



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

August 28, 2023

Adam Pyle  
Senior Regulatory Scientist  
Stepan Company  
Electronic Transmittal: APyle@stepan.com

Subject: Label Amendment – Several Label Changes  
Product Name: BTC 2125 M 10% SOLUTION  
EPA Registration Number: 1839-86  
Received Date: March 23, 2023  
Action Case Number: 00443234

Dear Adam Pyle:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. Pursuant to 40 CFR 156.10(a)(6) you must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. See FIFRA section 2(p)(2). If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process, FIFRA section 12(a)(1)(B). Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Assurance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

Page 2 of 2  
EPA Reg. No. 1839-86  
Action Case Number 00443234

with FIFRA section 6. If you have any questions, you may contact Joe Daniels via email at [Daniels.joseph@epa.gov](mailto:Daniels.joseph@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Tara M. Flint Silva". The signature is written in a cursive, flowing style.

Tara Flint Silva, Acting Product Manager 31  
Regulatory Management Branch I  
Antimicrobials Division  
Office of Pesticide Programs

Enclosure: Stamped Label

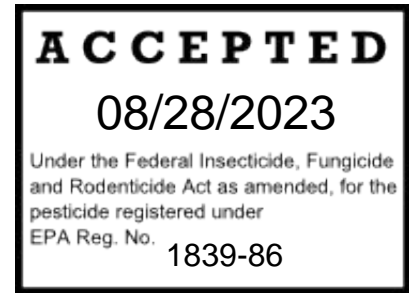
# BTC® 2125M 10% Solution

## FRONT PANEL

### ACTIVE INGREDIENTS

Alkyl (60% C<sub>14</sub>, 30% C<sub>16</sub>, 5% C<sub>12</sub>, 5% C<sub>18</sub>)  
dimethyl benzyl ammonium chlorides..... 5.0%  
Alkyl (68% C<sub>12</sub>, 32% C<sub>14</sub>) dimethyl  
ethylbenzyl ammonium chlorides..... 5.0%  
**(INERT)(OTHER) INGREDIENTS**..... 90.0%  
TOTAL..... 100.0%

**NET CONTENTS(:)** XXX (fl oz)(fluid ounces)(gallon(s))(gal(s))  
**(NET CONTENTS:** XX (fl oz)(fluid ounce(s)) per packet)



## KEEP OUT OF REACH OF CHILDREN DANGER

{Note to Reviewer: In accordance with 40 CFR 156.68(d), all first aid statements, as prescribed, will appear on the front panel of the product label.}

FIRST AID	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>If in Eyes:</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If on Skin or Clothing:</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If Swallowed:</b>	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.</li></ul>
<b>If Inhaled:</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
(You may contact (xxx) xxx-xxxx for emergency medical treatment information.)	

### NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

*(Note to reviewer: Only one of the following statements is required. Referral to "Directions for Use" is required when directions for use are only found in booklet. Choose applicable statement noted in curly bracket.)*

See (side) (back) panel(s) for additional precautionary statements.

or

See booklet for {(complete) (additional)} information (and) (including) (Directions for Use)

## FRONT, BACK OR SIDE PANEL

EPA REG. NO. 1839-86

EPA EST. NO. (as indicated on container) {Note to reviewer: Lot code may designate establishment number. (Circled) letter designating establishment number is the last/first digit/number/letter of lot number.}

### STEPAN COMPANY

1101 Skokie Blvd, Suite 500  
Northbrook, IL 60062

## **PRECAUTIONARY STATEMENTS**

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

#### **DANGER**

KEEP OUT OF REACH OF CHILDREN. CORROSIVE. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. Wear goggles or face shield, rubber gloves, and protective clothing. Harmful if swallowed. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

*<Required for products supplied in containers of 5 gallons or greater>*

#### **ENVIRONMENTAL HAZARDS**

This product 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.

Contains no phosphorus.

## **MICRO-ORGANISMS**

This product has been tested and found to be efficacious against the following micro-organisms on hard, non-porous surfaces:

<b>DISINFECTION</b>			
<b>Bactericidal Activity (Bacteria)</b>	<b>ATCC No</b>	<b>Contact Time</b>	<b>Use Dilution</b>
Pseudomonas aeruginosa	(ATCC 15442)	10 minutes	0.7 fl oz/gallon
Staphylococcus aureus	(ATCC 6538)	10 minutes	0.6-0.7 fl oz/gallon
Salmonella enterica	(ATCC 10708)	10 minutes	0.6-0.7 fl oz/gallon
Listeria monocytogenes	(ATCC 35152)	10 minutes	0.6-0.7 fl oz/gallon
Vancomycin intermediate resistant Staphylococcus aureus (VISA)		10 minutes	0.7 fl oz/gallon
Yersinia enterocolitica	(ATCC 23715)	10 minutes	0.6-0.7 fl oz/gallon
<b>Virucidal Activity (Viruses)</b>	<b>ATCC No</b>	<b>Contact Time</b>	
Adenovirus Type 5		10 minutes	0.7 fl oz/gallon
Avian Influenza A Virus	(ATCC VR-798)	10 minutes	0.7 fl oz/gallon
Influenza A Virus (H7N9)		10 minutes	0.7 fl oz/gallon
Bovine Viral Diarrhea Virus (BVDV)		10 minutes	0.7 fl oz/gallon
Hepatitis B Virus (HBV)		10 minutes	0.7 fl oz/gallon
Hepatitis C Virus (HCV)		10 minutes	0.7 fl oz/gallon
Herpes Simplex Virus Type 1		10 minutes	0.7 fl oz/gallon
Human Coronavirus (Strain 229E)	(ATCC VR-740)	10 minutes	0.7 fl oz/gallon
Human Immunodeficiency Virus (HIV-1)(Strain HTLV-III B)		10 minutes	0.7 fl oz/gallon
Human Influenza Virus		10 minutes	0.7 fl oz/gallon
Influenza A2 Virus		10 minutes	0.7 fl oz/gallon
Laryngotracheitis Virus (LT-IVAX)		10 minutes	0.7 fl oz/gallon
SARS Associated Coronavirus (ZeptoMetrix)		10 minutes	0.7 fl oz/gallon
Vaccinia Virus		10 minutes	0.7 fl oz/gallon
Newcastle Disease Virus (strain H. J. Roakin, 1946)		10 minutes	0.7 fl oz/gallon

Bracketed information is denoted as: { insert as noted }, ( optional text ), [ required qualifier ], <note>.

The term "this product" used throughout this document may be replaced with the marketed product brand name.

The term "x" is a place holder for numerical digits.

Punctuation and plural/singular word forms may be adjusted to allow for grammatical correctness.

Appropriate metric or imperial unit conversion may be added as optional supplemental information.

Porcine Respiratory & Reproductive Syndrome Virus (PRRSV) (Strain NVSL)		10 minutes	0.7 fl oz/gallon
SARS-Related Coronavirus 2 (SARS-CoV-2) USA-WA1/2020 BEI NR-52281		30 seconds	2 fl oz/gallon
<b>FOOD CONTACT SANITIZATION</b>			
Escherichia coli	(ATCC 11229)	60 seconds	0.25-0.5 fl oz/gallon (200-400ppm)
Escherichia coli O157:H7	(ATCC 43895)	60 seconds	0.25-0.5 fl oz/gallon (200-400ppm)
Staphylococcus aureus	(ATCC 6538)	60 seconds	0.25-0.5 fl oz/gallon (200-400ppm)
Yersinia enterocolitica	(ATCC 23715)	60 seconds	0.25-0.5 fl oz/gallon (200-400ppm)
Listeria monocytogenes	(ATCC 35152)	60 seconds	0.25-0.5 fl oz/gallon (200-400ppm)
Methicillin resistant Staphylococcus aureus (MRSA)	(ATCC 33592)	60 seconds	0.25-0.5 fl oz/gallon (200-400ppm)
Vancomycin resistant Enterococcus faecalis (VRE)	(ATCC 51299)	60 seconds	0.25-0.5 fl oz/gallon (200-400ppm)
Campylobacter jejuni	(ATCC 29428)	60 seconds	0.25-0.5 fl oz/gallon (200-400ppm)
Klebsiella pneumoniae	(ATCC 4352)	60 seconds	0.25-0.5 fl oz/gallon (200-400ppm)
Salmonella typhi	(ATCC 6539)	60 seconds	0.25-0.5 fl oz/gallon (200-400ppm)
Shigella sonnei	(ATCC 11060)	60 seconds	0.25-0.5 fl oz/gallon (200-400ppm)
Vibrio cholera	(ATCC 14035)	60 seconds	0.25-0.5 fl oz/gallon (200-400ppm)
<b>NON-FOOD CONTACT SANITIZATION</b>			
Klebsiella pneumoniae	(ATCC 4352)	30 seconds	0.3 fl oz/gallon
Staphylococcus aureus	(ATCC 6538)	30 seconds	0.3 fl oz/gallon
Listeria monocytogenes	(ATCC 35152)	30 seconds	0.3 fl oz/gallon

## **SURFACES & USE SITES**

*{Note to Reviewer: Product label may include a graphic depiction of surfaces or sites listed on the EPA-approved master label. Multiple locations/hard, non-porous surfaces can be chosen and used in any order from SURFACES & USE SITES Table. In the case where one or more location/hard, non-porous surfaces is chosen, an "and" "&" "or" may be used to link locations/surfaces}*

### **Use Sites:**

[(Beauty) (Barber)] Shops	Courthouses	Orthopedics [(Rooms) (Areas)]
(Boats) (Ships)	Crime Scenes	Other Animal Care Facilities
[(Breeding) (Grooming)] Establishments	Dairies	Other Household Areas
(Campers) (Trailers)	Day Care Centers	Patient Care [(Rooms) (Facilities)]
(Cars) (Trucks) (Taxis) (Vehicles)	Dental [(Offices) (Clinics)]	Pet Animal Quarters
[(Dairy) (Hog) (Equine) (Poultry) (Turkey)] Farms	Department Stores	Pet Shops
[(Dog) (Cat) (Animal)] Kennels	Donut Shops	Photo Copy Centers
[(Fishery) (Milk) (Citrus) (Ice Cream) (Potato) (Dairy)] Processing Plants	Dormitories	Physician Offices
(Hotels)(Motels)	Dressing Rooms	Picnic Facilities
[(Household) (Automotive)] Garages	Education Institutions	Pizzerias
[(Massage) (Facial) (Hair) (Nail) (Pedicure) (Beauty)] Salons	Egg Processing Plants	Playgrounds
[(Meat) (Poultry)] Processing [(Plants) (Establishments)]	Emergency Rooms	Police Stations

Bracketed information is denoted as: { insert as noted }, ( optional text ), [ required qualifier ], <note>. The term "this product" used throughout this document may be replaced with the marketed product brand name. The term "x" is a place holder for numerical digits. Punctuation and plural/singular word forms may be adjusted to allow for grammatical correctness. Appropriate metric or imperial unit conversion may be added as optional supplemental information.

(Movie) Theaters	EMS & Fire Facilities	Post Offices
[(Performance) (Theater)] Centers	Factories	Public Restrooms
Acute Care Institutions	Fast Food Operations	Recovery [(Rooms) (Areas)]
Airplanes	Food Establishments	Recreational Facilities
Airports	Food Processing Plants	Recycling Centers and Equipment
Alternate Care Institutions	Food Storage Areas	Respiratory Therapy Areas
Amphitheaters	Funeral Homes	Restaurants
Anesthesia [(Rooms) (Areas)]	Gift Shops	[(Retail) (and) (or) (Wholesale)] Establishments
Animal Life Science Laboratories	Health Clubs	School Administration Offices
Art Galleries	Heliports	Schools
Athletic Facilities	Home Healthcare Institutions	Shopping Malls
Auto Repair Centers	Hospitals	Shower (Rooms) (Stalls)
Bagel Stores	Institutional Facilities	Sick Rooms
Banks	Isolation Wards	Spas
Bars	Kitchens	Sports [(Arenas) (Complexes) (Stadiums)]
Bathrooms	Laboratories	Supermarkets
Bed & Breakfasts	Laundries	Tack Shops
Bicycle Shops	Libraries	Tanning [(Salons) (Spas)]
Bookstores	Life Care Retirement Communities	Tattoo Parlors
Bus Stations	Liquor Stores	Taverns
Buses	Lodging Establishments	Toy Manufacturing Sites
Cafeterias	Medical [(Offices) (Clinics)]	Toy Stores
Campgrounds	Medical Research Facilities	Train Stations
CAT Labs	Mobile Homes	Trains
Classrooms	Mortuaries	Transportation Terminals
Cocktail Lounges	Municipal Government Buildings	Travel Rest Areas
Coffee Shops	Museums	Universities
Colleges	Mushroom Farms	Veterinary Clinics
Commercial Florist and Flower Shops	Newborn Nurseries	Video Stores
Computer Manufacturing Sites	Nurseries	Whirlpools
Convenience Stores	Nursing Homes	X-Ray [(Rooms) (Areas)]
Convention Centers	Operating Rooms	Zoos

## Hard, non-porous Surfaces

{Note to Reviewer: The term, "surfaces," may be added within claims and directions for use to add linguistic clarity where necessary.}

(Glazed) Porcelain (Tiles)	Exercise Equipment	Portable Toilets
(Kennels) (Animal) (Cages)	Exhaust Fans	Refrigerated Storage Equipment <sup>3</sup>
[(Restroom) (Bathroom)] Fixtures	(Cage) Floors	Refrigerators <sup>3</sup>
Appliances	Food preparation and storage areas	Room Temperature Stovetops
(Automobile Interior Surfaces) (Dashboards) (Gear Shift Levers)	Formica®	(Sealed) (Glazed) Fiberglass

Bracketed information is denoted as: { insert as noted }, ( optional text ), [ required qualifier ], <note>. The term "this product" used throughout this document may be replaced with the marketed product brand name. The term "x" is a place holder for numerical digits. Punctuation and plural/singular word forms may be adjusted to allow for grammatical correctness. Appropriate metric or imperial unit conversion may be added as optional supplemental information.

(Accessory Control Knobs) (Head Restraints)		
Bathtubs	Garbage Cans	Sealed Granite
Bathroom Surfaces	Glass	Sealed Marble
Bed Frames	Glassware	Seat Belt Buckles and Housings
Beer Fermentation and Holding Tanks	Glazed Ceramic (Tile)	Shower (Stalls) (Doors) (Curtains)
Bottling or Pre-Mix Dispensing Equipment	High Chairs	Silverware
Cabinets	Ice Chests <sup>3</sup>	Sinks
Chairs	Ice Machines <sup>3</sup>	Slurrry® Machines
Non-Porous Child Restraint Seat	Kennel Runs	Stainless Steel
Chrome	Kitchen Equipment (:) (Food Processors) (Blenders) (Cutlery) (Utensils)	Steering Wheels
Citrus Processing Equipment and Holding Tanks	Large Inflatable Non-Porous Plastic and Rubber Structures (such as) (Animals) (Promotional Items) (Moonwalk) (Slides) (Obstacle Courses) (Play and Exercise Equipment)	Tables
Cooking Utensils	Lifts	Tanning Beds
Coolers <sup>3</sup>	Metal	Telephone(s) (Keypads)
Countertops	Mirrors	Toilet Bowl Surfaces
Desks	Outdoor Furniture (Except Cushions and Wood Frames)	Toilets
Dishes	Painted Woodwork	Urinals
Display Equipment	Picnic Tables (Non-Wooden)	Vinyl (Car Seats)
(Doorknobs) (Door Handles)	Plastic	Vinyl and Plastic Upholstery
Drains	Plastic and Other Non-Porous Cutting Boards	Non-Porous Visor
Drinking Fountains	(Chrome) Plated Fixtures	(Washable) Walls
Enameled Surfaces	Play and Exercise Equipment	Wrestling Mats

## **(Non-Public Health) MARKETING CLAIMS**

{Note to reviewer: Marketing claims may appear anywhere on the label}

### **General**

- For Home, Hospital, Institutional and Industrial Use
- For Farm, School, Dairy, Restaurant, Food Handling and Processing Areas, Equine Farm, Poultry/Turkey Farm, Bar, Tavern and Institutional Kitchen Use
- This product is an economical concentrate to be used with a mop and bucket, sponge, cloth, low pressure coarse sprayer, hand pump trigger sprayer or bysoaking.
- This product may be applied through automatic washing systems, immersion tanks, foaming apparatus, low pressure sprayers, and, for non-public health uses, fogging (wet misting) systems.
- CITRUS CANKER CONTROL (*Not for Use in California*)
- **BTC® 2125M 10% Solution** (product name) for use in: {Insert Use Site from Use Sites Table}
- This product may be used on washable hard, non-porous surfaces: {Insert Surface from Surface Table}
- {Note to reviewer: The following may only be used to identify a specific retailer (who is not the producer or supplemental distributor);} (Sold at){Sold exclusively at}{Available at}{Available exclusively at} [insert retailer name and information]. {Brand graphics for the retailer may be added for only identified parties.}

## **DEODORIZATION & CLEANING CLAIMS**

- Deodorizer
- This product deodorizes those areas, which generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, pet areas and any other areas, which are prone to odors caused by microorganisms.
- This product will not leave a grit or soap scum.
- This product may be relied on to deodorize coolers, buckets, garbage pails and other areas where obnoxious odors may develop.
- This product is for use in work areas such as tool rooms and garages for odor control and light duty cleaning.
- This product provides long lasting freshness against tough (pet) odors from litter boxes and pet accidents.
- This product neutralizes on contact musty odors and tough odors from smoke, pet accidents, and spills.
- This product is formulated to effectively eliminate offensive odors caused by mold and mildew.
- This product (controls) (reduces) (eliminates) (destroys) odors to make your home (kitchen) (bathroom) sanitary.
- This product is effective against household odors caused by animal waste, septic tank or sewage backup, smoke and bathroom and kitchen odors.

## **(Public Health) MARKETING CLAIMS**

*{Note to reviewer: Marketing claims may appear anywhere on the label. Use of individual Use Sites and/or Surfaces where noted are optional and can be utilized consistent with the applicable use site specific Directions for Use.}*

### **DISINFECTION CLAIMS**

- Disinfectant
- \*Virucide
- Effective in the presence of 5% serum contamination
- Formulated for Effective Farm Premise Sanitation
- Formulated for Effective Poultry Premise Sanitation
- Formulated for Effective Swine Premise Sanitation
- Formulated for Effective Mushroom Farm Sanitation
- Formulated for Effective Veterinary Practice/Animal Care/Animal Laboratory Disinfection
- BTC<sup>®</sup> 2125M 10% Solution is designed for use in {insert Use Site from Table} where disinfection, sanitization and deodorization is of prime importance.
- When used as directed, this product is formulated to disinfect hard, non-porous, inanimate environmental surfaces: {insert Use Site or Surface from Table}.
- This product has been formulated to aid in the reduction of cross-contamination on treated surfaces not only in hospitals, but in schools, institutions and industry.
- Kills (99.9%<sup>1</sup>) (of) (household) (bacteria) (viruses\*) (and) (fungi) (germs\*\*) (on hard, non-porous surfaces)
- (Kills)(disinfects against){insert pathogen from DISINFECTION heading in the Micro-Organism table}
- When used as directed, this product is a concentrated Hospital Use disinfectant that is an effective broad spectrum disinfectant.
- This product is a versatile Disinfectant for Veterinarian, Animal Care and Agricultural premises.
- This product is a complete, chemically balanced disinfectant/sanitizer that provides clear use-solutions even when diluted in hard water.
- This product is for use as a hard, non-porous surface hospital disinfectant at 547 ppm active quaternary and as a general disinfectant at 469 ppm active quaternary.
- This product is a versatile broad spectrum disinfectant formulated for use in Ultrasonic Baths (Ultrasonic cleaning units).
- This product is a versatile cleaner and broad spectrum disinfectant<sup>1</sup> formulated for use on bath and therapy equipment (Whirlpools).
- This product is an effective antimicrobial cleaner designed for use by wholesale and retail florists, shippers and



greenhouses.

- When used as directed, this product will disinfect hard, non-porous surfaces such as flower buckets, floors, walls of room temperature coolers, design and packing benches and countertops.
- Use this product to clean, disinfect and deodorize<sup>1</sup> flower buckets, walls and floors of room temperature coolers, shippers, greenhouse packing areas, garbage pails and other areas where obnoxious odors develop.
- This product may be used as a general purpose antimicrobial detergent in florist shops, wholesale florists, shippers, greenhouse packing areas and other commercial floriculture places for efficient cleaning and antimicrobial action against certain bacteria which cause:
  - Plugging of stems with slime, which reduces uptake of water for various sensitive flowers including roses, chrysanthemums, gladioli and tulips.
  - Production of ethylene gas, which may injure blooms of the various sensitive flowers including carnations, snapdragons, some orchids, baby's breath, sweet peas, freesia and alstroemeria.
- This product is recommended for Poultry Premise Disinfection (Hatcheries), Egg Receiving Areas, Egg Holding Areas, Setter Room, Tray Dumping Area, Trays, Buggies, Racks, Egg Flats, Chick Holding room, Poultry Buildings, Ceilings, Sidewalls and Floors, Drinkers, and all other Poultry House related Equipment, and all other hard, non-porous surfaces in the Hatchery Environment.
- Use this product for Swine Premise Disinfection: Waterers and Feeders, Hauling Equipment, Dressing Plants, Loading Equipment, Farrowing Barns and Areas, Nursery, Blocks, Creep Area, Chutes.
- This product was tested according to (the) AOAC Use Dilution [(Method) (Standards) for hospital disinfectants.
- **KILLS HIV-1, HBV and HCV ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings (hospitals, nursing homes) or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1 (HIV-1) (associated with AIDS), Hepatitis B virus (HBV) and Hepatitis C virus (HCV).
- **EFFICACY TESTS HAVE DEMONSTRATED THAT THIS PRODUCT IS AN EFFECTIVE BACTERICIDE AND VIRUCIDE\* IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).**
- (This Product) (Product Name) (Kills) (is) (Effective against) (Eliminates 99.9%<sup>1</sup>) (of) (has demonstrated effectiveness against) the virus that causes COVID-19<sup>2</sup> on hard non-porous surfaces (in) (just) (30 seconds) (!)
- (This Product) (Product Name) (Kills) (is) (Effective against) (Eliminates 99.9%<sup>1</sup>) (of) (has demonstrated effectiveness against) SARS-CoV-2 (the Coronavirus that causes COVID-19) on hard non-porous surfaces (in) (just) (30 seconds) (!)
- (This Product) (Product Name) (Kills) (is) (Effective against) (Eliminates 99.9%<sup>1</sup>) (of) (has demonstrated effectiveness against) SARS-CoV-2, which causes COVID-19<sup>2</sup> on hard non-porous surfaces (in) (just) (30 seconds) (!)
- (This Product) (Product Name) (Kills) (is) (Effective against) (Eliminates 99.9%<sup>1</sup>) (of) (has demonstrated effectiveness against) SARS-Related Coronavirus 2 (SARS-CoV-2) (USA-WA1/2020) (causative agent of COVID-19) (the virus that causes COVID-19) on hard non-porous surfaces (in) (just) (30 seconds) (!)
- (This Product) (Product Name) (Kills) (is) (Effective against) (Eliminates 99.9%<sup>1</sup>) (of) (has demonstrated effectiveness against) SARS-CoV-2 virus (COVID-19 illness) responsible for the severe acute respiratory (syndrome) (COVID-19) (disease) (outbreak) (epidemic) (pandemic) on hard non-porous surfaces (in) (just) (30 seconds) (!)
- (This Product) (Product Name) Disinfects hard non-porous surfaces by killing (99.9%<sup>1</sup>) (of) the virus that causes COVID-19<sup>2</sup>
- (This Product) (Product Name) Disinfects hard non-porous surfaces by killing (99.9%<sup>1</sup>) (of) (SARS-CoV-2) (the Coronavirus that causes COVID-19)
- (This Product) (Product Name) Disinfects hard non-porous surfaces by killing (99.9%<sup>1</sup>) (of) SARS-CoV-2, which causes COVID-19<sup>2</sup>
- (This Product) (Product Name) Disinfects hard non-porous surfaces by killing (99.9%<sup>1</sup>) (of) SARS-Related Coronavirus 2 (SARS-CoV-2) (USA-WA1/2020) (causative agent of COVID-19) (the virus that causes COVID-19)
- (This Product) (Product Name) Disinfects hard non-porous surfaces by killing (99.9%<sup>1</sup>) (of) SARS-CoV-2 virus (COVID-19 illness) responsible for the severe acute respiratory (COVID-19) (syndrome) (disease) (outbreak) (epidemic) (pandemic)
- (This Product) (Product Name) (Kills) (is) (Effective against) (Eliminates 99.9%<sup>1</sup>) (of) (has demonstrated effectiveness against) the virus that causes COVID-19<sup>2</sup> on hard non-porous surfaces
- (This Product) (Product Name) (Kills) (is) (Effective against) (Eliminates 99.9%<sup>1</sup>) (of) (has demonstrated effectiveness against) SARS-CoV-2 (the Coronavirus that causes COVID-19) on hard non-porous surfaces
- (This Product) (Product Name) (Kills) (is) (Effective against) (Eliminates 99.9%<sup>1</sup>) (of) (has demonstrated effectiveness against) SARS-CoV-2, which causes COVID-19<sup>2</sup> on hard non-porous surfaces

Bracketed information is denoted as: { insert as noted }, ( optional text ), [ required qualifier ], <note>.

The term "this product" used throughout this document may be replaced with the marketed product brand name.

The term "x" is a place holder for numerical digits.

Punctuation and plural/singular word forms may be adjusted to allow for grammatical correctness.

Appropriate metric or imperial unit conversion may be added as optional supplemental information.

- (This Product) (Product Name) (Kills) (is) (Effective against) (Eliminates 99.9%<sup>1</sup>) (of) (has demonstrated effectiveness against) SARS-Related Coronavirus 2 (SARS-CoV-2) (USA-WA1/2020) (causative agent of COVID-19) (the virus that causes COVID-19<sup>2</sup>) on hard non-porous surfaces
- This Product (Product Name) (Kills) (is) (Effective against) (Eliminates 99.9%<sup>1</sup>) (of) (has demonstrated effectiveness against) SARS-CoV-2 virus (COVID-19 illness) responsible for the severe acute respiratory (COVID-19) (syndrome) (disease) (outbreak) (epidemic) (pandemic) on hard non-porous surfaces
- (This Product) (Product Name) Kills (99.9%<sup>1</sup> of) SARS-CoV-2, which causes COVID-19<sup>2</sup> on hard non-porous surfaces (in) (just) (30 seconds) (!)
- (This Product) (Product Name) Kills (is) (Effective against) the virus that causes COVID-19<sup>2</sup> on hard non-porous surfaces (in) (just) (30 seconds) (!)
- (This Product) (Product Name) Kills SARS-CoV-2 (COVID-19 virus) (virus) on hard non-porous surfaces (in) (just) (30 seconds) (!)
- (This Product) (Product Name) (is) Effective against SARS-CoV-2 (COVID-19 virus) on hard non-porous surfaces (in) (just) (30 seconds) (!)
- (This product) (Product Name) is a broad-spectrum, hard non-porous surface disinfectant that has been shown to be effective against SARS-CoV-2 (COVID-19 virus tested and listed on the label)

## **SANITIZATION CLAIMS**

- Sanitizer
- (An effective sanitizer)(sanitizes) against {insert pathogen from SANITIZATION headings in Micro-Organism Table}
- This product is for use for the sanitization of shell eggs intended for food in shell egg and egg product processing plants when used as directed.
- This product is for use as a Hatching-Egg sanitizer, with best results achieved in water temperatures ranging from 78°-110°F.
- This product is for use as a sanitizer on dishes, glassware, utensils and dairy processing equipment at 200-400 ppm active quaternary without potable water rinse.
- This product is for use as a sanitizer in public eating establishments, dairies and on food processing equipment at 200-400 ppm active quaternary without potable water rinse.
- This product is for use as a sanitizer on bottling and beverage dispensing equipment. This product is for use as a sanitizer in sanitary filling of bottles and cans.
- This product is for use as a sanitizer for bottles or cans in the final rinse application and for external spraying of filling and closing machines.
- This product is for use as a sanitizer on beer fermentation and holding tanks.
- At 1 fluid ounce per 4 gallons of water, this sanitizer fulfills the criteria of Appendix F of the Grade A Pasteurized Milk Ordinance 1978 Recommendations of the U. S. Public Health Services in waters up to 650 ppm of hardness calculated as CaCO<sub>3</sub> when evaluated by the AOAC Germicidal and Detergent Sanitizer Method against Escherichia coli and Staphylococcus aureus.
- Use this product to sanitize and disinfect non-porous salon/barber tools and instruments: combs, brushes, scissors, blades, and manicure instruments.
- This product was tested according to AOAC Germicidal & Detergent [(methods) (standards)] for sanitizing previously cleaned food-contact surfaces.
- This product is an effective sanitizer for use on food contact surfaces in 60 seconds at 200-400 ppm active quaternary against Staphylococcus aureus, Escherichia coli, Escherichia coli O157:H7, Yersinia enterocolitica, Listeria monocytogenes, Salmonella typhi, Shigella sonnei, Vibrio cholera, Methicillin resistant Staphylococcus aureus (MRSA), Vancomycin resistant Enterococcus faecalis (VRE), Campylobacter jejuni and Klebsiella pneumoniae.
- Regular, effective cleaning and sanitization of equipment, utensils and work or dining surfaces that could harbor microorganisms minimizes the probability of contaminating food during preparation, storage or service. Effective cleaning will remove soil to prevent the accumulation of food residues, which may decompose or support the rapid development of organisms which cause food poisoning. Application of effective sanitization procedures reduces the number of organisms that may be present on equipment and utensils after cleaning. Effective sanitization reduces the potential for the transfer of organisms, either directly through tableware such as glasses, cups and flatware or indirectly through food.
- To prevent cross-contamination, kitchenware and equipment food contact surfaces must be washed, rinsed with potable water and sanitized after each use and following any interruption of operation during which time contamination may have occurred.

Bracketed information is denoted as: { insert as noted }, ( optional text ), [ required qualifier ], <note>.

The term "this product" used throughout this document may be replaced with the marketed product brand name.

The term "x" is a place holder for numerical digits.

Punctuation and plural/singular word forms may be adjusted to allow for grammatical correctness.

Appropriate metric or imperial unit conversion may be added as optional supplemental information.

- Where equipment and utensils are used for the preparation of foods on a continuous production-line basis, utensils and equipment food-contact surfaces must be washed, rinsed with potable water and sanitized at intervals throughout the day on a schedule based on food temperature, type of food, and the amount of food particle accumulation.
- Sanitization of public eating establishment and dairy food contact surfaces is regulated under 40CFR180.940.
- 

Front Panel Claim	Corresponding (Back)(Side) Panel Claim
Kills 99.999% of bacteria in 60 seconds	(This product) (product name) is an effective sanitizer for use on food contact surfaces in 60 seconds at 200-400 ppm active quaternary against Escherichia coli, Escherichia coli O157:H7, Staphylococcus aureus, Yersinia enterocolitica, Listeria monocytogenes, Salmonella typhi, Shigella sonnei (ATCC 11060), Vibrio cholera, Methicillin resistant Staphylococcus aureus (MRSA), Vancomycin resistant Enterococcus faecalis (VRE), Campylobacter jejuni and Klebsiella pneumoniae.
Formulated for third sink <sup>11</sup>	<sup>11</sup> Formulated for 3rd sink food contact surface sanitization
Make 512 gallons <sup>#</sup>	<sup>#</sup> 1 gallon makes 512 gallons of food contact surface sanitizer solution

## **FUNGI CLAIMS**

- MILDEWSTAT (on hard non-porous, inanimate surfaces)
- Use this product on multi-touch surfaces responsible for cross-contamination. This product is effective at controlling odor causing mold and mildew on shower curtains.

## **CLAIM QUALIFIERS**

\*\*Kills Staphylococcus aureus, Salmonella enterica, Listeria monocytogenes, Yersinia enterocolitica, Pseudomonas aeruginosa, Vancomycin intermediate resistant Staphylococcus aureus (VISA), Influenza A<sub>2</sub> Virus, Herpes Simplex Virus Type 1, Adenovirus Type 5, Vaccinia Virus, Avian Influenza A Virus, Human Immunodeficiency Virus Type 1 (HIV-1), Newcastle Disease Virus, Laryngotracheitis Virus, Hepatitis B Virus (HBV), Hepatitis C Virus (HCV), Bovine Viral Diarrhea Virus (BVDV), SARS associated Coronavirus, Porcine Respiratory & Reproductive Syndrome Virus (PRRSV), Human Coronavirus, and SARS-CoV-2.

<sup>1</sup> When used according to disinfection directions

<sup>2</sup> SARS-Related Coronavirus 2

<sup>3</sup> Allow refrigerated storage and surfaces to come up to room temperature prior to treatment

\* (This symbol will connect to the specific viruses claimed for the product.)

## DIRECTIONS FOR USE

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

*{Note to reviewer: This product can be used optionally as a general deodorizer and cleaner, non-food contact sanitizer, disinfectant, virucide, mildewstat, and food contact sanitizer. Directions for use for each of those use patterns can be included optionally depending on the desired content of the final marketed label or supplemental distributor label.}*

*{Note to Reviewer: For labels that list medical premises and metal and/or stainless steel surfaces, one of the following statements must be used:}*

- This product is not to be used as a terminal sterilant/high-level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body.

OR

- This product is not for use on critical and semi-critical medical device surfaces.

**GENERAL DEODORIZATION (and Cleaning):** Add 3 fluid ounces of (this product or product name) to 5 gallons of water (or equivalent use dilution) (469 ppm active quat). Let air dry. Surfaces which may contact food must be rinsed thoroughly with potable water after use.

*{Note to Reviewer: Application Specific Deodorizing and Cleaning Directions for Use as Noted in the Header for each Section Below are Optional.}*

- **For Deodorizing Garbage Cans, Garbage Trucks, Industrial Waste Receptacles and Garbage Handling Equipment:** It is especially important to pre-clean for this product to perform properly. Apply a wetting concentration of 3.25 fluid ounces of (this product or product name) per gallon of water (or equivalent use dilution) (2500 ppm active quaternary).
- **For Odors Caused by Dogs, Cats and Other Domestic Animals:** Use on rugs, floors, walls, tile, cages, litter boxes, mats, floor coverings or any surface soiled by a pet. Test a small inconspicuous area first. Blot problem area. Then follow directions for "General Deodorization".
- **Cleansing of Body Surfaces and Body Orifices of Human Remains.** To cleanse away skin secretions and accompanying malodor, to insure the removal of all soil and bloodstains, and to remove and reduce surface contamination, apply 3.5 fluid ounces of (this product or product name) to 5 gallons of water (or equivalent dilution) (547 ppm active quaternary) to the surfaces and body openings, natural or artificial. Allow 10 minute contact time for optimal results. Bathe the entire body using sponge or washcloth. A soft brush may be employed on surfaces other than the face. Prepare a fresh solution for application to each remains.
- **Drain Cleaning:** For cleaning drains, dilute 1.25 fluid ounces of (this product) (product name) per one gallon of water. Pour solution down drain being sure to coat all sides of drainpipe. Allow all treated surfaces exposed to solution to air dry.
- **Cleansing Aids:** For cleaning plastic brooms, brushes, squeegees, wet/dry vacuums and condensate removal equipment, dilute 1.25 fluid ounces of (this product) (product name) per one gallon of water to provide 1000 ppm active quaternary. The cleaning aids should either be stored dry or in a use-solution of (this product) (product name) of 1000 ppm active quaternary.
- **Boot Cleaning:** Wash, foam or coarse spray boots with solution of 1.25 fluid ounces of (this product) (product name) per one gallon of water. Allow all treated surfaces to air dry. Change solution daily or when solution becomes visibly dirty. For use with non-porous water-resistant boots.

### **NON-FOOD CONTACT SURFACE SANITIZATION DIRECTIONS:**

(This product is an effective sanitizer for pre-cleaned, hard, inanimate, non-porous surfaces(:) (such as {Insert Surface from Table}.) A sanitizer use-solution of (0.3 fl oz. per gallon of water)(1.2 fl oz. per 4 gallons of water)(3 fl ozs. per 10 gallons of water)(6 fl ozs. per 20 gallons of water) (234 ppm active quaternary) (or equivalent dilution) will kill (99.9%) of *Klebsiella pneumoniae* (ATCC 4352), *Staphylococcus aureus* (ATCC 6538) and *Listeria monocytogenes* (ATCC 35152).

- Sanitization will occur only on pre-cleaned surfaces. The sanitizer use-solution can be applied to pre-cleaned, hard, inanimate, non-porous surfaces with a cloth, sponge, mop, sprayer or by flooding or immersion.
- For sprayer applications, use a coarse (mist) pump or trigger sprayer. Spray 6-8 inches from the

Bracketed information is denoted as: { insert as noted }, ( optional text ), [ required qualifier ], <note>.

The term "this product" used throughout this document may be replaced with the marketed product brand name.

The term "x" is a place holder for numerical digits.

Punctuation and plural/singular word forms may be adjusted to allow for grammatical correctness.

Appropriate metric or imperial unit conversion may be added as optional supplemental information.

surface. Rub with brush, sponge or cloth. Do not breathe spray (mist).

- Treated surfaces must remain visibly wet for 30 seconds (1/2 minute) and (wiped with a sponge) (wiped with a mop) (wiped with a cloth) (and/or) (allowed to air dry).

**NOTE:** With spray applications, cover or remove all food products.

{Note to Reviewer: Application Specific Non-Food Contact Sanitization Directions for Use as Noted in the Header for each Section Below are Optional.}

- **Shoe bath sanitizer directions:** To reduce cross contamination between treated surfaces in animal areas, and the packaging and storage areas of food plants, shoe baths containing one inch of freshly made use-solution should be placed at all entrances to buildings, hatcheries and all entrances to the production and packaging rooms. Scrape waterproof shoes and place in a 0.25 fluid ounce of (this product or product name) per gallon of water (or equivalent use dilution) (200 ppm active solution) for 60 seconds prior to entering area. Change use-solution in the bath daily or sooner if use-solution appears dirty.
- **Shoe foam sanitizer directions:** To reduce cross contamination between treated surfaces 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 to 1.5 fluid ounces per gallon of water (or equivalent use dilution) (800 to 1200 ppm active quaternary) 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 for 60 seconds prior to entering area. Foam area should be washed and replaced daily or when it appears dirty.
- **To sanitize barber/salon instruments and tools:** Immerse pre-cleaned barber/salon instruments and tools (combs, brushes, razors, scissors, blades and manicure instruments) in a use-solution of 1 fluid ounce of (this product or product name) per 4 gallons of water (or equivalent dilution) for at least 60 seconds (one minute). Rinse thoroughly and dry before use. Prepare a fresh solution daily or more often if solution becomes visibly cloudy or soiled.

**NOTE:** Plastics may remain immersed until ready to use. Stainless steel shears and instruments must be removed after 10 minutes, rinsed, dried and kept in a clean, non-contaminated receptacle. Prolonged soaking may cause damage to metal instruments.
- **Entryway Sanitizing Systems:** To reduce cross contamination from area to area, set the system to deliver (0.51 to 1.02 fluid ounces per gallon of water) (or equivalent use dilution) (400 to 800 ppm active quaternary) of sanitizing solution. The (spray) (foam) should 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 additives to the sanitizing solution.

**DISINFECTION** - For visibly soiled areas, a pre-cleaning step is required. Prepare a fresh solution for each use. To disinfect inanimate, hard non-porous surfaces apply use-solution with mop, cloth, sponge, low pressure coarse sprayer or hand pump trigger sprayer so as to wet all surfaces thoroughly. Allow to remain visibly wet for 10 minutes, then remove excess liquid. Surfaces which may contact food must be rinsed thoroughly with potable water after use.

For low pressure coarse sprayer and hand pump trigger sprayer applications, spray 6-8 inches from the surface; rub with brush, sponge or cloth. Do not breathe spray.

**NOTE:** For spray applications, cover or remove all food products.

{Note to Reviewer: At a minimum, "General Disinfection" dilution instructions should be included if Disinfection marketing claims are utilized. All other sections are optional or should be utilized as noted.}

- **GENERAL DISINFECTION** - Add 3 fluid ounces of this product per 5 gallons of water (or equivalent dilution) for disinfection against *Staphylococcus aureus*, *Salmonella enterica*, *Listeria monocytogenes*, and *Yersinia enterocolitica*.

{Note To Reviewer: The general disinfection dilution chart below is optional and may be used in addition to the GENERAL DISINFECTION directions above.}

**General Disinfectant/Non-Medical Dilution Chart**

Product Amount (fluid ounces)(fl oz)	Water Volume
0.15	1.0 (quart)(qt)
0.3	0.5 (gallon)(gal)
0.6	1.0 (gallon)(gal)
1.5	2.5 (gallons)(gal)
3.0	5.0 (gallons)(gal)
6.0	10.0 (gallons)(gal)
(Or Equivalent Dilution)	x (gallons)(gal)

- {Note to Reviewer: "Hospital Disinfection" dilution instructions should be utilized if Hospital/Healthcare Disinfection marketing claims or use sites are utilized on the final marketed label. All other sections are optional.}
- **HOSPITAL DISINFECTION** - Add 3.5 fluid ounces of (this product or product name) per 5 gallons of water (or equivalent dilution) for disinfection against Pseudomonas aeruginosa and Vancomycin intermediate resistant Staphylococcus aureus (VISA), as well as the organisms listed under the GENERAL DISINFECTION section.

{Note To Reviewer: The hospital disinfection dilution chart below is optional and may be used in addition to the HOSPITAL DISINFECTION directions above.}

**Hospitals and other Health Care Institutions Disinfection and Virucide\* Dilution Chart**

Product Amount (fluid ounces)(fl oz)	Water Volume
0.175	1.0 (quart)(qt)
0.35	0.5 (gallon)(gal)
0.7	1.0 (gallon)(gal)
1.75	2.5 (gallons)(gal)
3.5	5.0 (gallons)(gal)
7.0	10.0 (gallons)(gal)
(Or Equivalent Dilution)	x (gallons)(gal)

- **\*VIRUCIDAL ACTIVITY** - This product, when used on environmental, inanimate, hard non-porous surfaces at 3.5 fluid ounces per 5 gallons (or equivalent dilution) of water exhibits effective virucidal activity against Influenza A<sub>2</sub> Virus (representative of the common flu virus), Herpes Simplex Virus Type 1 (causative agent of fever blisters), Adenovirus Type 5 (causative agent of upper respiratory infections), Vaccinia Virus (representative of the pox virus group), Avian Influenza A Virus (causative agent of an acute avian lower respiratory tract infection), HIV-1 (Human Immunodeficiency Virus Type 1), Newcastle Disease Virus, Laryngotracheitis Virus, Hepatitis B Virus (HBV), Hepatitis C Virus (HCV), Bovine Viral Diarrhea Virus (BVDV), Human Coronavirus (ATCC VR-740, Strain 229E), Porcine Respiratory & Reproductive Syndrome Virus (PRRSV) (Strain NVSL) and SARS associated Coronavirus.

- o {Note to Reviewer: required if making an HIV, HBV, and/or HCV claim on the product label}

**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HBV and HCV OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.**

**PERSONAL PROTECTION:** When handling items soiled with blood or body fluids use disposable latex gloves, gowns, masks, and eye coverings.

**CLEANING PROCEDURES:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of this product.

**CONTACT TIME:** Allow surface to remain visibly wet for 10 minutes.

**DISPOSAL OF INFECTIOUS MATERIALS:** Blood and other body fluids must be autoclaved and disposed of according to local regulations for infectious waste disposal.

- o {Note to Reviewer: required if making SARS-CoV-2 marketing claim}

**SARS-CoV-2 ACTIVITY:** At 2 fluid ounces per gallon of water (or equivalent dilution) this

Bracketed information is denoted as: { insert as noted }, ( optional text ), [ required qualifier ], <note>. The term "this product" used throughout this document may be replaced with the marketed product brand name. The term "x" is a place holder for numerical digits. Punctuation and plural/singular word forms may be adjusted to allow for grammatical correctness. Appropriate metric or imperial unit conversion may be added as optional supplemental information.

product (product name) is an effective virucide against the following viruses on hard non-porous environmental surfaces: SARS-CoV-2 after 30 seconds.

- **MILDEWSTAT:** To control mold and mildew on pre-cleaned, hard, non-porous surfaces add 3 fluid ounces of this product per 5 gallons of water. Apply solution with a cloth, mop, sponge, or hand pump trigger sprayer making sure to visibly wet all surfaces completely. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals or when mildew growth appears. Surfaces which may contact food must be rinsed thoroughly with potable water after use.

- o *{Note to Reviewer: required if making surface specific marketing claim as noted in header}*

**To Control Mold and Mildew on Large, Inflatable, Non-Porous Plastic and Rubber Structures (animals, promotional items, moonwalk, slides, obstacle course play equipment, exercise equipment, and wrestling mats):** Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution of 3 fluid ounces of (this product or product name) per 5 gallons of water (0.6 fluid ounce per gallon of water) (469 ppm active quaternary) (or equivalent dilution) for a period of 10 minutes. Ventilate buildings and other closed spaces. Do not use equipment until treatment has been absorbed, set or dried.

*{Note to Reviewer: Application Specific Disinfection Directions for Use as Noted in the Header for each Section Below are Optional.}*

- **Non-acid toilet bowl and urinal disinfectant directions:** Remove visible soil prior to disinfecting.
  - o **From concentrate:** Add 0.6 fluid ounce per gallon to the toilet bowl and mix. Brush thoroughly over exposed surfaces and under the rim, allow to remain visibly wet for 10 minutes and flush. (For heavy duty use: Add 2.4 fluid ounces per gallon to the toilet bowl and mix. Brush or swab thoroughly under the rim with a cloth, mop, sponge, or sprayer, allow to stand for 10 minutes and flush.)

- o *{Note to reviewer: The use-solution language below may be used in addition to the concentrate directions above, but is optional}*

- o **From use-solution:** Empty toilet bowl or urinal and apply a use-solution of 0.6 fluid ounces per gallon of water (or equivalent dilution) to exposed surfaces including under the rim with a cloth, mop, sponge or hand pump trigger sprayer. Brush or swab thoroughly, then allow to remain visibly wet for 10 minutes and flush.
- **To disinfect food processing premises:** floors, walls, and storage areas, add 3 fluid ounces of this product per 5 gallons of water (or equivalent dilution). For visibly soiled areas, a pre-cleaning step is required. Apply solution with a mop, cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. Allow to remain visibly wet for 10 minutes, then remove excess liquid. Before using this product, food products and packaging materials must be removed from the area or carefully protected. After use, all surfaces in the area must be thoroughly rinsed with potable water.
- **To disinfect (food service establishment) (or) (restaurant) food contact surfaces:** floors, walls, storage areas, countertops, outside of appliances, and tables, add 3 fluid ounces of this product per 5 gallons of water (or equivalent dilution). For visibly soiled areas, a pre-cleaning step is required. Apply solution with a cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. Allow the surface to remain visibly wet for 10 minutes, then remove excess liquid and rinse the surface with potable water. Do not use on utensils, dishes, glasses or cookware.
- **Disinfecting potato storage area and equipment:** Remove all potatoes prior to disinfection of potato storage area or equipment. Pre-clean hard surfaces by removing visible soil or filth. Follow general disinfection (3 fl oz. per 5 gal of water) procedure described above. All treated surfaces must be thoroughly rinsed with potable water prior to reuse.
- **For use as a general disinfectant on brewery premises (non-food contact surfaces):** Floors, walls, and storage areas, add 3 fluid ounces of (this product or product name) per 5 gallons of water (or equivalent dilution). For visibly soiled areas, a pre-cleaning step is required. Apply use-solution with a mop, cloth, sponge, low pressure coarse sprayer or hand pump trigger sprayer so as to wet all surfaces thoroughly. Allow to remain visibly wet for 10 minutes, then remove excess liquid. Before using product, food products (beer, wort, hops, mash, grain, brew ingredients) must be removed from the area or carefully protected. After use, all surfaces must be thoroughly rinsed with potable water.

- **Ultrasonic bath disinfectant directions:** Use (this product or product name) to disinfect hard, non-porous, non-critical instruments/objects compatible with Ultrasonic cleaning units. Pour fresh use-solution of 3.5 fluid ounces per 5 gallons of water (or equivalent dilution) directly into bath chamber. Pre-clean soiled objects. Place objects into unit and operate for a minimum of 10 minutes, according to manufacturer's use directions. Remove objects and rinse with sterile water (sterile water for injection), or allow to air dry. Prepare a fresh solution for each use.
- **Whirlpool bath disinfection directions:** After using whirlpool unit, drain and fill with a use-solution of 3.5 fluid ounces of (this product or product name) per 5 gallons of water (or equivalent dilution) to just cover the intake valve. Start pump to circulate solution. Wash down the unit sides, seat of the chair lift, and any related equipment with a clean swab, brush or sponge. Treated surfaces must remain visibly wet for 10 minutes. After the unit has been thoroughly disinfected, drain the solution from the unit and rinse disinfected surfaces with fresh water. Repeat for visibly soiled units.
- **Commercial Florist Use Directions:** To clean, disinfect and deodorize<sup>1</sup> hard non-porous surfaces in one step, prepare use-solution by adding (mixing) 3.5 fluid ounces per 5 gallons of water (or equivalent dilution). For heavy-duty use, add (mix) 4 fluid ounces per gallon of water.
  - o Remove all leaves, petals, garbage and refuse. Pre-clean surfaces using pressurized water where possible. Apply use-solution to hard (inanimate) non-porous surfaces thoroughly wetting surfaces as recommended and required, with a cloth, mop, brush, sponge, hand pump trigger sprayer or low pressure coarse sprayer.
  - o For visibly soiled areas, a preliminary cleaning is required.
  - o For sprayer applications, spray 6-8 inches from surface; rub with brush, sponge or cloth. Do not breathe spray mist.
  - o Treated surfaces must remain visibly wet for 10 minutes. Allow to air dry.
  - o Prepare a fresh solution at least daily or sooner if use-solution becomes visibly dirty.
- **Disinfection of poultry/turkey equipment, swine quarters, animal quarters and kennels:** For disinfection of pre-cleaned poultry equipment (brooders, watering founts, feeding equipment), animal quarters and kennels, apply a use-solution of 3.5 fluid ounces of (this product or product name) per 5 gallons of water (or equivalent dilution). Remove all poultry, animals, and feed from premises, trucks, coops, and crates. Remove all litter and droppings from floors, walls and surfaces of facilities occupied or traversed by poultry or animals. Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate the surfaces with the disinfecting solution for a period of 10 minutes. 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. Ventilate building, coops, and other closed spaces. Do not house poultry or animals or employ equipment until treatment has been absorbed, set or dried. All treated equipment that will contact feed or drinking water must be rinsed with potable water before reuse.
- **Hatcheries:** To disinfect and provide virucidal\* activity, use 3.5 fluid ounces of (this product or product name) per 5 gallons of water (or equivalent dilution). Apply to hatcheries, setters, trays, racks, carts, sexing tables, delivery trucks and other hard, non-porous surfaces. Leave all treated surfaces exposed to the use-solution for a minimum of 10 minutes and allow to air dry. For visibly soiled areas, a pre-cleaning step is required.
- **Vehicles:** Clean all vehicles including mats, crates, cabs and wheels with high pressure water and (this product or product name). For spray applications use a coarse spray device. Use 3.5 fluid ounces of (this product or product name) per 5 gallons of water (or equivalent dilution) for disinfection and virucidal\* activity. Leave all treated surfaces exposed to the use-solution for a minimum of 10 minutes and allow to air dry.
- **Dressing plant disinfectant/virucidal\* directions:** Apply a use-solution of 3.5 fluid ounces per 5 gallons of water (or equivalent dilution) to equipment, utensils, walls and floors in poultry and animal dressing plants. Equipment and utensils must remain visibly wet for a minimum of 10 minutes then thoroughly rinsed with potable water before resuming operations. Disinfect all rooms, exterior walls and loading platforms of dressing plants. For visibly soiled areas, a pre-cleaning step is required.
- **Farm premise disinfection:** For use in Equine, Dairy and Hog Farms.
  1. Remove all animals and feed from premises, vehicles and enclosures.



2. Remove all litter and manure from floors, walls and surfaces of barns, pens, chutes and other facilities and fixtures occupied or traversed by animals.
  3. Empty all troughs, racks and other feeding and watering appliances.
  4. Thoroughly clean all surfaces with a compatible soap or detergent and rinse with potable water.
  5. Saturate all hard, non-porous surfaces with a use-solution of 3.5 fluid ounces per 5 gallons of water (or equivalent dilution) and allow to remain visibly wet for a minimum of 10 minutes.
  6. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels, and scrapers used in removing litter and manure.
  7. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set and dried.
  8. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with a compatible soap or detergent and rinse with potable water before reuse.
- **Veterinary clinics/animal life science laboratory/pet shop/kennels/breeding and grooming establishments/tack shops disinfection directions:** For cleaning and disinfection of the following hard, non-porous surfaces: equipment not used for animal food or water, utensils, instruments, cages, kennels, stables and catteries. Remove all animals and feeds from premises, animal transportation vehicles, crates, etc. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Thoroughly clean all surfaces with a compatible soap or detergent and rinse with potable water. Saturate all hard, non-porous surfaces with a use-solution of 3.5 fluid ounces of (this product or product name) per 5 gallons of water (or equivalent dilution) for 10 minutes minimum. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Scrub all treated feed racks, automatic feeders, waterers and other equipment that dispenses food or water with a compatible soap or detergent and thoroughly rinse with potable water before reuse.
  - **Salon (barber) instruments and tools disinfection (bactericide/virucide\*) directions:** Mix 3.5 fluid ounces of (this product or product name) per 5 gallons of water (or equivalent dilution) to disinfect hard, non-porous instruments and tools. Completely immerse combs, brushes, rollers, razors, scissors, blades, manicure and other salon instruments and tools for 10 minutes. For visibly soiled instruments and tools, a preliminary cleaning is required. Rinse thoroughly and dry before use. Prepare a fresh solution daily or more often if the solution becomes visibly cloudy or soiled.
    - NOTE:** Plastics may remain immersed until ready to use. Stainless steel shears and instruments must be removed after 10 minutes, rinsed, dried and kept in a clean, non-contaminated receptacle. Prolonged soaking may cause damage to metal instruments.

## FOOD CONTACT SURFACE SANITIZATION DIRECTIONS:

**Sanitization:** Recommended for use in (restaurants,) (dairies,) (food processing plants,) (and) (bars).

- When used as directed this product is an effective sanitizer at an active quaternary concentration of 200-400 ppm when diluted in water up to 650 ppm hardness (CaCO<sub>3</sub>) against Escherichia coli (ATCC 11229), Escherichia coli O157:H7 (ATCC 43895), Staphylococcus aureus (ATCC 6538), Yersinia enterocolitica (ATCC 23715), Listeria monocytogenes (ATCC 35152), Salmonella typhi (ATCC 6539), Shigella sonnei (ATCC 11060), Vibrio cholera (ATCC 14035), Methicillin resistant Staphylococcus aureus (MRSA) (ATCC 33592), Vancomycin resistant Enterococcus faecalis (VRE) (ATCC 51299), and Campylobacter jejuni (ATCC 29428).
- *{Note to Reviewer: If Klebsiella pneumoniae is included, the following paragraph must be included.}*  
This product is an effective sanitizer against Klebsiella pneumoniae (ATCC 4352) at a 200 ppm active quaternary concentration when diluted in water up to 500 ppm hardness (CaCO<sub>3</sub>). At an active quaternary concentration of 300 ppm, it is an effective sanitizer against Klebsiella pneumoniae (ATCC 4352) when diluted in water up to 650 ppm hardness (CaCO<sub>3</sub>).
- Remove all visible food particles and soil from areas, which are to be sanitized, with a good detergent, pre-flush, pre-soak or pre-scrape treatment. Rinse with a potable water rinse.
- Prepare a 200-400 ppm active quaternary solution by adding 1-2 fluid ounces of this product to 4 gallons of water, 2.5-5 fluid ounces to 10 gallons of water or 5-10 fluid ounces to 20 gallons of water (or equivalent dilution).
- *{Note To Reviewer: The food contact sanitization dilution table below is optional and may be used in addition to or in place of*

the dilution information provided in the paragraph above.}

**To prepare a 200, 300 or 400 ppm active quaternary solution, use the following dilution table:**

Active Quat Solution	1 (Gallon)(Gal)	4 (Gallons)(Gal)	10 (Gallons)(Gal)	20 (Gallons)(Gal)
200 ppm	0.25 (fluid ounce)(fl oz)	1 (fluid ounce)(fl oz)	2.5 (fluid ounces)(fl oz)	5 (fluid ounces)(fl oz)
300 ppm	0.376 (fluid ounce)(fl oz)	1.5 (fluid ounces)(fl oz)	3.76 (fluid ounces)(fl oz)	7.5 (fluid ounces)(fl oz)
400 ppm	0.5 (fluid ounce)(fl oz)	2 (fluid ounces)(fl oz)	5 (fluid ounces)(fl oz)	10 (fluid ounces)(fl oz)

- Prepare a fresh solution daily or more frequently as soil is apparent.

*{Note to reviewer: Pick from the following application instruction options depending on the desired final market label. At least one of the following sections directing users on how to use or apply the use solution to the pre-cleaned surface must be utilized.}*

- **To sanitize pre-cleaned mobile food contact utensils** ( such as (drinking glasses,) ( dishes,) (eating utensils,) (knives,) (grinders,) (shredders,) (cleavers,) (and) (ladles)), immerse in a 200-400 ppm active quaternary solution for at least 60 seconds making sure to immerse completely. Remove items, drain the use-solution from the surface and air dry. Do not rinse.
- **To sanitize pre-cleaned food contact surfaces too large for immersion** (such as (counter(top)s,) (tables,) (finished wood or plastic cutting boards,) (tanks,) (finished wood or plastic chopping blocks,) (and) (conveyors)), apply a 200-400 ppm active quaternary solution with a cloth, sponge, low pressure coarse sprayer or hand pump trigger sprayer making sure that the surface remains completely visibly wet for at least 60 seconds. Drain the use-solution from the surface and let air dry. Do not rinse.
- **Sanitization of food processing equipment, utensils, and other food contact articles regulated under 40CFR180.940:**
  1. Scrape, flush, or pre-soak articles (whether mobile or stationary) to remove visible food particles and soil.
  2. Thoroughly wash articles with a compatible detergent or cleaner.
  3. Rinse articles thoroughly with potable water.
  4. Sanitize by immersing articles with a use-solution of 1-2 fluid ounces of this product (or trade name) per 4 gallons of water (or equivalent dilution) (200–400 ppm active quaternary) for at least 60 seconds. Articles too large for immersion should be thoroughly wetted by rinsing, spraying or swabbing.
  5. Remove immersed items from solution to drain and then let air dry. Non-immersed items must be allowed to air dry.
- **Sanitization of food processing equipment:** Equipment and utensils must be thoroughly pre-flushed or pre-scraped and when necessary pre-soaked to remove visible food particles. Clean and rinse equipment thoroughly, then apply sanitizing solution containing 1-2 fluid ounces of this product per 4 gallons of water (or equivalent use dilution) (200–400 ppm active quaternary). Allow surfaces to remain visibly wet for at least 60 seconds. No rinse is allowed.
- **To sanitize pre-cleaned dairy processing equipment** (tanks, piping, pasteurizers, milking equipment) (apply a 200-400 ppm active quaternary solution with a low pressure coarse sprayer) or (circulate a 200–400 ppm active quaternary solution throughout the equipment). Surfaces must remain visibly wet for at least 60 seconds, followed by adequate draining and air drying. Do notrinse.
- **Dairy cow sanitizer application directions:** The udders, flanks and teats of dairy cows can be washed with a solution of 1 fluid ounce of (this product or product name) in 4 gallons of warm water. Use a fresh towel for each cow. Avoid contamination of wash solution by dirt and soil. Do not dip used towel back into wash solution. When solution becomes visibly dirty, discard and provide freshsolution.
- **Sanitization of beverage dispensing equipment:**
  1. Wash equipment with a compatible detergent and rinse with potable water prior to sanitizing.
  2. Fill equipment with a use-solution of 0.25–0.5 fluid ounce of this product (or trade name) per gallon of water (or equivalent dilution).
  3. Allow use-solution to remain in equipment for at least 60 seconds.

4. Drain thoroughly and allow to air dry before reuse. Do not rinse with potable water.
- **To sanitize previously cleaned food-grade eggs** in shell egg and egg product-processing plants, spray with a solution of 1-2 fluid ounces of (this product or product name) in 4 gallons of warm water (200-400 ppm quat). The solution must be warmer than the eggs, but not to exceed 130°F. Wet eggs visibly for at least 60 seconds and allow to drain. Eggs sanitized with this product must be subjected to a potable water rinse only if they are broken immediately for use in the manufacture of egg products. Eggs must be reasonably dry before casing or breaking. The solution must not be reused for sanitizing eggs.

<This statement is required for marketing food contact sanitizers in Wisconsin.>

**WISCONSIN STATE DIVISION OF HEALTH**

**DIRECTIONS FOR EATING ESTABLISHMENTS**

1. Scrape and pre-wash utensils and glasses whenever possible.
2. Wash with a good detergent or compatible cleaner.
3. Rinse with clean water.
4. Sanitize in a solution of 1 fluid ounce to 4 gallons of water (200 ppm active quaternary). Immerse all utensils for at least two minutes or for contact time specified by governing sanitary code.
5. Place sanitized utensils on a rack or drain board to air dry.
6. Fresh sanitizing solution should be prepared at least daily or when visibly soiled or diluted.

**NOTE:** A clean potable water rinse following sanitization is not permitted under Section HFS 196.13 of the Wisconsin Administrative Code.

- **Sanitization of pre-cleaned sanitary filling equipment:** Prepare a use-solution of 0.25–0.5 fluid ounce of this product per gallon of water (or equivalent dilution) (200-400 ppm active quaternary) for final washer and rinse applications. Allow surfaces to remain visibly wet for at least 60 seconds. Drain thoroughly and allow to air dry before reuse. Do not rinse.
- **Sanitization of pre-cleaned beer fermentation and storage tanks:** Recommended for sanitization of beer fermentation and holding tanks, citrus and food processing storage and holding tanks. Prepare a use-solution of 0.25–0.5 fluid ounce of this product per gallon of water (or equivalent dilution) (200-400 ppm active quaternary) for mechanical or automated systems. Allow surfaces to remain visibly wet for at least 60 seconds. Drain thoroughly and allow to air dry before reuse. No rinse is allowed. For mechanical operations or automated systems, the used sanitizing solution may not be reused for sanitization.
- **For continuous treatment of meat and poultry or fruit and vegetable conveyors:** Remove visible food particles and excess soil by a pre-flush or pre-scrape, wash with a compatible detergent or cleaner. Rinse equipment thoroughly with potable water. Apply 1-2 fluid ounces of this product per 4 gallons of water (or equivalent use dilution) (200-400 ppm active quaternary) to conveyors with suitable feeding equipment. Do not allow this solution to be sprayed directly on food. Controlled volumes of the sanitizer solution are applied to return portion of conveyor through nozzles so located as to permit maximum drainage of sanitizer solution from equipment and to prevent puddles on top of belt. During interruptions in operation, use a low pressure coarse sprayer to apply a use-solution of 1-2 fluid ounces of this product per 4 gallons of water (or equivalent) (200-400 ppm active quaternary) to equipment, peelers, collators, slicers, and saws. Conveyor equipment should be free of product when applying this coarse spray. Allow surfaces to remain visibly wet for at least 60 seconds. No rinse is allowed.
- **Waterproof Glove Sanitizing Directions:** To reduce cross contamination between treated surfaces in processing areas of food plants, waterproof gloves should be sanitized prior to entering or re-entering those areas. Remove visible contamination from gloves before sanitizing; then place gloved hand in a use-solution of 1 to 2 fl oz. of this product per 4 gallons of water (or equivalent dilution) (200-400 ppm quat) for 60 seconds (1 minute). Change the use-solution in the bath at least daily

or more often if the solution appears visibly diluted or soiled.

- **Sanitization of Interior Hard, Non-Porous Surfaces of Water Softeners and Reverse Osmosis (RO) Units:**
  - o **Water Softeners:** Sanitization should occur after initial installation, after the system is serviced and periodically during its use.
    1. Backwash the softener and add 2 fluid ounces of sanitizer per 8 gallons of water (200 ppm active quaternary) to the brine tank well. (NOTE: standard system capacity is 48 gallons). (The brine tank should have water in it to permit the solution to be carried into the softener).
    2. Units/tanks must be washed with a compatible detergent and rinsed with potable water before sanitizing.
    3. Proceed with the normal regeneration or interrupt the cycle after the brining step and let the softener soak for a minimum of 60 seconds.
    4. Drain use-solution (sanitizing solution) from the unit.
  - o **Reverse Osmosis (RO) Units:** Sanitization should occur after initial installation, after the system is serviced and periodically during its use.
    1. Turn off RO system, drain storage tank and remove membrane element and pre-filters. Put membrane element in a plastic bag so it remains wet. Do not use this product to sanitize the membrane unit; it must be sterilized.
    2. Units/tanks must be washed with a compatible detergent and rinsed with potable water before sanitizing.
    3. Fill empty pre-filter housing with 2 fluid ounces of sanitizer per 8 gallons of water (200 ppm active sanitizer) and turn on raw water. (NOTE: standard system capacity is 1-2 gallons).
    4. After holding tank is full, let system stand idle for a minimum of 60 seconds. Turn off water. Drain holding tank.
    5. Follow the manufacturer's directions for re-installation of new pre-filters, membrane element and post filter.
- **Sanitization of Interior Hard, Non-Porous Surfaces of (Ice Machines,) (Water Coolers,) (Water Holding Tanks) (and) (Pressure Tanks)**
  - o **Ice Machines:** Sanitization should occur after initial installation, after the machine is serviced and periodically during its use. Allow to come to room temperature prior to sanitizing.
    1. Shut off incoming water line to machine.
    2. Units/tanks must be washed with a compatible detergent and rinsed with potable water before sanitizing.
    3. Prepare a solution of 2 fluid ounces of sanitizer per 8 gallons of water (200 ppm active quaternary).
    4. Circulate use-solution through machine making sure to visibly wet all surfaces and allow a minimum contact of 60 seconds.
    5. Drain the unit.
    6. Return machine to normal operation.
  - o **(Water Coolers,) (Water Holding Tanks) (and) (Pressure Tanks):** Sanitization should occur after initial installation, after the system is serviced and periodically during its use.
    1. Shut off incoming water line.
    2. Units/tanks must be washed with a compatible detergent and rinsed with potable water before sanitizing.
    3. Prepare a solution of 2 fluid ounces of sanitizer per 8 gallons of water (200 ppm active quaternary).
    4. Apply or circulate (if possible) to wet all surfaces and allow a minimum contact of 60 seconds.
    5. Drain the unit.
    6. Return to service by opening incoming water lines.

- {Note to Reviewer: This section is optional text to outline recommendations under the US Public Health Service FDA Food Code. This text may be used as instructional text for easy user reference, but it is not required.}

## U. S. PUBLIC HEALTH SERVICE FOOD SERVICE SANITIZATION RECOMMENDATIONS

**Cleaning and sanitizing:** Equipment and utensils must be thoroughly pre-flushed or pre-scraped and when necessary, pre-soaked to remove visible food particles and soil.

1. Thoroughly wash equipment and utensils in hot detergent solution.
2. Rinse utensils and equipment thoroughly with potable water.
3. Sanitize equipment and utensils by immersion in a use-solution of 1-2 fluid ounces of this product per 4 gallons of water (or equivalent dilution) for at least 60 seconds at a temperature of 75°F.
4. For equipment and utensils too large to sanitize by immersion, apply a use-solution of 1-2 fluid ounces of this product per 4 gallons of water (or equivalent dilution) by rinsing, spraying or swabbing until visibly wet.
5. Allow sanitized surface to drain and air dry. Do not rinse.

**{Note to Reviewer: The Following Non-Public Health Application Specific Use Directions as Noted in the Header for each Section Below are Optional. The following uses are not for Use in California. A note that states, "Not for Use in California," may be added to each section to support California final marketed label.}**

- **Directions for fogging dairies, beverage and food processing plants (Non-Public Health Use Only):** Prior to fogging, food products and packaging material must be removed from the room or carefully protected. After cleaning, fog desired areas using 1 quart per 1000 cubic feet of room area with a solution containing 1.5 fluid ounces of product to 1 gallon of water (1160 ppm active quaternary). Vacate the area of all personnel for a minimum of 2 hours after fogging. All food contact surfaces must be thoroughly rinsed with potable water before reuse.

**NOTE:** The fog generated is irritating to the eyes, skin and mucous membranes. Under no circumstances should a room or building be entered by anyone within two hours of the actual fogging. If the building must be entered, then the individuals entering the building must wear a self-contained respirator approved by NIOSH/MSHA, goggles, long sleeves and long pants.

**ALL SURFACES MUST BE CLEANED PRIOR TO FOGGING. FOGGING IS AN ADJUNCT OR SUPPLEMENT TO NORMAL CLEANING PROCEDURES AND PRACTICES.**

- **Mushroom Farm Premise Use:**

**Site Preparation:** The first step in any on-going sanitation program should be the removal of visible contamination and debris. This may be accomplished by using a shovel, broom, or vacuum, depending on the area to be disinfected.

**Cleaning and Disinfection:** For general disinfection, use 3 fluid ounces of this product per 5 gallons of water (or equivalent dilution). Apply use-solution with a cloth, mop, sponge, low pressure coarse sprayer or by immersion to thoroughly wet all surfaces. Treated surfaces must remain visibly wet for a minimum of 10 minutes. Wipe or allow to air dry. For visibly soiled areas, pre-clean first. Prepare a fresh solution for each use or more often if use-solution becomes visibly diluted, clouded or soiled.

**For Heavy Duty Cleaning:** When greater cleaning is desired, use 6 fluid ounces of this product per 5 gallons of water (or equivalent dilution). Visibly soiled areas may require repeated cleaning before treatment.

**DO NOT APPLY THE USE-SOLUTION TO THE MUSHROOM CROP, COMPOST OR CASING.**

Thoroughly rinse treated surfaces with potable water before they contact crop, compost or casing.

- **Citrus Canker Control:** For prevention of Citrus Canker Disease through treatment of equipment. This product, when used at a 1:48 dilution (2000 ppm active quaternary) or 2.67 fluid ounces (79 ml) per gallon of water up to 200 ppm hardness (as CaCO<sub>3</sub>), is effective against *Xanthomonas axonopodis* pathovar *citri* (Citrus Canker). Treat all trucks, vehicles, and equipment thoroughly at the 1:48 dilution. Treatment can be applied to trucks, attached trailers, field harvesting equipment; including cargo area, wheels, tires, under carriage, hood, roof, fenders and any other part of transportation equipment that can be taken into infested areas. To prevent the spread of Citrus Canker by this artificial means of transportation, treatments are made by trigger spraying, dipping or brushing, using the maximum rate of 2000 ppm quaternary and allowing to remain visibly wet for at least 10 minutes. After use, all surfaces which come in contact with food or crop must be rinsed with potable water.
- **Water And Smoke Damage Restoration:** For home, institutional and industrial use. This product is suitable for use in water damage restoration as a deodorizer on the following porous and semi-porous materials: carpets, cushions, sub floors, drywall, trim, frame lumber, tackless strip and paneling. Use a solution of 3 fluid ounces of this product (or trade name) per 5 gallons of water (or equivalent dilution). Saturate all affected materials with enough solution to remain visibly wet for a minimum of 10 minutes. Use proper ventilation.
- **Smoke Damage Restoration:** Effective as a deodorizer for home, industrial, and institutional use. This product is for use in smoke damage restoration situations to deodorize the following porous and semi-porous materials:

Bracketed information is denoted as: { insert as noted }, ( optional text ), [ required qualifier ], <note>.

The term "this product" used throughout this document may be replaced with the marketed product brand name.

The term "x" is a place holder for numerical digits.

Punctuation and plural/singular word forms may be adjusted to allow for grammatical correctness.

Appropriate metric or imperial unit conversion may be added as optional supplemental information.

carpets, carpet cushion, sub floors, drywall, trim and frame lumber, tackless strip and paneling. Follow directions in the Water Damage Restoration section. Using the recommended use-solutions, saturate affected materials with enough product to remain visibly wet for a minimum of 10 minutes. Use proper ventilation.

- **Sewer Backup And River Flooding:** During mitigation procedures, dilute 1.1 to 2.2 fluid ounces of this product per gallon of water. Remove visible filth or soil along with non-salvageable materials. Saturate all affected areas with the use-solution of (this product or product name). Apply the use-solution with a low pressure, coarse sprayer before and after cleaning and extraction.
- **Carpet, Carpet Cushions And Other Porous Materials Such As Sub Floors, Drywall, Trim And Frame Lumber, Tackless Strip And Paneling:** For water damage from a clean water source, extract excess water. Test a hidden area for colorfastness. Remove visible filth or soil. Dilute 1.1 to 2.2 fluid ounces of this product per gallon of water (859-1718 ppm active quaternary). Apply the use-solution with a low pressure, coarse sprayer to fully saturate affected materials. Roll, brush or agitate into materials and allow the materials to remain damp for 10 minutes. Follow with a thorough extraction. Thoroughly dry all materials rapidly.
- **Special Instructions For Carpet Deodorization:** This product may be used in homes, motels, hotels, nursing homes, and schools. This product is for use on wet, cleanable, synthetic fibers. Do not use on wool. Vacuum carpet thoroughly prior to cleaning. Test fabric for colorfastness.
  - o **For portable extraction units:** Mix 1.1 fluid ounces per gallon of water.
  - o **For truck mounted extraction machines:** Mix 13.5 fluid ounces per gallon of water and meter at 4 gallons per hour.
  - o **For rotary floor machines:** Mix 2.2 fluid ounces per gallon of water and apply at the rate of 300-500 sq. ft. per gallon.

Do not mix (this product or product name) with other cleaning products. Follow the cleaning procedures specified by the manufacturer of the cleaning equipment. After using this product set the carpet pile in one direction with a stiff brush and protect the carpet from furniture legs and bases while drying. Do not over wet. If applied to stain resistant nylon carpet, apply fabric protector according to the carpet manufacturer's directions.

- **Carpet Deodorization for Home, Industrial and Institutional Use:** This product may be used in homes, motels, hotels, and nursing homes.
  - o Vacuum carpet thoroughly prior to application. Mix 1.1 fluid ounces per gallon of water. Follow injection and/or extraction procedures as specified for any conventional steam cleaning equipment you are using. For rotary floor machines, mix 2.2 fluid ounces per gallon of water and spray on carpet at a rate of 300-500 sq. ft. per gallon.
  - o For use on washable synthetic fibers. Do not use on wool. Test colorfastness of carpet before use. Apply diluted product to a small concealed spot, then rub with a clean white cloth. If color changes or transfers to cloth, a water based product should not be used.
  - o After using the product, set carpet pile in one direction with a stiff brush. Place aluminum foil under the legs of furniture while carpet is drying. Over-wetting can cause carpet to shrink. Manufacturer assumes no responsibility for over-wetting misuse.

**NOTE:** This product should not be mixed with other cleaning chemicals.

- **Hatchery Rooms Using Fogging Devices (Non-Public Health Use Only):** 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 all surfaces with a compatible cleaner or detergent and rinse thoroughly with potable water. Close off room so fog is confined to room to be treated. Mix 140 fluid ounces of (this product or product name) to 2.5 gallons of water. Insert the fogger nozzle through a suitable opening into the room. With the setting in maximum output, fog for one minute for each 4000 cubic feet of room space. When fogging is completed, ventilate buildings and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed or dried. Thoroughly clean all surfaces with a compatible soap or detergent and rinse thoroughly with potable water.
- **Incubators and Hatcheries Using Fogging Devices (Non-Public Health Use Only):** Mix 13.5 fluid ounces of (this product or product name) to 120 fluid ounces of water. Fog 3 to 8 ounces of this use-solution into setters and hatcher immediately after transfer. Repeat daily in setters and every 12 hours in hatcher. Discontinue hatcher treatments at least 24 hours prior to pulling the hatch. It is acceptable to fog hatcher and setters with a 1.1 fluid ounces per gallon of water use-solution of (this product or product name) 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 with a compatible soap or detergent,

Bracketed information is denoted as: { insert as noted }, ( optional text ), [ required qualifier ], <note>.

The term "this product" used throughout this document may be replaced with the marketed product brand name.

The term "x" is a place holder for numerical digits.

Punctuation and plural/singular word forms may be adjusted to allow for grammatical correctness.

Appropriate metric or imperial unit conversion may be added as optional supplemental information.

and thoroughly rinse with potable water. Best results are achieved with use-solution water temperature ranging from 78-110°F.

**NOTE:** The fog generated is irritating to the eyes, skin and mucous membranes. Under no circumstances should a room or building be entered by anyone within two hours of the actual fogging. If the building must be entered, the individuals entering the building must wear a self-contained respirator approved by NIOSH/MSHA, goggles, long sleeves and long pants.

**ALL SURFACES MUST BE CLEANED IN ACCORDANCE WITH LABEL DIRECTIONS PRIOR TO FOGGING. FOGGING IS AN ADJUNCT OR SUPPLEMENT TO NORMAL PROCEDURES AND PRACTICES.**

## **DILUTION SYSTEM SPECIFIC DIRECTIONS FOR USE**

**PACKETS:** *Pre-measured tear open packets* – (Simply) (tear) (open and) pour contents (of packet) into x gallons of water (for a (200ppm)(xppm)(547ppm) dilution). Keep packets in box until ready to use.

### **INTERMEDIATE SERVICE SOLUTION CONTAINER:**

1. Create Intermediate Service Solution by combining (x fl oz product) (x packet(s)) and x (oz) (gal) water for a (x:x) intermediate dilution.
2. Follow Directions for Use for (Sanitization), (General Disinfection), (Hospital Disinfection), (Insert applicable use header).

	Minimum Level	Intermediate Level	Maximum Level
Sanitization	200ppm	xppm	400ppm
General Disinfection	467ppm	xppm	546ppm
	Minimum Level		
Hospital Disinfection	547 ppm	xppm (with x greater than 547 ppm)	

3. Combine x fl oz of the Intermediate Service Solution and x (fl oz)(gal) water to achieve the final use active concentration of (200ppm) (xppm) (547ppm)

*<The following language is required for products supplied with supplemental labeling: inserts, hang tags and reference sheets.>*

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Labeling must be in the possession of the user at the time of using the product. See container label for FIRST AID and PRECAUTIONARY STATEMENTS and complete DIRECTIONS for USE before applying. Use of this product is subject to the precautions and limitations imposed by the label affixed to the container for this product.

*<The following language is required to appear on the container label:>*

See (insert) (hangtag) (reference sheet) for (complete) (additional) information.

*<Alternative language for bag in the box dispensing equipment>*

### **Directions For Bag-In Box Containers.**

**HOW TO USE THIS PACKAGE:** This package is designed to be used with dilution control systems only. Open package and connect to dispense according to directions on the box.

**TRIGGER SPRAYERS:** Fill bottle from dispenser. Apply to surfaces according to directions above.

**MOP BUCKETS:** Fill bucket from dispenser. Set up "Wet Floor" signs. Mop floor surfaces as specified in directions above.

{Note to reviewer: The following advisory statements are optional. These statements are intended for products sold in state or local jurisdictions that have phosphate restrictions or limits for cleaners. One of the statements can be selected and placed with the Directions for Use section as applicable.}

### **ADVISORY STATEMENTS**

- Formulation meets state and local restrictions for phosphate content in hard surface cleaners
- Does not contain (phosphates) (phosphorous) (as required per state and/or local requirements)



## STORAGE AND DISPOSAL

### DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

**PESTICIDE STORAGE** - Store in a dry place no lower in temperature than 50°F or higher than 120°F. Store in a tightly closed container in an area inaccessible to children.

**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.

<b>CONTAINER DISPOSAL</b> - <i>&lt;mandatory language - choose applicable directions&gt;</i>	
<i>For products only with household/residential use sites</i>	Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available.
<i>For products with industrial, institutional, and commercial use sites</i>	Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container promptly after emptying.  For containers 2 gallons or less with a one-way opening that doesn't allow containers to be rinsed: Nonrefillable container. Do not reuse or refill this container. Replace cap and discard in trash. Offer for recycling if available.
<i>For containers 5 gallons or less</i>	Triple rinse as follows: Fill container ¼ full with water and recap. Agitate vigorously. Follow Pesticide Disposal instruction for rinsate disposal. Drain for 10 seconds after the flow begins to drip. Repeat procedure two more times. Offer for recycling or reconditioning, if available. If not available, puncture and dispose in a sanitary landfill.
<i>For containers greater than 5 gallons</i>	Triple rinse as follows: Fill container ¼ full with water. 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 it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Offer for recycling or reconditioning, if available. If not available, puncture and dispose in a sanitary landfill.
<i>Packet Disposal</i>	Do not reuse; discard empty container and put in trash.

*<NOTE: spill or leak procedures is required language>*

### **SPILL OR LEAK PROCEDURES**

Small spills may be mopped up, flushed away with water or absorbed on some absorbent material and incinerated. Large spills should be contained, the material then moved into containers and disposed of by approved methods for hazardous wastes.

## **GRAPHICS**

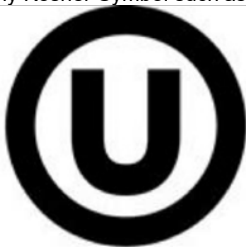
{NOTE TO REVIEWER: These are representative icons / descriptions for use sites/application methods that may appear on the label listed in the location/surfaces section of this label with the appropriate directions for use, PPE or package type.}

(kitchen)  
(bathroom)  
(shower curtain)  
(floor)  
(wall)  
(stainless steel surfaces)  
(glazed tiles)  
(glazed  
porcelain)  
(plastic surfaces)  
(bathtubs)  
(cabinets)  
(tables)  
(chairs)  
(packet)  
(packet ripped open)  
(packet being poured)  
(intermediate service solution container)  
(spray dispensing container)  
(dispensing of product from intermediate service solution container to spray dispensing container)  
(brand graphics or images for automated dilution systems)  
(sink with faucet)  
(tub)



<Note to reviewer: The following may be used only if the supplemental registrant has obtained a Kosher certification.>

<Any Kosher Symbol such as:>



{Note to reviewer the following statements should only be used for Waxie's Enterprises, LLC, an Envoy Solutions Company}



{Note to reviewer: this logo may appear next to numerical identifiers for the dilution system}

## **PACKET LABEL UNIT PACKAGING**

**(1)(X) FLUID OUNCE PACKET LABEL TO BE USED WITH MASTER CONTAINER**

**LABEL: MIX EACH PACKET WITH (4)(X) GALLONS OF WATER:**

*(Note to reviewer: x fluid ounce packets and corresponding x amount of water will be adjusted to yield equivalent dilution in accordance with directions for use on this label)*

**BTC<sup>®</sup> 2125M 10% Solution  
1839-86**

### **ACTIVE INGREDIENTS**

Alkyl (60% C <sub>14</sub> , 30% C <sub>16</sub> , 5% C <sub>12</sub> , 5% C <sub>18</sub> ) dimethyl benzyl ammonium chlorides.....	5.0%
Alkyl (68% C <sub>12</sub> , 32% C <sub>14</sub> ) dimethyl ethylbenzyl ammonium chlorides.....	5.0%
<b>(INERT)(OTHER) INGREDIENTS</b> .....	<b>90.0%</b>
<b>TOTAL</b> .....	<b>100.0%</b>

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

*(Note to reviewer: Only one of the following statements is required. Referral to "Directions for Use" is required when directions for use are only found in booklet. Choose applicable statement noted in curly bracket.)*

See (side) (back) panel for additional precautionary statements.

or

See booklet for {(complete) (additional)} information (and) (including) (Directions for Use)

**Disposal** – Do not reuse; discard empty packet by putting in trash.

EPA REG. NO. 1839-86

EPA EST. NO. (1839-IL-01)(xxxx-xx-xxx)

STEPAN COMPANY  
1101 Skokie Blvd, Suite 500 • Northbrook, IL  
60062 ((847) 446-7500)

NOT FOR INDIVIDUAL SALE

Pour contents of packet into xx (gallons)(gal)(fl oz) of water for a (x) dilution.

NET CONTENTS: xx (fluid ounces)(fl oz) per packet

**SECONDARY / SERVICE CONTAINER LABELING**

{Note to Reviewer: The following is to be used as a label for a separate, secondary container for use/storage of 2 fl oz or less per gallon use solution.}

{Note to Reviewer: When this product is diluted in accordance with the directions on this label, the dilution container must bear the following statements:}

BTC® 2125M 10% Solution  
/ Product Brand Name  
EPA Reg. No. 1839-86

**ACTIVE INGREDIENTS**

Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chlorides.....	5.0%
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chlorides.....	5.0%
<b>(INERT)(OTHER) INGREDIENTS</b> .....	<b>90.0%</b>
TOTAL .....	100.0%

The product in this container is diluted as directed on the pesticide product label. Follow the directions for use on the pesticide label when applying this product. Further sale or distribution of this product is strictly prohibited.

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

**PRECAUTIONARY STATEMENTS**

Causes moderate eye irritation. Avoid contact with eyes and clothing. Wear protective eye wear (such as goggles, safety glasses or face shield). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

**FIRST AID**

**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. Call a poison control center or doctor for treatment advice.

Bracketed information is denoted as: { insert as noted }, ( optional text ), [ required qualifier ], <note>.  
The term "this product" used throughout this document may be replaced with the marketed product brand name.  
The term "x" is a place holder for numerical digits.  
Punctuation and plural/singular word forms may be adjusted to allow for grammatical correctness.  
Appropriate metric or imperial unit conversion may be added as optional supplemental information.

(Note to Reviewer: not for use on final in-commerce product label)

\*\*\*\*\*

**Emerging Viral Pathogen Claims**

*Product Name* -or- this product qualifies for emerging viral pathogen claims per the EPA's 'Guidance to Registrants: Process for Making Claims Against Emerging Viral Pathogens not on EPA-Registered Disinfectant Labels' when used in accordance with the appropriate use directions indicated below:

*Product Name* -or- this product meets the criteria to make claims against certain emerging viral pathogens from the following viral categories:

- Enveloped viruses

<b><i>For an emerging viral pathogen that is a/an...</i></b>	...follow the directions for use for the following organisms on the label:
Enveloped virus	Adenovirus Type 5

***Product Name*** -or- this product has demonstrated effectiveness against viruses similar to ***[name of emerging virus]*** on ***hard, non-porous surfaces***. Therefore, ***Product Name*** -or- this product can be used against ***[name of emerging virus]*** when used in accordance with the directions for use against ***[name of supporting virus(es)]*** on ***hard, non-porous surfaces***. Refer to the ***[CDC or OIE]*** website at ***[pathogen-specific website address]*** for additional information.

***[Name of illness/outbreak]*** is caused by ***[name of emerging virus]***. ***[Product name]*** kills similar viruses and therefore can be used against ***[name of emerging virus]*** when used in accordance with the directions for use against ***[name of supporting virus(es)]*** on ***hard, non-porous surfaces***. Refer to the ***[CDC or OIE]*** website at ***[web site address]*** for additional information.

-----

Bracketed information is denoted as: { insert as noted }, ( optional text ), [ required qualifier ], <note>. The term "this product" used throughout this document may be replaced with the marketed product brand name. The term "x" is a place holder for numerical digits. Punctuation and plural/singular word forms may be adjusted to allow for grammatical correctness. Appropriate metric or imperial unit conversion may be added as optional supplemental information.