



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

February 4, 2022

Amanda Burwell
Regulatory Specialist, Team Leader for,
Stepan Company
22 Frontage Road
Northfield, IL 60093

Subject: PRIA Label Amendment – Addition of SARS-CoV-2 virucidal claim
Product Name: NP 9.0 Detergent/Disinfectant
EPA Registration Number: 1839-81
Received Date: June 21, 2021
Action Case Number: 00307433

Dear Ms. Burwell:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, 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.

Please note that the record for this product currently contains the following CSFs:

- Basic CSF dated 06/16/2021
- Alternate CSF 1 dated 06/16/2021
- Alternate CSF 2 dated 06/16/2021
- Alternate CSF 3 dated 06/16/2021

Any CSFs other than those listed above are superseded/no longer valid.

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 with FIFRA section 6. If you have any questions, please contact Karen M. Leavy by phone at 202-566-0668, or via email at Leavy.Karen@epa.gov.



Eric Miederhoff
Product Manager 31
Regulatory Management Branch I
Antimicrobials Division (7510P)
Office of Pesticide Programs

Enclosure

NP 9.0 Detergent/Disinfectant

FRONT PANEL

ACCEPTED

02/04/2022

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

1839-81

ACTIVE INGREDIENTS

n-Alkyl (60% C₁₄, 30% C₁₆, 5% C₁₂, 5% C₁₈)
dimethyl benzyl ammonium chlorides 4.5%
n-Alkyl (68% C₁₂, 32% C₁₄)
dimethyl ethylbenzyl ammonium chlorides 4.5%

INERT(OTHER) INGREDIENTS 91.0%
Total 100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER

{Note to Reviewer: Except where noted in accordance with 40 CFR 156.68(d), the following 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.	
If in Eyes:	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
If on Skin or Clothing:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call poison control center or doctor for treatment advice.

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

See (side) (back) (left) (right) (booklet) (insert) panel(s) for additional (precautionary statements) (and) (directions for use).

{Note to the reviewer: For product packaged in Small Outer Container, where space does not feasibly allow (less than 12 square inches for front panel) the following statement may be used: See [{inside} {left} {back} {side} {right} {insert} {panel} {of label}] {below} for {additional} {precautionary statements} {and} {or} {first aid}}.

FRONT, BACK OR SIDE PANEL

EPA REG. NO. 1839-81

EPA EST. NO. (as indicated on container) (Lot code may designate establishment number.)

NET CONTENTS(:) XXX (FL OZ)(PT)(QT)(GAL)(mL)(L)

STEPAN COMPANY

22 West Frontage Road

Northfield, IL 60093

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 and wash contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

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

(Required for products supplied in containers 5 gallons or greater)

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product 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 phosphorous.

MICRO-ORGANISMS

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

DISINFECTION		
Bacteria	Strain ID	Contact Time
Pseudomonas aeruginosa (PRD 10)	15442	10 minutes
Escherichia coli	11229	10 minutes
Klebsiella pneumoniae	4352	10 minutes
Salmonella schottmuelleri	8759	10 minutes
Salmonella enterica	10708	10 minutes

Streptococcus salivarius	9222	10 minutes
Brevibacterium ammoniagenes	6871	10 minutes
Streptococcus faecalis	10541	10 minutes
Shigella dysenteriae	12180	10 minutes
Klebsiella aerogenes	13048	10 minutes
Staphylococcus aureus	6538	10 minutes
Streptococcus pyogenes (Clinical-Flesh Eating Strain Bird M3)		10 minutes
Vancomycin intermediate resistant Staphylococcus aureus (VISA)	HIP-5836	10 minutes
Methicillin resistant Staphylococcus aureus (MRSA)	33593	10 minutes
Viruses		
Bovine Viral Diarrhea Virus (BVDV)	American BioResearch Laboratories	10 minutes
Feline Calicivirus (FCV)	University of Ottawa	10 minutes
Hepatitis B Virus (HBV)	Hepadna Virus Testing	10 minutes
Hepatitis C Virus (HCV)	American BioResearch Laboratories	10 minutes
Herpes Simplex Type 1	Sabin (WI-38)	10 minutes
Human Coronavirus	ATCC VR-740	10 minutes
Human Immunodeficiency Virus Type 1 (HIV-1)	HTLV-IIIRF	10 minutes
Influenza A	GBL V-553	10 minutes
Influenza A ₂	ATCC VR-100	10 minutes
Norovirus (Norwalk Virus)	University of Ottawa	10 minutes
Pandemic 2009 H1N1 Influenza A Virus	ATCC VR-1469	10 minutes
Porcine Respiratory & Reproductive Syndrome Virus (PRRSV)	Strain NVSL	10 minutes
Vaccinia Virus	Wyeth (WI-39)	10 minutes
Severe Acute Respiratory Syndrome Coronavirus 2 [SARS-CoV-2]	USA-WA1/2020 BEI NR-52281	1 minute
Fungi, Mold and Mildew		
Trichophyton interdigitale		10 minutes

SURFACES & USE SITES

[Note to Reviewer: 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.]

Hard, non-porous surfaces:

(Coils) (and (Drain Pans) (of) Air Conditioning/Refrigeration Equipment	Floors	Picnic Tables (non-wooden)
Automobile (Exteriors) (Interiors)	(Floors) (and) (walls) of coolers ⁸	Plastic (Upholstery)
(Bathroom) (Restroom) Fixtures	Flower buckets	Protective headgear ⁵
Bathrooms	Formica®	Racks ¹
(Bath)tubs	Freezer Exteriors	Room-Temperature Refrigerated Storage and Display Equipment ¹
Bed Frames	Full face breathing apparatus ⁵	Scales
Beer fermentation equipment and holding tanks (, bottling or pre-mix dispensing equipment)	Garbage(cans)(pails)	Scissors
Blades	Gas mask ⁵	Sealed Granite
Brushes	Glass ¹	Sealed Marble
Cabinets	Glassware ⁷	Sealed Stone
Cages	Glazed (Porcelain) (Ceramic) (Tile)(s)	Shelves ¹
Carts ¹	Goggles ⁵	Shower(s) (Doors) (Stalls) (and) (Curtains)
CAT Scan Machines	Granite	Silverware ⁷
Chairs	Half mask respirators ⁵	Sinks ¹ (Basins)
Chrome (Plated) (Intakes)	Hard hats ⁵	Slurppy® machines ¹
Citrus processing equipment and holding tanks	Hearing protectors ⁵	Spectacles ⁵
Combs	Heat Pumps	Stainless Steel ^{1,2}
Room-Temperature Coolers	Hospital Beds	Room Temperature Stovetops
Counter tops ¹	Room-Temperature Ice (Chests ¹) (Machines ¹)	Tables
(Plastic) (and) (Other non-porous) Cutting Boards ⁷	(Large) Inflatable (Non-Porous) (Plastic) (Rubber) (Advertising) (Structures) (Animals) (Promotional Items) (Moonwalk) (Slides) (Obstacle Course) (Play Equipment)	Telephones
(Design) (and) (packing) benches	Kennel(s) (Runs)	Toilet Bowl(s) (Surfaces)
Desks	(Kitchen) (Appliance)(s) (Microwave)(s) (Refrigerator) (Bins ¹) (Room Temperature Stove) (Exteriors) (Equipment ¹)	(Portable) Toilets
Dining Room(s) Surfaces ¹	Kitchens ¹	Traction Devices
Dishes ⁷	Lifts	Tubs
Door knobs (and pulls)	Manicure instruments	Ultrasonic Baths
Ear muffs ⁵	Marble	(Cooking) Utensils ⁷
Enameled Surfaces	Metal ²	Urinals
Examining Tables	Mirrors	Vanity Tops

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 may be added as optional, supplemental information.

(Exercise) (Wrestling) (Equipment) (Mats)	MRI Machines	Vinyl (Upholstery)
Exhaust Fans	Outdoor Furniture (except cushions and wood frames)	(Washable) Walls
Face shields ⁵	Paddles	Wheelchairs
Faucets	Painted Woodwork	(Whirlpool)(s) (Baths)
Fiberglass		Windows

Use Sites:

Acute Care Institutions	Emergency Rooms	Operating Rooms
Airline Terminals	EMS Facilities	Orthopedics
Airplanes	Equine Farms	Other Household Areas
Airports	Facial Salons	Patient Care (Rooms) (Facilities)
Alternate Care Institutions	Factories	(Performance) (Theatre) Centers
Anesthesia Rooms	Fast Food Operations ¹	Pet Animal Quarters
(Other) Animal Care Facilities	Fire Facilities	Pet Shops
Animal Life Science Laboratories	Flower Shops	Photocopy Centers
Art Galleries	(USDA inspected) (Food) (Citrus) (Fish) (Milk) (Ice Cream) (Potatoes) (Processing) (Plants) (Establishments) (Facilities) ¹	Picnic Facilities ¹
Athletic Facilities	Food Service Establishments ¹	Pizzerias ¹
Attics	Food (Preparation) (and) Storage Areas ¹	Play Grounds
Auto Repair Centers	Footbaths	Police Stations
Automotive Garages	Funeral Homes	Porches
Autopsy Rooms	(Household) Garages	Post Offices
Bagel Stores ¹	Gift Shops	Poultry Farms
Banks	(Hair) (Nail) (Pedicure) Salons	Prisons
(Barber) (beauty) Shops	Health Clubs	Recovery Rooms
Bars ¹	Heliport Transportation Terminals	Recreational Facilities
Basements	Hog Farms	Recycling Centers and Equipment
Bathrooms	Home Healthcare Institutions	Respiratory Therapy
Bedrooms	Hospitals	Restaurants ¹
Bicycle Shops	(Hotels) (Motels)	Restrooms
Boats	Households	Retail Businesses
Bookstores	Institutional (Facilities) (Bathrooms)	Retail Establishments
Breeding and Grooming Establishments	Institutions	School Administration Offices
Burial Vaults	Isolation Wards	Schools
Bus Stations	Jails	Shipping Terminals
Buses	Kennels	Ships

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

Business Buildings	(Household) (and) (Institutional) Kitchens ¹	Shopping Malls
Cafeterias ¹	Laboratories	Spas
Camp Grounds ¹	Laundries	Sport Stadiums
Campers	Libraries	Sports Areas
Cars	Life Care Retirement Communities	Sports Complexes
Cellars	Liquor Stores	Supermarkets
Churches	Living Rooms	Tack Shops
Classrooms	Locker Rooms	Tanning (Spas) (Salons)
Cocktail Lounges ¹	Lodging Establishments	Tattoo Parlors
Coffee Shops ¹	Manufacturing Facilities	Taverns ¹
Colleges	Massage Salons	Taxis
Commercial Florist	Mausoleums	Toy Stores
Convenience Stores	(Meat) (Poultry) (Producing) (Establishments)	Trailers
Courthouses	Medical (Offices) (Clinics)	Train Stations
Crime Scenes	Medical Research Facilities	Trains
Cruise Lines	Mobile Homes	Transportation Terminals
Day Care Centers	Mortuaries	Turkey Farms
Day Care Nurseries	Movie Houses	Universities
Day Care Sick Rooms	Municipal Government Buildings	Veterinary Clinics
Dental (Offices) (Clinics)	Museums	Video Stores
Department Stores	Mushroom Farms	Whirlpools
Donut Shops ¹	Newborn Nurseries	Wholesale Establishments
Dressing Rooms	Nursing Homes	X-RAY CAT laboratories
Education Institutions	Office Buildings	Zoos
Egg Processing Plants ¹		

MARKETING CLAIMS

{Note to Reviewer: The below marketing claims may be used anywhere on the product packaging label}

General

- For Home, Hospital, Institutional and Industrial Use
- For Farm, School, Restaurant, Food Handling and Processing Areas, Equine, Poultry/Turkey Farm, Bar, Tavern and Institutional Kitchen Use
- This product (product name) is for use (in) (on) { insert use site or surface from the Surfaces and Use Sites tables}.
- This product may be used on washable, hard, non-porous surfaces: {insert use site or surface from the Surfaces and Use Sites tables} (Kitchen equipment such as food processors, blenders, cutlery, and other utensils⁷)

- This product (product name) is an economical concentrate (that is to be used with a mop and bucket, hand pump trigger sprayer, low pressure coarse sprayer or sponge).
- (Concentrate) (Concentrated) (Compacted) (Compact) (Formula)
- 50% Less Water
- XX% Less (Plastic) (Fuel) (Gas)
- (XX%) (more) (buckets) (per) (/) (bottle)
- (Equal) (=) to XX (fl. Oz.) (ounces) non-concentrated
- (XX ounces) (=) XX ounces=XX Buckets
- Will not (bleach)(strip color from) surfaces

CLEANING AND DEODORIZING

- CLEANER
- DETERGENT
- DEODORIZER
- This product (product name) has been formulated to aid in the reduction of cross-contamination on treated surfaces not only in hospitals, but in schools, institutions and industry.
- This product (product name) is an effective antimicrobial cleaner designed for use by wholesale and retail florists, shippers and greenhouses.
- This product (product name) may be relied on to deodorize coolers⁸, buckets, garbage pails and other areas where obnoxious odors may develop.
- {Note to reviewer: This Claim not approved in California} This product (product name) is to be used as a general purpose antimicrobial detergent in florist shops, wholesale florist, shippers, greenhouse packing areas and other commercial floriculture places for efficient cleaning and antimicrobial action against certain bacteria which cause:
 1. Plugging of stems with slime, which reduces uptake of water for various flowers including roses, chrysanthemums, gladioli and tulips.
 2. 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.
- When used as directed, this product (product name) will deodorize surfaces in toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and other places where bacterial growth can cause malodors.
- This product (product name) deodorizes those areas which generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, toilet bowls, behind and under sinks and other areas where bacterial growth can cause malodors.
- This product (product name) deodorizes those areas which generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, toilet bowls, and other areas which are prone to odors caused by microorganisms.
- This product (product name) is a (non-abrasive) (non-scratch) cleaner for (showers) (tubs) (shower doors) (shower curtains) (fixtures) (and) (toilet bowls).
- This product (product name) neutralizes on contact musty odors and tough odors from smoke, pet accidents, and spills.

- This product (product name) is effective against household odors by animal waste, septic tank or sewage backup, smoke and bathroom and kitchen odors.
- This product (product name) is to be used in work areas such as tool rooms and garages for odor control and light duty cleaning.
- This product (product name) is to be used in work areas such as garages for odor control and light duty cleaning.
- Cleans everyday kitchen messes (surfaces).
- Great for use (on) (in) the (kitchen), (bathroom), (floors) and other household areas. Remove (eliminates) odors. Deodorizes.
- Floor cleaner.
- Cleans and shines.
- This product controls (reduces) (eliminates) (neutralizes) (destroys) odors to make your home (kitchen) (bathroom) sanitary.
- Cleans kitchen surfaces and food preparation areas.

Sanitizing Claims

- **SANITIZER**
- This product sanitizes previously cleaned and rinsed non-porous food contact surfaces: tanks, chopping blocks, counter tops, drinking glasses, and eating utensils.
- This product (product name) has been cleared by the FDA in 40CFR Section 180.940 for use as a sanitizer on food processing equipment, utensils, and other food contact articles at a concentration of 200 ppm active quaternary without requiring a Potable Water Rinse.
- This product (product name) was tested according to the AOAC Germicidal and Detergent Test and is approved for use as a food contact surface sanitizer.
- Dishes, silverware, glasses, cooking utensils and other similar size food processing equipment can be sanitized by immersion. NO POTABLE WATER RINSE REQUIRED.
- This product (product name) is for use in sanitizing beer fermentation and holding tanks.
- Regular, effective cleaning and sanitization⁷ of equipment, utensils and dining surfaces that could harbor hazardous microorganisms minimizes the probability of contamination of food during preparation, storage or service. Effective cleaning will remove soil and prevent the accumulation of food residues that may decompose or support the rapid development of organisms which cause food poisoning. Application of an effective sanitization program reduces the number of disease causing organisms that may be present on food processing equipment and utensils. Effective sanitization also reduces the potential for the transfer of organisms either indirectly through food or directly through (tableware, glasses, plates and flatware).
- To reduce cross contamination, (food contact surfaces) (kitchenware) (food processing equipment) should be washed, rinsed with potable water and sanitized after each use and following any interruption in operation at which time contamination may occur.
- Where equipment and utensils are used for continuous (production line) food preparation, all food contact surfaces must be washed, rinsed and sanitized at scheduled intervals throughout the day based on food temperature, food type and food particle accumulation.

DISINFECTION, VIRUCIDAL*, FUNGICIDAL, MILDEW CONTROL AND COMBINATION CLAIMS

- **DISINFECTANT**
- ***VIRUCIDE**
- **FUNGICIDE** (against pathogenic fungi)
- **[(ODOR) (AND) (OR) (STAIN) (CAUSING)] MILDEW CONTROL** (on hard, inanimate surfaces)
- **KILLS GERMS**

- 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 Veterinary Practice/Animal Care/Animal Laboratory Disinfection
- For Mushroom Farm Sanitation
- Kills Pandemic 2009 H1N1 Influenza A virus (formerly called swine flu)
- This product (product name) is a one step^{1,3} detergent disinfectant that is effective against a broad spectrum of bacteria, virucidal* (including HIV-1, HBV and HCV) and inhibits the growth of mold and mildew and their odors when used as directed.
- This product has demonstrated virucidal* efficacy against Hepatitis B (HBV), Hepatitis C (HCV) and Human Immunodeficiency Virus (HIV-1) on hard inanimate, environmental surfaces.
- This product (product name) was tested according to the AOAC Use-Dilution Test and is approved for use in hospital (and healthcare) disinfection.
- This product (product name) is to be used as a disinfectant on hard, non-porous, environmental surfaces (at 703 ppm active).
- When used as directed, this product (product name) is a concentrated hospital use disinfectant that is an effective broad spectrum bactericide and virucide*.
- This product (product name) is a versatile disinfectant for veterinarian and animal care.
- This product (product name) is a hard, non-porous multi-surface cleaner, deodorizer and disinfectant³. Use on windows, mirrors, and other non-food contact glass surfaces.
- This product (product name) cleans(, shines), deodorizes and disinfects³ all hard non-porous surfaces (listed on the label). It inhibits the growth of mold and mildew, leaving bathrooms and kitchens clean and fresh smelling.
- This product (product name) is a versatile cleaner and broad spectrum disinfectant formulated for use on bath and therapy equipment (whirlpools).
- This product (product name) is a versatile broad spectrum disinfectant formulated for use in Ultrasonic Baths.
- Use this product (product name) to clean and disinfect³ non-porous personal protective safety equipment, protective headgear, hard hats, half mask respirators, full face breathing apparatus, gas masks, goggles, spectacles, face shields, hearing protectors and ear muffs.⁵
- When used as directed, this product (product name) will disinfect hard, non-porous surfaces such as flower buckets, floors and walls of coolers⁸, design and packing benches and counter tops.
- Use this product (product name) to clean, disinfect³ and deodorize flower buckets, walls and floors of coolers⁸, shippers, greenhouse packing areas, garbage pails and other areas where obnoxious odors may develop.
- Use this product (product name) to disinfect non-porous salon/barber tools and instruments: combs, brushes, scissors, blades, and manicure instruments.
- Disinfects hard, non-porous kitchen (and) (bathroom) surfaces. Kill germs. Kills household bacteria⁹.
- For larger areas such as {insert use site or surface from the Surfaces and Use sites Tables} this product is designed to (clean and disinfect³) (provide both general cleaning and disinfecting³)

- Kills viruses that cause flu⁶
- (This Product) (Kills) (is) (Effective against) (Eliminates 99.9%³) (of) (has demonstrated effectiveness against) the virus that causes COVID-19⁴ on hard non-porous surfaces (in) (just) 1 minute (60 seconds) (!)
- (This Product) (Kills) (is) (Effective against) (Eliminates 99.9%³) (of) (has demonstrated effectiveness against) SARS-CoV-2⁴ (the Coronavirus that causes COVID-19) on hard non-porous surfaces (in) (just) 1 minute (60 seconds) (!)
- (This Product) (Kills) (is) (Effective against) (Eliminates 99.9%³) (of) (has demonstrated effectiveness against) SARS-CoV-2⁴, which causes COVID-19 on hard non-porous surfaces (in) (just) 1 minute (60 seconds) (!)
- (This Product) (Kills) (is) (Effective against) (Eliminates 99.9%³) (of) (has demonstrated effectiveness against) SARS-Related Coronavirus 2⁴ (SARS-CoV-2) (USA-WA1/2020) (causative agent of COVID-19) (the virus that causes COVID-19) on hard non-porous surfaces (in) (just) 1 minute (60 seconds) (!)
- (This Product) (Kills) (is) (Effective against) (Eliminates 99.9%³) (of) (has demonstrated effectiveness against) SARS-CoV-2 virus⁴ responsible for the severe acute respiratory (syndrome) (COVID-19) (disease) on hard non-porous surfaces (in) (just) 1 minute (60 seconds) (!)
- (This Product) Disinfects hard non-porous surfaces by killing (99.9%³) (of) the virus that causes COVID-19⁴ (in) (just) (One Step^{1,3})
- (This Product) Disinfects hard non-porous surfaces by killing (99.9%³) (of) SARS-CoV-2⁴ (the Coronavirus that causes COVID-19) (in) (just) (One Step^{1,3})
- (This Product) Disinfects hard non-porous surfaces by killing (99.9%³) (of) SARS-CoV-2⁴, which causes COVID-19 (in) (just) (One Step^{1,3})
- (This Product) Disinfects hard non-porous surfaces by killing (99.9%³) (of) SARS-Related Coronavirus 2⁴ (SARS-CoV-2) (USA-WA1/2020) (causative agent of COVID-19) (the virus that causes COVID-19) (in) (just) (One Step^{1,3})
- (This Product) Disinfects hard non-porous surfaces by killing (99.9%³) (of) SARS-CoV-2 virus⁴ responsible for the severe acute respiratory (syndrome) (COVID-19) (disease) (in) (just) (One Step^{1,3})
- (This Product) (Kills) (is) (Effective against) (Eliminates 99.9%³) (of) (has demonstrated effectiveness against) the virus that causes COVID-19⁴ on hard non-porous surfaces
- (This Product) (Kills) (is) (Effective against) (Eliminates 99.9%³) (of) (has demonstrated effectiveness against) SARS-CoV-2⁴ (the Coronavirus that causes COVID-19) on hard non-porous surfaces
- (This Product) (Kills) (is) (Effective against) (Eliminates 99.9%³) (of) (has demonstrated effectiveness against) SARS-CoV-2⁴, which causes COVID-19 on hard non-porous surfaces
- (This Product) (Kills) (is) (Effective against) (Eliminates 99.9%³) (of) (has demonstrated effectiveness against) SARS-Related Coronavirus 2⁴ (SARS-CoV-2) (USA-WA1/2020) (causative agent of COVID-19) (the virus that causes COVID-19) on hard non-porous surfaces
- This Product) (Kills) (is) (Effective against) (Eliminates 99.9%³) (of) (has demonstrated effectiveness against) SARS-CoV-2 virus⁴ responsible for the severe acute respiratory (syndrome) (COVID-19) (disease) on hard non-porous surfaces
- (This Product) Kills (99.9%³ of) SARS-CoV-2⁴, which causes COVID-19 on hard non-porous surfaces
- (This Product) Kills (99.9%³ of) SARS-CoV-2⁴, which causes COVID-19 on hard non-porous surfaces (in) (just) 1 minute (60 seconds) (!)
- This Product)) Kills (99.9%³ of) SARS-CoV-2⁴, which causes COVID-19 on hard non-porous surfaces (in) (just) (One Step^{1,3})
- (This Product) Kills (is) (Effective against) the virus that causes COVID-19⁴ on hard non-porous surfaces
- (This Product) (is) (Effective against) the virus that causes COVID-19⁴ on hard non-porous surfaces (in) (just) 1 minute (60 seconds) (!)
- (This Product) Kills (is) (Effective against) the virus that causes COVID-19⁴ on hard non-porous surfaces (in) (just) (One Step^{1,3})
- (This Product) Kills SARS-CoV-2⁴ (COVID 19 virus) (virus) on hard non-porous surfaces
- (This Product) Kills SARS-CoV-2⁴ (COVID 19 virus) (virus) on hard non-porous surfaces (in) (just) 1 minute (60 seconds) (!)
- (This Product) Kills SARS-CoV-2⁴ (COVID 19 virus) (virus) on hard non-porous surfaces (in) (just) (One Step^{1,3})
- (This Product) (is) Effective against SARS-CoV-2⁴ (COVID 19 virus) on hard non-porous surfaces
- (This Product) (is) Effective against SARS-CoV-2⁴ (COVID 19 virus) on hard non-porous surfaces (in) (just) 1 minute (60 seconds) (!)
- (This Product) (is) Effective against SARS-CoV-2⁴ (COVID 19 virus) on hard non-porous surfaces (in) (just) (One Step^{1,3})
- (This product) is a broad-spectrum, hard non-porous surface disinfectant that has been shown to be effective against SARS-CoV-2⁴ (COVID-19 virus tested and listed on the label)

- This product is for Poultry Premise Sanitation (Hatcheries):

Egg Receiving Area	Tray Dumping Area	Chick Processing Area
Egg Holding Area	Chick Holding Area	Chick Loading Area
Setter Room	Hatchery Room	Poultry Buildings
- This product is for Swine Premise Sanitation:

Farrowing Barns and Areas	Dressing Plants	Blocks
Waterers and Feeders	Loading Equipment	Creep Area
Hauling Equipment	Nursery	Chutes
- This product (product name) is for poultry premise sanitation (hatcheries), egg receiving area, egg holding area, setter room, tray dumping area, trays, buggies, racks, egg flats, Chick Holding Room, Hatchery Room, Chick Processing Area, Chick Loading Area, Poultry Buildings, Ceilings, Side Walls and Floors, Drinkers, and all other hard, non-porous poultry house related equipment, and surfaces in the Hatchery environment.
- This product is designed to provide effective (cleaning) (deodorization) (sanitization⁷) (and) (disinfection³) specifically for {insert use site or surface from the Surfaces and Use Sites tables} where housekeeping is of prime importance in reducing cross contamination between treated surfaces.
- (This product) (It) (when used as directed) is formulated to disinfect hard, non-porous, inanimate environmental surfaces: {insert use site or surface from the Surfaces and Use Sites tables}
- This product (product name) is formulated to effectively eliminate offensive odors caused by mold and mildew.
- Kills Athlete's Foot fungus on bathroom surfaces.
- Kills common kitchen (bathroom) germs⁹ (and viruses*).
- This product (product name) (controls) (reduces) (eliminates) (neutralizes) (destroys) odors to make your home (kitchen) (bathroom) sanitary.
- One step^{1,3} cleaner.
- Eliminates odors caused by bacteria (and) (mildew) (and) (non-fresh foods). Kills odor causing bacteria in the kitchen (bathroom).
- This product (product name) is a no rinse disinfectant cleaner that disinfects, cleans and deodorizes in one labor saving step^{1,3}.
- Use this product (product name) to sanitize⁷ and disinfect³ non-porous salon/barber tools and instruments: combs, brushes, scissors, clippers, trimmers, razors, blades, tweezers and manicure instruments.

CLAIM QUALIFIERS

¹ For use on non-food contact use site(s) only.

² (For labels that list medical premises and metal and/or stainless steel surfaces, one of the following statements must be used)

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

³when used according to disinfection directions

⁴ Severe Acute Respiratory Syndrome Coronavirus 2

⁵Rinse all equipment that comes in prolonged contact with skin before reuse with clean warm water (about 120°F), and allow to air dry. (Caution: Cleaning at the 120°F temperature will avoid overheating and distortion of the personal safety equipment that would necessitate replacement.)

⁶Influenza A2 Virus

⁷ when used according to sanitization directions

⁸ Allow treated surface to come to room temperature prior to application of product.

⁹ Staphylococcus aureus, Salmonella enterica, Escherichia coli

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 statement must be used on labels that list food contact surfaces: Surfaces which may contact food must be rinsed thoroughly with potable water after use.}

DISINFECTION - For visibly soiled areas, a pre-cleaning step is required. To disinfect inanimate, hard, non-porous surfaces add 1-2 fluid ounces of this product (product name) per gallon of water (or equivalent use dilution). Apply solution with a (mop,) (cloth,) (sponge,) (hand pump trigger sprayer) (or) (low pressure coarse sprayer) so as to wet all surfaces thoroughly. Allow to remain visibly wet for 10 minutes (or 1 minute for SARS-CoV-2), then remove excess liquid.

PACKETS (for pre-measured tear open packets) – (Simply) (tear) open and pour contents into 1 gallon of water. Keep packets in box until ready to use.

or

Pour contents of (1 fl oz) (2 fl oz) packet into 1 gallon of water (or equivalent use dilution). Keep packets in box until ready to use.

(Choose one of the following toilet bowl paragraphs)

To disinfect toilet bowls: flush toilet, add 1-2 ounces of this product (product name) directly to the bowl water. Swab the bowl completely using a scrub brush or toilet mop, making sure to get under the rim. Let stand for 10 minutes and flush.

Non-Acid Toilet Bowl Disinfection/Cleaner Directions: Remove visible soil prior to disinfection.

From concentrate: Add 1-2 ounces per gallon to the toilet bowl and mix. Brush thoroughly over exposed surfaces and under the rim, allow to stand for 10 minutes and flush. (For heavy duty use: Add 4 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.)

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

From use-solution: Empty toilet bowl or urinal and apply 1-2 ounces per gallon use-solution to exposed surfaces including under the rim with a cloth, mop, sponge or hand pump trigger sprayer. Brush or swab thoroughly and allow to stand for 10 minutes and flush.

For heavy duty use: Empty toilet bowl or urinal and apply 4 ounces per gallon use-solution to exposed surfaces including under the rim with a cloth, mop, sponge or sprayer. Brush or swab thoroughly and allow to stand for 10 minutes and flush.

To disinfect food processing premises: Before using this product, food products and packaging materials must be removed from the area or carefully protected. For floors, walls, and storage areas, add 1 ounce of this product (product name) per gallon of water (or equivalent use dilution). For visibly soiled areas, a pre-cleaning step is required. Apply solution with a (mop,) (cloth,) (sponge,) (hand pump trigger sprayer) (or) (low pressure coarse sprayer) so as to wet all surfaces thoroughly. Allow to remain visibly wet for 10 minutes, then remove excess liquid. After use, all surfaces in the area must be thoroughly rinsed with potable water.

To disinfect food service establishment premises: Before using this product, food products and packaging materials must be removed from the area or carefully protected. For countertops, appliances, tables, add 1-2 fluid ounce of this product (product name) per gallon of water (or equivalent use dilution). For visibly soiled areas, a pre-cleaning step is required. Apply solution with a (mop,) (cloth,) (sponge,) (hand pump trigger sprayer) (or) (low pressure coarse 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. This product cannot be used to clean the following food contact surfaces: utensils, glassware and dishes.

For use on non-food contact surfaces as a general disinfectant in the brewery industry: Use 1-2 ounces of this product (product name) per gallon of water (or equivalent use dilution) (703-1406 ppm active quat). Follow the Disinfectant directions above.

BACTERICIDAL ACTIVITY - When diluted at the rate of 1-2 fluid ounces per gallon of water (or equivalent use dilution), this product (product name) exhibits effective disinfectant activity against the organisms: {insert bacteria from the Micro-Organism Table} on hard, non-porous surfaces and meets all requirements for hospital use.

EFFICACY TESTS HAVE DEMONSTRATED THAT THIS PRODUCT IS AN EFFECTIVE BACTERICIDE, FUNGICIDE, AND VIRUCIDE* IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).

FUNGICIDAL ACTIVITY - At the 1-2 fluid ounces per gallon dilution (or equivalent use dilution), this product (product name) is also fungicidal against the pathogenic fungi, *Trichophyton interdigitale* (Athlete's Foot Fungus), when used as directed on hard, non-porous surfaces found in bathrooms, shower stalls, locker rooms, exercise facilities or other clean, hard, non-porous, surfaces commonly contacted by bare feet.

***VIRUCIDAL ACTIVITY** – This product (product name), when used on environmental, inanimate, hard, non-porous surfaces at 1-2 fluid ounces per gallon of water (or equivalent use dilution), exhibits effective virucidal activity against {insert virus from Micro-Organism Table} in 10 minutes (and SARS-CoV-2 in 1 minute).

{Note to reviewer: this section is required if making an HIV-1, HBV, and/or HCV claim on product label.}

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).

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HBV AND HCV ON 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 (product name).

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.

[(ODOR) (AND) (OR) (STAIN) (CAUSING)] MILDEW ACTIVITY - To control [(odors) (and) (or) (stains)] caused by mold and mildew on pre-cleaned, hard, non-porous surfaces, add 1 fluid ounce of this product (product name) per gallon of water (or equivalent use dilution). Apply solution with a (mop,) (cloth,) (sponge,)) (hand pump trigger sprayer) (or) (low pressure coarse 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.

<Note: one of the following statements must appear after the dilution use directions>

BACTERICIDAL STABILITY of USE-DILUTION: Efficacy tests confirm that (this product or product name) when diluted as directed remains effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus* and *Salmonella enterica* for (up to one month) (up to 30 days) (up to 4 weeks) when stored in a sealed container such as a spray bottle. If the (use-dilution) (use-solution) (diluted product) becomes visibly dirty or contaminated, it must be discarded and fresh (use-dilution) (use-solution) (diluted product) must be prepared. Always use clean, properly labeled containers when diluting (this product or product name). Bactericidal stability of the (use-dilution) (use-solution) (diluted product) does not apply to open containers such as buckets or pails.

(or)

Prepare a fresh (use-dilution) (use-solution) daily or more often if the (use-dilution) (use-solution) becomes visibly dirty or diluted.

(or)

Prepare a fresh solution for each use.

GENERAL CLEANING – Apply this product (product name) to soiled area with a mop, cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer. This product (product name) can be diluted at 1-2 ounces per gallon or applied at full strength. Thoroughly wet soiled surface and scrub as necessary.

GLASS CLEANING: Dilute 1 oz. of product per gallon of water (or equivalent dilution). Spray onto glass surface. Use through a coarse hand pump trigger sprayer device. Do not breathe spray. Wipe dry with an absorbent cloth or towel.

DEODORIZATION - To deodorize, apply this product (product name) as indicated under the heading DISINFECTION.

General Deodorization: To deodorize, add 1-2 ounces of this product (product name) to one gallon of water (or equivalent use dilution) (703-1406 ppm active quat). Allow to air dry.

For Deodorizing Garbage Cans, Garbage Trucks, Industrial Waste Receptacles, and Garbage Handling Equipment: It is especially important to pre-clean for the product to perform properly. Then apply a wetting concentration of 3.5 ounces of this product (product name) per gallon of water (or equivalent use dilution) (2,460 ppm quat active).

For Odors Caused by Dogs, Cats and Other Domestic Animals: Use on rugs, floors, walls, tile, cages, crates, 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**.

SITE AND APPLICATION SPECIFIC DIRECTIONS FOR USE

APPLICATIONS AND USE DILUTION

Poultry (And Swine) Premise (Disinfection): Product may only be used on hard, non-porous surfaces for disinfection. Remove all animals and feeds from premises, trucks, cars, coops and crates. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Use 1-2 fluid ounce of this product (product name) per gallon of water (or equivalent use dilution). Saturate surfaces with the disinfecting solution and allow surfaces to remain visibly wet for a period of 10 minutes. Ventilate buildings, coops and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse. 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.

Veterinary Practice/Animal Care/Animal Laboratory/Zoos/Pet Shop/Kennels Disinfection Directions: For cleaning and disinfecting the following hard non-porous surfaces: equipment not used for animal food or water, utensils, instruments, cages, kennels, stables, catteries, etc. Remove all animals and feed from premises, animal transportation vehicles, crates, etc. Remove all litter, droppings and manure from floors, walls and surfaces occupied or traversed by animals. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution of 1-2 fluid ounces of this product (product name) per gallon of water (or equivalent dilution) and allow surfaces to remain visibly wet for a period of 10 minutes. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried.

Disinfection/Fungicide/Virucide* of Poultry/Turkey Equipment, Equine Quarters, Swine Quarters, Animal Quarters and Kennels Directions: Product may only be used on hard, non-porous surfaces for disinfection. Remove all animals and feeds from premises, vehicles and enclosures such as coops and crates. Remove all litter, droppings and manure from floors, walls, and surfaces of barns, pens, stalls, chutes, and other facilities and fixtures occupied or traversed by animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Use 1-2 fluid ounces of this product (product name) per gallon of water (or equivalent use dilution) (703-1406 ppm active quat). Saturate surfaces with the recommended use-solution and allow surfaces to remain visibly wet 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.

After application, ventilate buildings, coops and other closed spaces. Do not house poultry or other animals or employ equipment until treatment has been absorbed, set or dried.

All treated equipment that will contact feed or drinking water (racks, troughs, automatic feeders, fountains and waterers) must be thoroughly scrubbed with soap or detergent, then rinsed with potable water before reuse.

Farm Premise Use: Product may only be used on hard, non-porous surfaces for disinfection. Do not use in milking stalls, milking parlors or milk houses. Remove all animals and feed from premises, vehicles and enclosures. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other facilities and fixtures occupied or traversed by animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate all surfaces with a use-solution of 1-2 fluid ounces of this product (product name) per gallon of water (or equivalent dilution) and allow surfaces to remain visibly wet 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 in removing litter and manure. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.

Hatcheries: Use 1-2 fluid ounces of this product (product name) per gallon of water (or equivalent use dilution) to treat the following hard non-porous surfaces: hatchers, setters, trays, racks, carts, sexing tables, delivery trucks and other hard surfaces. Leave all treated surfaces exposed to disinfectant solution visibly wet for 10 minutes or more. Rinse with potable water before reuse. Then allow to air dry.

Vehicles: Product may only be used on hard, non-porous surfaces for disinfection. Clean all vehicles including mats, crates, cabs, and wheels with high pressure water and this product (product name). Use 1-2 fluid ounce per gallon of water (or equivalent use dilution) to treat all vehicles. Leave all treated surfaces exposed to disinfectant solution visibly wet for 10 minutes or more.

Shoe Bath Sanitizer Directions: Shoe baths containing one inch of freshly made solution should be placed at all entrances to buildings, hatcheries and at all the entrances to the production and packaging rooms. Scrape waterproof shoes and place in 1 ounce of this product (product name) per gallon of water (or equivalent use dilution) solution for 10 minutes prior to entering area. Change the use-solution in the bath daily or sooner if solution appears dirty.

Dressing Plant Use: Disinfect hard, non-porous equipment, utensils, walls and floors in poultry and animal dressing plants. Disinfect offal rooms, exterior walls and loading platforms of dressing plants. Cover or remove all food and packaging materials. Remove all gross soils. Saturate all surfaces with the use-solution, 1-2 fluid ounce of this product (product name) per gallon of water (or equivalent use dilution). Scrub to loosen all soils. Allow to soak for 10 minutes and thoroughly rinse all wetted and cleaned surfaces with potable water.

Ultrasonic Bath Disinfectant Directions: Use this product (product name) to disinfect hard non-porous non-critical objects compatible with Ultrasonic cleaning units. Pour fresh solution at 1-2 fluid ounce of this product (product name) per gallon of water (or equivalent use dilution) directly into bath chamber. Pre-clean visibly soiled objects. Place objects into unit and operate for a minimum of 10 minutes, according to the manufacturer's directions. Remove objects and wash with sterile water (sterile water for injection) or allow to air dry. Prepare fresh solution for each use.

Disinfection of Hard Non-Porous Surfaces in Whirlpool Units: After using the whirlpool unit, drain and refill with fresh water to just cover the intake valve. Add 1-2 fluid ounce of this product (product name) for each gallon of fresh water (or equivalent use dilution) added. Start the pump to circulate the solution. Wash down the unit sides, seat of the chair, lift and (any) (all) related equipment with a clean swab, brush or sponge. Treated surfaces must remain visibly wet for 10 minutes. After the unit has been thoroughly cleaned, drain the solution from the unit and rinse (any) (all) cleaned surfaces with fresh water. Repeat for visibly soiled units.

Commercial Florist Use Directions: To clean, disinfect and deodorize hard non-porous surfaces in one step^{1,3}, prepare use-solution by adding (mixing) 1-2 fluid ounces per gallon of water (or equivalent use dilution). For heavy-duty use, add (mix) 4 ounces per gallon of water.

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 required, with a cloth, mop, brush, sponge or sprayer.

For visibly soiled areas, a preliminary cleaning is required.

For sprayer applications, use a coarse mist pump or trigger sprayer. Spray 6-8 inches from surface; rub with brush, sponge or cloth. Do not breathe spray mist.

Treated surfaces must remain visibly wet for 10 minutes. Allow to air dry.

Prepare a fresh solution at least daily or sooner if use-solution becomes visibly dirty.

SALON/BARBER INSTRUMENTS AND TOOLS SANITIZER DIRECTIONS: Pre-clean soiled instruments and tools. Completely immerse water safe non-porous instruments and tools in a use-solution of 0.28 fluid ounce of this product (product name) per gallon of water (or equivalent use dilution) (200 ppm active quaternary) for at least 60 seconds. Rinse thoroughly and dry instrument before reuse. A fresh use-solution should be prepared daily or more often if the use-solution becomes cloudy.

Disinfection of Barber/Salon Tools Directions: Immerse pre-cleaned barber/salon tools (combs, brushes, razors, manicure/pedicure tools, clippers, scissors, trimmer blades) in a 1-2 fluid ounces of this product (product name) per gallon of water use-solution (or equivalent dilution) (703 ppm active quaternary) for at least 10 minutes. Rinse instruments thoroughly and dry before reuse. A fresh use-solution should be prepared daily or more often if the use-solution becomes 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 immersion may cause damage to stainless steel or metal instruments.

To Control [(Odor) (and) (or) (Stain) (Causing)] 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 4 fluid ounces of this product (product name) per 4 gallons of water (1 fluid ounce per gallon of water) (703 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.

(Not for use in California)

WATER AND SMOKE DAMAGE RESTORATION AGAINST ODOR-CAUSING BACTERIA AND FUNGI FOR INSTITUTIONAL AND INDUSTRIAL USE:

This product (product name) is particularly suitable for use in water damage restoration situations against odor causing bacteria on the following porous and semi-porous materials: carpets, carpet cushion, sub floors, drywall, trim, and frame lumber, tackless strip and paneling. Mix 1 fluid ounce of this product (product name) per gallon of water (or equivalent use dilution), saturate affected materials with enough use-solution to remain visibly wet for at least 10 minutes. Use proper ventilation.

Sewer backup & river flooding-odor causing bacteria and fungi treatment: During mitigation procedures, dilute 1 to 2 fluid ounces of this product (product name) per gallon of water allowing for the diluting effect of absorbed water within saturated materials. Remove visible filth or soil along with non-salvageable materials. Saturate all affected areas with a sprayer using a coarse spray tip, before and after cleaning and extraction.

Carpets, carpet cushions and other porous materials such as sub floors, drywall, trim and frame lumber, tackless strip and paneling-odor causing bacteria and fungi treatment: For water damage from a clean water source, extract excess water. Test hidden area for colorfastness. Mix 1 to 2 fluid ounces of this product (product name) per gallon of water (or equivalent use dilution), allowing for the diluting effect of absorbed water within saturated materials. Remove visible filth or soil. Apply directly with a sprayer using a coarse spray tip, 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. Dry rapidly and thoroughly.

Special Instructions for Cleaning Carpet Against Odor Causing Bacteria: This product (product name) may be used in industrial and institutional areas: motels and hotels, nursing homes, and schools. For use on wet cleanable synthetic fibers, do not use on wool. Vacuum carpet thoroughly prior to cleaning. Test fabric for colorfastness.

For portable extraction units: Mix 1 fluid ounce of this product (product name) per gallon of water (or equivalent use dilution).

For truck mounted extraction machines: Mix 24 fluid ounces of this product (product name) per gallon of water and meter at 4 gallons per hour.

For rotary floor machines: Mix 2 fluid ounces of this product (product name) per gallon of water and apply at the rate of 300-500 sq. ft. per gallon.

Do not mix this product (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 and protect the carpet from furniture legs and bases while drying. Do not over wet. If applied to stain resistant nylon carpet, apply a fabric protector according to the carpet manufacturer's directions.

Carpet Deodorizer against Odor-Causing Bacteria for Institutional and Industrial Use: This product (product name) deodorizes the carpet by controlling/reducing the growth of odor-causing bacteria. It can be used in industrial and institutional areas: motels, hotels chains, nursing homes.

Vacuum carpet thoroughly prior to application. Mix 1 fluid ounce of this product (product name) per gallon of water (or equivalent use dilution). Follow the Injection and/or Extraction procedures as specified for any conventional steam cleaning equipment you are using. For rotary floor machines, mix 2 ounces per gallon of water (or equivalent use dilution) and spray on carpet at a rate of 300-500 sq. ft. per gallon.

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.

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 (product name) should not be mixed with other cleaning products.

Smoke Damage Restoration: This product (product name) is effective against odor causing bacteria and fungi in institutional, industrial and medical premises. This product (product name) is particularly suitable for use in smoke damage restoration situations against odor causing bacteria on the following porous and semi-porous materials: carpets, carpet cushion, sub floors, drywall, trim and frame lumber, tackless strip and paneling. Follow directions as outlined in the Water

Damage Restoration section. Using solutions, saturate affected materials with enough product to remain visibly wet for at least 10 minutes. Use proper ventilation.

(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: No potable water rinse statement is required for the below Food Contact Sanitization Directions for Use- all other uses will require a potable water rinse as stated under main Directions for Use heading}

FOOD CONTACT SURFACE SANITIZATION – For use in restaurants, dairies, food processing plants, and bars. When used as directed, this product (product name) is an effective sanitizer against *Escherichia coli* and *Staphylococcus aureus*.

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. To sanitize pre-cleaned and potable water-rinsed, hard, non-porous, food contact surfaces, prepare a 200 ppm active quaternary solution by adding 1 fluid ounce of this product (product name) to 3.5 gallons of water (or equivalent use dilution).

From a closed loop dilution center: Apply 200 ppm active solution to the surface to be sanitized. Surfaces should remain visibly wet for at least 1 minute, followed by adequate draining and air drying.

To sanitize immobile items such as tanks, chopping blocks, and counter tops, flood the area with a 200 ppm active quaternary solution or apply with a (cloth) (sponge) (hand pump trigger sprayer) (or) (low pressure coarse sprayer) making sure to visibly wet all surfaces completely for at least 60 seconds. Let air dry. Prepare a fresh solution for each use.

To sanitize mobile items such as drinking glasses and eating utensils, immerse in a 200 ppm active quaternary solution for at least 60 seconds making sure to immerse completely. Let air dry. Prepare a fresh solution daily or more frequently as soil is apparent.

When used for sanitization of previously cleaned food equipment or food contact items, limit active quaternaries to 200 ppm. NO POTABLE WATER RINSE IS REQUIRED. This product is an effective sanitizer when diluted in water up to 250 ppm hardness (as CaCO₃).

At 1 fluid ounce per 3.5 gallons of water (or equivalent dilution), this product (product name) eliminates 99.999% of *Escherichia coli* and *Staphylococcus aureus* in 60 seconds in 250 ppm water hardness (as CaCO₃) when tested according to the AOAC Germicidal and Detergent Sanitizing Action of Disinfectants method.

DIRECTIONS FOR SANITIZING FOOD PROCESSING EQUIPMENT, UTENSILS, AND FOOD CONTACT ARTICLES REGULATED BY 40CFR sec 180.940.

1. Scrape, flush or pre-soak articles (whether mobile or stationary) to remove gross food particles and soil.
2. Thoroughly wash articles with an appropriate detergent or cleaner.
3. Rinse articles thoroughly with potable water.
4. Sanitize articles using a solution of 1 fluid ounce of this product (product name) per 3.5 gallons of water (or equivalent dilution) (200 ppm active quaternary). Articles that can be immersed in use-solution should remain in solution for 60 seconds. Articles too large for immersion should be thoroughly wetted by rinsing, spraying or swabbing.
5. Remove immersed items from use-solution to drain and then air dry. Non-immersed items should also be allowed to air dry.

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

CLEANING AND SANITIZING: Equipment and utensils shall be thoroughly pre-flushed or pre-scraped, and when necessary, pre-soaked to remove gross food particles and soil.

1. Thoroughly wash equipment and utensils in a hot detergent solution. Rinse utensils and equipment thoroughly with potable water.
2. Sanitize equipment and utensils by immersing in 1 fluid ounce of this product (product name) per 3.5 gallons (or equivalent dilution) of water (200 ppm active quaternary) for at least 60 seconds at a temperature of 75°F. This dilution is equivalent to a solution containing 50 ppm available chlorine.
3. Allow sanitized surfaces to drain and air dry. Do not rinse.
4. For equipment and utensils too large to sanitize by immersion, apply 1 fluid ounce of this product (product name) per 3.5 gallons of water (or equivalent dilution) (200 ppm active quaternary) by rinsing, spraying or swabbing. Allow the items to remain visibly wet for at least 60 seconds, then let air dry. Do not rinse.

Sanitizing of Food Processing Equipment (Ice Machines) and Other Hard Surfaces In Food Contact Locations: For sanitizing food processing equipment, dairy equipment, refrigerated storage and display equipment and other hard, non-porous surfaces. Equipment and utensils must be thoroughly pre-flushed or pre-scraped and when necessary pre-soaked to remove gross food particles. NO POTABLE RINSE IS REQUIRED.

1. Turn off refrigeration.
2. Thoroughly wash surfaces with a compatible detergent or cleaner, then rinse thoroughly with potable water.
3. Apply a solution of 1 fluid ounce of this product (product name) in 3.5 gallons of water (or equivalent use dilution) (200 ppm active quaternary) by low pressure coarse sprayer, direct pouring or by recirculating through the system. Surfaces must remain visibly wet for at least one minute followed by complete draining and drying. Fresh solution should be prepared for each cleaning. No potable water rinse is required when product is used as directed.
4. Return machine to service.

Directions for Restaurant and Bar Sanitizer: Equipment and utensils should be thoroughly pre-flushed or pre-scraped and when necessary pre-soaked to remove visible food particles and soil. Then thoroughly wash or flush objects with a good detergent or compatible cleaner followed by a potable water rinse before application of sanitizing solution.

For pre-cleaned dishes, glassware, silverware, cooking utensils, immerse in a solution containing 1 fluid ounce of this product (product name) per 3.5 gallons of water (or equivalent use dilution) (200 ppm active quaternary).

(Alternative language for clean in place, closed loop dilution centers.)

For use as a sanitizer on dishes, glassware, silverware, cooking utensils. For visibly soiled areas, remove food particles by pre-flush, pre-scrape and pre-soak when necessary. Wash thoroughly with detergent or compatible cleaner then rinse with potable water prior to application of this product. Then immerse in a sanitizing solution from Closed Loop Dilution Center (200 ppm active quaternary). Allow surface to remain visibly wet for at least 60 seconds. Drain thoroughly before reuse. No rinse is required.

Directions For Sanitizing Food Processing Equipment and Dairies: Equipment and utensils must be thoroughly pre-flushed or pre-scraped and when necessary pre-soaked to remove gross food particles. Thoroughly wash surfaces with a compatible detergent or cleaner, then rinse thoroughly with potable water. Apply sanitizing solution containing 1 fluid ounce of this product (product name) per 3.5 gallons of water (or equivalent use dilution) (200 ppm active quaternary). Surfaces must remain visibly wet for at least 60 seconds by immersion or with a (cloth) (mop) (sponge) (or) (sprayer). Allow equipment and utensils to drain thoroughly and air dry before reuse. No rinse is required.

Beverage Dispensing Equipment Sanitizer Directions: For sanitizing of bottling or pre-mix dispensing equipment, thoroughly wash surfaces with a compatible detergent or cleaner, then rinse thoroughly with potable water. Fill equipment with a solution of 1 fluid ounce of this product per 3.5 gallons of water (or equivalent use dilution) (200 ppm active quaternary). Allow use-solution to remain in equipment for at least 60 seconds, or until operations resume at which time the use-solution should be drained from the system. To insure the removal of flavors, it is suggested that during changeover between products the system should be cleaned, rinsed and flushed with the use-solution for at least 1 minute. Drain thoroughly and allow to air dry before reuse. No rinse required.

Sanitary Filling Equipment Sanitizer Directions: For use in sanitizing bottles or cans in the final rinse application. The product (product name) is to be proportioned into the final rinse water line of the container washer or rinser in the concentration of 200 ppm active quaternary. Prepare a solution of 1 fluid ounce of this product (product name) per 3.5 gallons of water (or equivalent use dilution) (200 ppm active quaternary) for the exterior application for the filler and closing machine. Allow surfaces to remain visibly wet for at least 60 seconds. Drain thoroughly and allow to air dry before reuse. No rinse required.

Storage Tank Sanitizer Directions: For sanitizing beer fermentation and holding tanks, citrus and food processing storage and holding tanks. Thoroughly wash surfaces with a compatible detergent or cleaner, then rinse thoroughly with potable water. Prepare a solution of 1 fluid ounce of this product (product name) per 3.5 gallons of water (or equivalent use dilution) (200 ppm active quaternary) for mechanical or automated systems. Allow surfaces to remain visibly wet for at least 60 seconds. Drain thoroughly before reuse. No rinse required. For mechanical operations or automated systems, the used sanitizing solution may not be reused for sanitizing.

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 good detergent or compatible cleaner, rinse equipment thoroughly with potable water, then rinse equipment with sanitizing solution. To sanitize the belt, apply this product at a 200 ppm quaternary level (1 fluid ounce per 3.5 gallons of water) (or equivalent use dilution) to conveyors with suitable feeding equipment. Do not allow this use-solution to be sprayed directly on food. Controlled volumes of sanitizer are applied to the return portion of conveyor through nozzles so located as to permit maximum drainage of sanitizer from equipment and to prevent puddles on top of the belt. During interruptions in operation, coarse spray the equipment, peelers, collators, slicers and saws with this product at a dilution of 200 ppm active quaternary. Conveyor equipment should be free of product when applying this coarse spray. Surfaces should remain visibly wet for at least 1 minute.

For Sanitizing In Fisheries, Milk, Citrus, Potato and Ice Cream Processing Plants: For use as a sanitizer on conveyor belts and equipment to reduce or eliminate odors in the processing area. Also, for use on filling equipment to reduce bacteria associated with condensation on equipment and pipes. Follow directions for sanitizing food contact surfaces.

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.

PESTICIDE DISPOSAL - Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL - <i>(mandatory language - choose applicable directions)</i>	
<i>For products only with household/residential use sites</i>	Nonrefillable container. Do not reuse this container. Triple rinse or equivalent. Then offer for recycling or reconditioning. If not available, dispose in trash
<i>For products with industrial, institutional, and commercial use sites</i>	Nonrefillable container. Do not reuse this container. Triple rinse or equivalent.
<i>For refillable container</i>	Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Follow Pesticide Disposal instructions for rinsate disposal. Repeat procedure two more times. Offer container for recycling if available or reconditioning if appropriate or place in trash.
<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.

For containers greater than 5 gallons	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.
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PACKET DISPOSAL – Do not reuse; discard empty container and put in trash

(1) (2) OUNCE PACKET LABEL TO BE USED WITH MASTER CONTAINER LABEL:

MIX EACH PACKET WITH 1 GALLON OF WATER

NP 9.0
DETERGENT/DISINFECTANT

EPA Reg. No. 1839-81

EPA Est. No. (as indicated on container) (Lot code may designate establishment number.)

NET CONTENTS: (1) (2) FLUID OZ.

ACTIVE INGREDIENTS:

n-Alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈)	
dimethyl benzyl ammonium chlorides.....	4.5%
n-Alkyl (68% C ₁₂ , 32% C ₁₄)	
dimethyl ethylbenzyl ammonium chlorides	4.5%
INERT (OTHER) INGREDIENTS	91.0%
TOTAL	100.0%

KEEP OUT REACH OF CHILDREN
DANGER

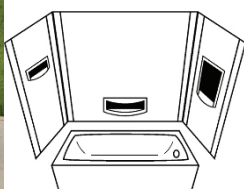
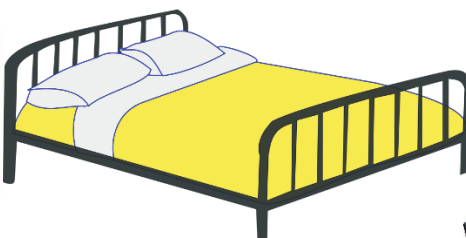
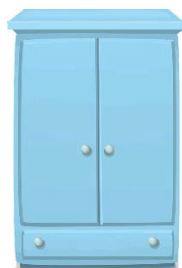
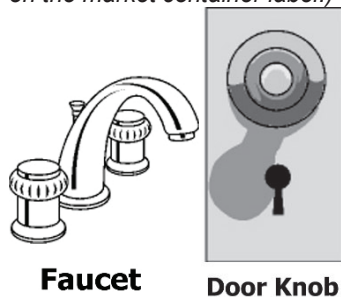
SEE OUTER CONTAINER FOR PRECAUTIONARY STATEMENTS AND USE DIRECTIONS

DISPOSAL: Do not reuse container. Wrap and put in trash collection.

STEPAN COMPANY
22 W. Frontage Rd.
Northfield, IL 60093

Graphics

(Note to Reviewer: These are representative icons 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. The below graphics are options and may be presented as seen below or may differ slightly in graphic design but not intent on the market container label.)



Tub and Shower walls



La Hacienda

Bracketed information is denoted as: {insert as noted }, (optional text), [required qualifier].
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 may be added as optional, supplemental information.

