonella typhi*, *Shigella dysenteriae*, *Shigella sonnei*, *Staphylococcus aureus*, *Staphylococcus aureus* Methicillin Resistant, *Streptococcus pyogenes*, *Yersinia enterocolitica*  
**CHEMSANHQ** is an effective food contact sanitizer in 1 minute at 1 oz. per 4 gal. of 300 ppm hard water (150 ppm active) on hard, non-porous surfaces: *Escherichia coli*, *Staphylococcus aureus*  
**CHEMSANHQ** is an effective food contact sanitizer in 1 minute at 2.67 oz. per 4 gal. of 1000 ppm hard water (400 ppm active) on hard, non-porous surfaces: *Escherichia coli*, *Staphylococcus aureus*

**ANIMAL PREMISE VIRUCIDAL\* PERFORMANCE:** CHEMSANHQ kills the following viruses in 10 minutes at 3.5 oz. per 4.5 gal. of water and 5% soil on hard, non-porous surfaces: Avian Influenza A (H5N1) Virus, Avian Influenza/Turkey/Wisconsin Virus, Canine Distemper Virus, Canine Coronavirus, Equine Influenza A (H3N8) Virus, Equine Herpes Virus Type 1, Infectious Bovine Rhinotracheitis Virus (IBR), Infectious Laryngotracheitis Virus, Newcastle disease Virus, Porcine Respiratory & Reproductive Virus (PRRSV), Porcine Rotavirus, Pseudorabies Virus, Transmissible Gastroenteritis Virus (TGE)

**DIRECTIONS FOR USE**

**It is a violation of Federal law to use CHEMSANHQ in a manner inconsistent with its labeling.**  
Before using CHEMSANHQ, food products and packaging materials must be removed from the room or carefully protected.  
**CHEMSANHQ** is not for use on medical device surfaces.

**FOR USE AS A GENERAL, HOSPITAL DISINFECTANT, VIRUCIDE\*:** 1. Pre-clean heavily soiled areas. 2. Apply use solution of 3.5 oz. of this product per 4.5 gal. of water to disinfect hard, non-porous surfaces with a sponge, brush, cloth, mop, by immersion, auto scrubber, mechanical spray device, coarse pump or trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. 3. Treated surfaces must remain wet for 10 minutes. 4. Allow to air dry. Rinsing of floors is not necessary unless they are to be waxed or polished. 5. Prepare a fresh solution daily or when visibly dirty.

**ULTRASONIC BATH DISINFECTANT DIRECTIONS:** Pre-clean heavily soiled areas. Use this product to disinfect hard, non-porous non-critical objects compatible with Ultrasonic cleaning units. Pour a fresh solution of 3.5 oz. of this product per 4.5 gal. of water (or equivalent use dilution) (450 ppm active) directly into bath chamber. Place objects into unit and operate according to manufacturers' use directions for a minimum of 10 minutes. Remove objects and rinse with sterile water. Allow to air dry. Prepare a fresh solution daily or when visibly dirty.

**NON-ACID TOILET BOWL AND URINAL DISINFECTANT/CLEANING DIRECTIONS:** Remove heavy soil prior to disinfection.  
**From a Concentrate:** Add 0.78 oz. of this product directly into the water in the toilet bowl. Brush thoroughly over exposed surfaces and under the rim with a toilet brush/mop, cloth, or sponge. Allow solution to stand for 10 minutes and flush.  
**From a Use Solution:** Empty water out of toilet bowl or urinal and apply a use solution of 0.78 oz. of this product per gal. of water to exposed surfaces, including under the rim with a toilet brush/mop, cloth, or sponge, or trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Brush or swab thoroughly, then allow solution to stand for 10 minutes and flush.

**FOR USE AS A CLEANER ON FINISHED FLOORS:** To limit gloss reduction, use 2 oz. of this product per 4.5 gal. of water. Apply with a damp mop or auto scrubber. Allow surface to air dry.

**MUSHROOM FARM INDUSTRY USE DIRECTIONS**

**Site Preparation:** The first step in any ongoing sanitation program must be the removal of gross contamination and debris. This may be accomplished by using a shovel, broom, or vacuum, depending on the area to be disinfected.  
**Disinfection:** For heavily soiled areas, pre-clean first. Use 3.5 oz. of this product per 4.5 gal. of water (or equivalent use dilution) use solution. Wet all hard, non-porous surfaces thoroughly. Treated surfaces must remain wet for 10 minutes. Let air-dry. Prepare a fresh solution for each use.  
**For Heavy Duty Cleaning:** When heavy duty cleaning is desired, use 7 oz. of this product per 4.5 gal. of water (1.5 oz. of this product per gal. of water). Heavily soiled areas will require repeated cleaning before treatment.  
**DO NOT APPLY TO THE MUSHROOM CROP, COMPOST OR CASING.** Rinse treated surfaces with potable water before they contact the crop, compost or casing.

**CITRUS CANKER CONTROL (Not Applicable in CA):** For prevention of Citrus Canker Disease through treatment of pre-cleaned equipment. Effective against *Xanthomonas axonopodis pv. citri* (Citrus Canker) at 2000 ppm active. Treatment can be applied to trucks, attached trailers, field harvesting equipment, including cargo area, wheels, tires, undercarriage, hood, roof, fenders and any other hard, non-porous part of equipment that can be taken into infested areas. Thoroughly clean surfaces with soap or detergent and rinse with water. Then saturate surfaces with a use dilution of 3.4 oz. of this product per gal. of water (or equivalent use dilution) (2000 ppm active) for a period of 10 minutes. Allow to air dry. Surfaces that come in contact with food or crop must be rinsed with potable water before reuse. To prevent the spread of Citrus Canker Disease by this artificial means of transportation, treatments are made by trigger spraying, dipping or brushing. Clothing must be either thoroughly rinsed or laundered before reuse. Footwear must be rinsed before reuse. Prepare a fresh solution daily or when visibly dirty.

**FOOD CONTACT SANITIZING DIRECTIONS**

Prior to application, remove gross food particles and soil by a pre-flush or pre-scrape and when necessary, presoak. Then thoroughly wash or flush objects with a good detergent or compatible cleaner, followed by a potable water rinse before applications of the sanitizing solution.

**FOOD CONTACT SANITIZING DILUTION TABLE**

Active solution	1 gal.	4 gal.	10 gal.	20 gal.
150 ppm	0.25 oz.	1.0 oz.	2.5 oz.	5.0 oz.
200 ppm	0.34 oz.	1.36 oz.	3.4 oz.	6.8 oz.
300 ppm	0.50 oz.	2.0 oz.	5.0 oz.	10.0 oz.
400 ppm	0.67 oz.	2.67 oz.	6.67 oz.	13.3 oz.