



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

November 17, 2022

Amanda Burwell
Biocide Registration Manager for,
Stepan Company
Electronic Transmittal: [Amanda.Burwell@Stepan.com]

Subject: PRIA Label and CSF Amendment –Adding new organisms and efficacy claims to the label and increasing the lower Certified Limits (Basic thru Alt. # 1-3)
Product Name: NP 4.5 Detergent/Disinfectant
EPA Registration Number: 1839-79
Received Date: June 24, 2022
Action Case Number: 00373820

Dear Ms. Burwell:

The amended label and CSF(s) referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, are 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.

Please note that the record for this product currently contains the following CSF(s):

- Basic CSF dated 11/02/2022
- Alternate CSF 1 dated 11/02/2022
- Alternate CSF 2 dated 11/02/2022
- Alternate CSF 3 dated 11/02/2022

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 with FIFRA section 6. If you have any questions, please contact Karen M. Leavy by phone at (703)-308-6237, or via email at Leay.Karen@epa.gov.

Sincerely,



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

Enclosure: Stamped Label

NP 4.5 Detergent/Disinfectant

Front Panel

ACTIVE INGREDIENTS

| | |
|---|---------------|
| n-Alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈) dimethyl benzyl ammonium chlorides | 2.25% |
| n-Alkyl (68% C ₁₂ , 32% C ₁₄) dimethyl ethylbenzyl ammonium chlorides | 2.25% |
| INERT INGREDIENTS | 95.50% |
| Total | 100.00% |

A C C E P T E D

11/17/2022

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 1839-79

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. Full first aid statement may be placed on front panel in lieu of the abbreviated version.}

| 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 a poison control center or doctor for treatment advice. |
| (OPTIONAL) You may contact 1-800-424-9300 (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. Where feasible, all first aid statements should all appear on the front panel. For products packaged in smaller outer containers, where space does not feasibly allow all first aid statements to be placed, the categories above must be placed on the front panel and the additional first aid statements as noted in the full first aid statement table may be placed on an alternate panel or collateral labeling with an appropriate referral statement as noted below.}

See (side) (back) (left) (right) (inside) (below) (booklet) (insert) panels for (precautionary statements) (additional first aid) (and) (directions for use).

FRONT, BACK OR SIDE PANEL

EPA REG. NO. 1839-79

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.}

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

STEPAN COMPANY

1101 Skokie Blvd, Suite 500

Northbrook, IL 60062

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 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 a poison control center or doctor for treatment advice. |
| If swallowed: | <ul style="list-style-type: none"> • Call a 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) You may contact 1-800-424-9300 (xxx/xxx-xxxx) for emergency medical treatment information. | |

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

ENVIRONMENTAL HAZARDS

This product is toxic to fish, aquatic invertebrates, oysters and shrimp. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

MICRO-ORGANISMS

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

| ORGANISM | STRAIN ID | CONTACT TIME |
|---|--|--------------|
| Bactericidal Activity: | | |
| Brevibacterium ammoniagenes | ATCC 6871 | 10 minutes |
| Klebsiella aerogenes | ATCC 13048 | 10 minutes |
| Escherichia coli | ATCC 11229 | 10 minutes |
| Klebsiella pneumoniae | ATCC 4352 | 10 minutes |
| Methicillin resistant Staphylococcus aureus (MRSA) | ATCC 33593 | 10 minutes |
| Pseudomonas aeruginosa (PRD 10) | ATCC 15442 | 10 minutes |
| Salmonella enterica | ATCC 10708 | 10 minutes |
| Salmonella schottmuelleri | ATCC 8759 | 10 minutes |
| Shigella dysenteriae | ATCC 12180 | 10 minutes |
| Staphylococcus aureus | ATCC 6538 | 10 minutes |
| Streptococcus faecalis | ATCC 10541 | 10 minutes |
| Streptococcus pyogenes | (Clinical - Flesh Eating Strain BIRD M3) | 10 minutes |
| Streptococcus salivarius | ATCC 9222 | 10 minutes |
| Vancomycin intermediate resistant Staphylococcus aureus | HIP-5836 | 10 minutes |

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

| | | |
|---|--|------------|
| (VISA) | | |
| Listeria monocytogenes | ATCC 984 | 10 minutes |
| *Virucidal Activity: | | |
| Adenovirus Type 2 | Gibraltar, H Ep. 2 | 10 minutes |
| Avian Influenza A Virus (H3N2) (Avian Reassortant) | ATCC VR-2072 | 10 minutes |
| 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 Virus Type 1 | ATCC VR-733 | 10 minutes |
| Human Coronavirus | (Strain 229E) ATCC VR-740 | 10 minutes |
| Human Immunodeficiency Virus Type 1 (HIV-1) | HTLV-III _{RF} | 10 minutes |
| Influenza A ₂ -Virus | 305/57 | 10 minutes |
| Norovirus (Norwalk Virus) | University of Ottawa | 10 minutes |
| H1N1 Influenza A Virus | ATCC VR-1469 | 10 minutes |
| Porcine Respiratory & Reproductive Syndrome Virus (PRRSV) | NVSL | 10 minutes |
| SARS Associated Coronavirus | ZeptoMetrix | 10 minutes |
| Vaccinia Virus | ATCC VR-119 | 10 minutes |
| SARS-Related Coronavirus 2 [SARS-CoV-2] | USA-WA1/2020 BEI NR-52281 | 1 minute |
| Canine Parvovirus | CPV-2b/Eu | 10 minutes |
| Canine Adenovirus | American BioResearch Laboratories | 10 minutes |
| Canine Coronavirus | American BioResearch Laboratories | 10 minutes |
| Canine Parainfluenza Virus | CPI/PI-2 American BioResearch Laboratories | 10 minutes |
| Feline Panleukopenia Virus | American BioResearch Laboratories | 10 minutes |
| Feline Rhinotracheitis Virus | American BioResearch Laboratories | 10 minutes |
| Feline Coronavirus | American BioResearch Laboratories | 10 minutes |
| Feline Picornavirus | ATCC VR-653 | 10 minutes |
| Porcine Parvovirus | American BioResearch Laboratories/VMRD | 10 minutes |
| Fungicidal Activity: | | |
| Trichophyton interdigitale | ATCC 9533 | 10 minutes |
| Mildewstat Activity: | | |
| Aspergillus niger | ATCC 6275 | 10 minutes |

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SURFACES & USE SITES

Note to Reviewer: Product label may include a graphic depiction of surfaces or sites listed on the EPA-approved master label. [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:

| | | |
|---|---|--|
| Appliances | Freezer exteriors | Protective headgear ¹ |
| Automobile interiors | Full face breathing apparatus ¹ | Racks |
| Bathroom fixtures | Garbage cans | Refrigerated (storage)(and)(display)(equipment) ⁹ |
| Bathrooms | Gas masks ¹ | Refrigerator bins ⁹ |
| Bathtubs | Glass | Refrigerator exteriors |
| Bed frames | Glassware ² | Restroom fixtures |
| Beer fermentation equipment ² | Glazed ceramic | Restrooms |
| Beer holding tanks ² | Glazed ceramic tile | Scales ³ |
| Blenders | Glazed porcelain | Sealed granite |
| Bottling equipment ² | Glazed porcelain tile | Sealed marble |
| Cabinets | Glazed tiles | Shelves |
| Cages | (UV Protective) Goggles ¹ | Shower (doors)(curtains) |
| Carts | Half mask respirators ¹ | Shower (stalls)(doors) |
| CAT ³ | Hard hats ¹ | Shower stalls |
| Chairs | Hearing protectors ¹ | Silverware ² |
| Chrome | Heat pumps | Sink tops |
| Chrome plated intakes | Hospital beds | Sinks |
| Citrus holding tanks | Ice chests ⁹ | Slurppy® machines ^{2, 9} |
| Citrus processing equipment | Ice machines ^{2,9} | Spectacles ¹ |
| (Coils)(and)(Drain pans) of (Air conditioning)(Refrigeration) equipment | Inflatable advertising structures | Stainless steel |
| Cooking utensils ² | Inflatable play structures | Stainless steel surfaces |
| Coolers ⁹ | Kennel runs | Stovetops ⁹ |
| Countertops ² | Kennels | Tables |
| Cutlery (and)(other)(utensils) ² | Kitchen equipment ² | Telephones |
| Desks | Kitchens ² | Toilet bowl surfaces |
| Dining room surfaces ² | Lifts | Toilets |
| Dishes ² | Metal surfaces ³ | Traction devices |
| Doorknobs | Mirrors | Tubs |
| Ear muffs ¹ | MRI equipment ³ | Ultrasonic baths |
| Enameled surfaces | Non-food contact equipment | Urinals |
| Examining tables ³ | Operating rooms ³ | Vanity tops |
| Exercise equipment | Outdoor furniture (except cushions and wood frames) | Vinyl |
| Exercise mats | Defibrillator Paddles ³ | Vinyl (and)(plastic) upholstery |

| | | |
|--|---|----------------|
| Exhaust fans | Painted woodwork | Walls |
| Exteriors of (microwaves)(refrigerators)(stoves)(kitchen appliances) | Patient care equipment ³ | Washable walls |
| Face shields ¹ | Personal protective safety equipment ¹ | Wheelchairs |
| Floors | Picnic tables (non-wooden) | Whirlpools |
| Food (preparation)(and)(storage)(areas) ² | (Plastic)(and)(other)(non-porous) cutting boards ² | Windows |
| Food processors ² | Portable toilets | Wrestling mats |
| Formica® | Pre-mix dispensing equipment | Toilet bowls |
| UV tanning beds (and devices) ⁹ | | |

Use Sites

| | | |
|-------------------------------------|--|--------------------------------------|
| (Athletic)(Recreational) facilities | Egg processing plants ² | Motels |
| Airline terminals | Equine farms | Movie houses |
| Airplanes | Factories | Museums |
| Amphitheaters | Fast food operations ² | Mushroom farms ² |
| Animal care facilities | (Fish)(Milk)(Citrus)(Ice cream)(Potato) processing facilities ² | Nursing homes |
| Animal life science laboratories | Flower shops | Office buildings |
| Art galleries | Food processing plants ² | Operating rooms ³ |
| Athletic facilities | Food service establishments ² | Patient care facilities ³ |
| Attics | Food storage areas ² | (Performance)(Theatre) centers |
| Automotive garages | Funeral homes | Pet animal quarters |
| Automotive garages | (Hair)(Nail)(Pedicure) salons | Pet shops |
| Autopsy rooms | Health clubs | Play grounds |
| Banks | Hog farms | Porches |
| (Barber)(Beauty) shops | Hospitals ³ | Post offices |
| Bars ² | Hotels | (Poultry)(Turkey) farms |
| Basements | Household(s) | Recreational facilities |
| Bathrooms | Household areas | Recycling (centers)(equipment) |
| Bedrooms | Institutional (bathrooms)(kitchen) ² (facilities) | Restaurants ² |
| Boats | Institutions | Restrooms |
| (Breeding)(Grooming) establishments | Isolation wards | Retail businesses |
| Burial vaults | Kennels | (Retail)(Wholesale) establishments |
| Buses | Kitchen ² | Schools |
| (Business)(Office) buildings | Laboratories | Shipping terminals |
| Cafeterias ² | Laundries | Ships |
| Camp grounds | Libraries | Spas |

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| | | |
|--------------------|--|--|
| Campers | Living rooms | Sports stadiums |
| Cars | Locker rooms | Supermarkets ² |
| Cellars | Lodging establishments | Tack shops |
| Churches | Manufacturing facilities | Tanning spas |
| Classrooms | (Massage)(Facial) salons | Tattoo parlors |
| Colleges | Mausoleums | Taxis |
| Commercial florist | (Meat)(Poultry) processing plants ² | Trailers |
| Convenience stores | (Meat)(Poultry)producing establishments ² | Trains |
| Convention centers | (Medical)(Dental)(offices)(clinics) ³ | Transportation terminals |
| Crime scenes | Medical research facilities | USDA inspected food processing facilities ² |
| Cruise lines | Mobile homes | Veterinary clinics |
| Dressing rooms | Mortuaries | Zoos |

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
- Fragrance-free
- Dye-free {Note to reviewer: In order to use this marketing bullet, product must be manufactured in accordance to with the Basic Formulation and Alternate Formulation 2 – without dye}
- This product (product name) is for use in institutional kitchens and bathrooms.
- (2X) (2x) (Concentrate) (Concentrated) (Compacted) (Compact) (Formula)
- XX% Less (Plastic) (Fuel) (Gas) (Water)
- (XX%) (more) (buckets) (per) (/) (bottle)
- (Equal) (=) to XX (fl. Oz.) (fluid ounces) non-concentrated
- (XX fluid ounces) (=) XX fluid ounces=XX Buckets
- This product (product name) is for use on washable, hard, non-porous surfaces: {insert surface from hard, non-porous surfaces table}
- This product (product name) is an economical concentrate that must be used with a mop and bucket, hand pump trigger sprayer, low pressure coarse sprayer or sponge.
- {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.}

CLEANING AND DEODORIZING

- CLEANER
- DETERGENT
- DEODORIZER
- 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.
- 2x Cleaning Power (on tough dirt) (per Fl. Oz.) (per Fluid Ounce)
- 2x Grease Fighting Power in Every Drop
- XX more freshness
- 2x More Dirt Fighting Power

- XX (Buckets) (Weeks) (Feet) (of clean) (Floors) (Rooms)
- XX Weeks (of clean)
- Multi-Surface Cleaner
- Cuts Grease
- Tough on grease
- Tough on sticky messes
- Leaves floors shiny
- Shines floors
- Cleans everyday kitchen messes.
- Cleans kitchen surfaces and food preparation areas.
- Cleans and shines.
- Great for use (on) (in) the (kitchen), (bathroom), (floors) and other household areas. Removes (eliminates) odors. Deodorizes.
- This product (product name) is used for non-scratch cleaning of showers and tubs, shower doors and curtains, fixtures and toilet bowls.
- Floor cleaner.
- This product (product name) may be relied on to deodorize coolers, buckets, garbage pails and other areas where obnoxious odors may develop.
- 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.
- 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.

DISINFECTION, *VIRUCIDAL, FUNGICIDAL, MIDEWSTATIC, BACTERICIDAL, SANITIZATION AND COMBINATION CLAIMS

- DISINFECTANT
- *VIRUCIDE
- FUNGICIDE (against pathogenic fungi)
- MILDEWSTAT (on hard, inanimate surfaces)
- SANITIZER
- 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 GERMS
- Kills viruses that cause flu⁶
- Kills H1N1 Influenza A virus (formerly called swine flu)
- NP 4.5 Detergent/Disinfectant (this product) (product name) is designed to provide effective cleaning, deodorization, sanitization⁷ and disinfection⁴ specifically for {insert use site(s) from Use Site table} where housekeeping is of prime importance in reducing the hazard of cross contamination.
- NP 4.5 Detergent/Disinfectant (this product) (product name) for use in: {insert use site(s) from Use Site table}
- This product (product name), when used as directed, is formulated to disinfect inanimate, hard surfaces: {insert surface from hard, non-porous surfaces table}
- For larger areas such as operating rooms, patient care facilities, and restrooms, this product (product name) is designed to provide both general cleaning and disinfecting.
- This product (product name), when used as directed, is formulated to disinfect inanimate, hard, non-porous, surfaces: {insert surface from hard, non-porous surfaces table}. For larger areas: operating rooms, patient care facilities and restrooms, this product is designed to provide both general cleaning and disinfecting.

- This product (product name) is a no rinse disinfectant cleaner that disinfects, cleans and deodorizes in one labor saving step^{2,4}.
- This product (product name) is a one step^{2,4} detergent disinfectant that is effective against a broad spectrum of bacteria, is 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) can be used as a disinfectant on hard, non-porous, environmental surfaces (at 703 ppm active).
- Disinfects kitchen (bathroom) surfaces. Kills germs. Kills household⁸ bacteria.
- Kills Athlete's Foot fungus, Trichophyton interdigitale, on bathroom surfaces.
- Kills common kitchen (bathroom) germs (and viruses*)¹⁰.
- This product (product name) is a versatile broad spectrum disinfectant formulated for use in Ultrasonic Baths.
- This product (product name) is a versatile cleaner and broad spectrum disinfectant formulated for use on bath and therapy equipment (whirlpools).
- Use this product (product name) to sanitize⁷ and disinfect⁴ non-porous salon/barber tools and instruments: combs, brushes, scissors, clippers, trimmers, razors, blades, tweezers and manicure instruments.
- This product controls (reduces) (eliminates) (neutralizes) (destroys) odors to make your home (kitchen) (bathroom) sanitary.
- Use this product (product name) to clean and disinfect⁴ 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.¹
- This product (product name) is a multi-surface cleaner, deodorizer and disinfectant⁴. Use on windows, mirrors, and other non-food contact glass surfaces.
- This product (product name) sanitizes previously cleaned and rinsed non-porous food contact surfaces such as tanks, chopping blocks, countertops, drinking glasses and eating utensils.
- This product (product name) meets requirements under 40CFR Section 180.940 for use as a sanitizer on food processing equipment, utensils, and other food contact articles (at a concentration of 200 - 400 ppm active quaternary) (without requiring a Potable Water Rinse⁷).
- This product (product name) is for use as a sanitizer on food contact surfaces (at 200 - 400 ppm quat active). (A potable water rinse is not allowed after use as a sanitizer on food contact surfaces.)
- This product (product name) was tested according to the AOAC Germicidal and Detergent Test ~~Standards~~ 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 ALLOWED.)
- This product (product name) is for use in sanitizing beer fermentation and holding tanks.
- Regular, effective cleaning and sanitization of equipment, utensils and dining surfaces that could harbor 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 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) must 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.
- This product (product name) cleans, deodorizes and disinfects⁴ hard non-porous household surfaces. It inhibits the growth of mold and mildew, leaving bathrooms and kitchens clean and fresh smelling.
- (This Product) (Kills) (is) (Effective against) (Eliminates 99.9%⁴) (of) (has demonstrated effectiveness against) the virus that causes COVID-19⁵ on hard non-porous surfaces (in) (just) 1 minute (60 seconds) (!)
- (This Product) (Kills) (is) (Effective against) (Eliminates 99.9%⁴) (of) (has demonstrated effectiveness against) SARS-CoV-2⁵ (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%⁴) (of) (has demonstrated effectiveness against) SARS-CoV-2⁵, which causes COVID-19 on hard non-porous surfaces (in) (just) 1 minute (60 seconds) (!)
- (This Product) (Kills) (is) (Effective against) (Eliminates 99.9%⁴) (of) (has demonstrated effectiveness against) SARS-Related Coronavirus 2⁵ (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%⁴) (of) (has demonstrated effectiveness against) SARS-CoV-2 virus⁵ 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%⁴) (of) the virus that causes COVID-19⁵ (in) (just) (One Step^{2,4})
- (This Product) Disinfects hard non-porous surfaces by killing (99.9%⁴) (of) SARS-CoV-24 (the Coronavirus that causes COVID-19) (in) (just) (One Step^{2,4})
- (This Product) Disinfects hard non-porous surfaces by killing (99.9%⁴) (of) SARS-CoV-24, which causes COVID-19 (in) (just) (One Step^{2,4})
- (This Product) Disinfects hard non-porous surfaces by killing (99.9%⁴) (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^{2,4})
- (This Product) Disinfects hard non-porous surfaces by killing (99.9%⁴) (of) SARS-CoV-2 virus⁵ responsible for the severe acute respiratory (syndrome) (COVID-19) (disease) (in) (just) (One Step^{2,4})
- (This Product) (Kills) (is) (Effective against) (Eliminates 99.9%⁴) (of) (has demonstrated effectiveness against) the virus that causes COVID-19⁵ on hard non-porous surfaces
- (This Product) (Kills) (is) (Effective against) (Eliminates 99.9%⁴) (of) (has demonstrated effectiveness against) SARS-CoV-2⁵ (the Coronavirus that causes COVID-19) on hard non-porous surfaces
- (This Product) (Kills) (is) (Effective against) (Eliminates 99.9%⁴) (of) (has demonstrated effectiveness against) SARS-CoV-2⁵, which causes COVID-19 on hard non-porous surfaces
- (This Product) (Kills) (is) (Effective against) (Eliminates 99.9%⁴) (of) (has demonstrated effectiveness against) SARS-Related Coronavirus 2⁵ (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%⁴) (of) (has demonstrated effectiveness against) SARS-CoV-2 virus⁵ responsible for the severe acute respiratory (syndrome) (COVID-19) (disease) on hard non-porous surfaces
- (This Product) Kills (99.9%⁴ of) SARS-CoV-2⁵, which causes COVID-19 on hard non-porous surfaces
- (This Product) Kills (99.9%⁴ of) SARS-CoV-2⁵, which causes COVID-19 on hard non-porous surfaces (in) (just) 1 minute (60 seconds) (!)

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.

- This Product)) Kills (99.9%⁴ of) SARS-CoV-24, which causes COVID-19 on hard non-porous surfaces (in) (just) (One Step^{2,4})
- (This Product) Kills (is) (Effective against) the virus that causes COVID-19⁵ on hard non-porous surfaces
- (This Product) (is) (Effective against) the virus that causes COVID-19⁵ on hard non-porous surfaces (in) (just) 1 minute (60 seconds) (!)
- (This Product) Kills (is) (Effective against) the virus that causes COVID-19⁵ on hard non-porous surfaces (in) (just) (One Step^{2,4})
- (This Product) Kills SARS-CoV-2⁵ (COVID 19 virus) (virus) on hard non-porous surfaces
- (This Product) Kills SARS-CoV-2⁵ (COVID 19 virus) (virus) on hard non-porous surfaces (in) (just) 1 minute (60 seconds) (!)
- (This Product) Kills SARS-CoV-2⁵ (COVID 19 virus) (virus) on hard non-porous surfaces (in) (just) (One Step^{2,4})
- (This Product) (is) Effective against SARS-CoV-2⁵ (COVID 19 virus) on hard non-porous surfaces
- (This Product) (is) Effective against SARS-CoV-2⁵ (COVID 19 virus) on hard non-porous surfaces (in) (just) 1 minute (60 seconds) (!)
- (This Product) (is) Effective against SARS-CoV-2⁵ (COVID 19 virus) on hard non-porous surfaces (in) (just) (One Step^{2,4})
- (This product) is a broad-spectrum, hard non-porous surface disinfectant that has been shown to be effective against SARS-CoV-2⁵ (COVID-19 virus tested and listed on the label)
- This product (product name) is an effective antimicrobial cleaner designed for use by wholesale and retail florists, shippers and greenhouses⁴.
- When used as directed, this product (product name) will disinfect hard, non-porous surfaces such as flower buckets, floors and walls of coolers, design and packing benches and counter tops.
- Use this product (product name) to clean, disinfect⁴ and deodorize flower buckets, walls and floors of coolers, shippers, greenhouse packing areas, garbage pails and other areas where obnoxious odors may develop.
- This product (product name) is for use as a general purpose antimicrobial detergent⁴ 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, babies breath, sweet peas, freesia and alstroemeria.
- This product (product name) is used 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 (product name) is used 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 used 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 (product name) is used for Swine Premise Sanitation; Waterers and Feeders, Hauling Equipment, Dressing Plants, Loading Equipment, Farrowing Barns and areas, Nursery, Blocks, Creep Areas, Chutes.
- One step^{2,4} cleaner.

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

- Eliminates odors caused by bacteria (and) (mildew) (and) (non-fresh foods). Kills odor causing bacteria in the kitchen (bathroom).

Qualifiers:

- ¹ Rinse 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.)
- ² Non-food contact [(use site)(surfaces)] only
- ⁴when used according to disinfection directions
- ⁵Severe Acute Respiratory Syndrome Coronavirus 2
- ⁶Influenza A2/Japan Virus
- ⁷When used according to sanitization directions
- ⁸{insert bacteria from Micro-Organism table}
- ⁹ Allow treated surface to come to room temperature prior to application of product.
- ¹⁰ {insert bacteria and viruses from Micro-Organism table}
- * (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 statement must be used on labels that list disinfection for food contact surfaces: (Except as noted for food contact sanitization directions for use,) Surfaces which may contact food must be rinsed thoroughly with potable water after use.}

(For labels that list medical premises and metal and/or stainless steel surfaces as noted in the Surfaces and Use Sites table by qualifier "3", one of the following statements must be used:)

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

DISINFECTION - To disinfect inanimate, hard surfaces add 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.

For visibly soiled areas, a pre-cleaning step is required.

(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 (choleraesuis) enterica* for (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.

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

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.

To disinfect toilet bowls: Visible soil must be cleaned prior to disinfection. flush toilet, add 2 fluid 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. (For heavy duty use to remove difficult stains and soils: Add 8 fluid ounces per gallon to the toilet bowl and mix. Brush or swab thoroughly under the rim with a scrub brush or toilet mop. Let 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}

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

From concentrate: Add 2 fluid 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.

From use-solution: Empty toilet bowl or urinal and apply 2 fluid 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 to remove difficult stains and soils: Empty toilet bowl or urinal and apply 8 fluid 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 2 fluid ounces 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 food contact surfaces: Before using this product, food products and packaging materials must be removed from the area or carefully protected. For countertops, appliances, tables, add 2 fluid ounces 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 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 2 fluid ounces of this product (product name) per gallon of water (or equivalent use dilution) (703 ppm active quat). Follow the Disinfectant directions above.

{Not for Use in California}

Directions for Fogging (Not for Public Health Use): Dairies, beverage and food processing plants. To sanitize hard, non-porous room surfaces as an adjunct to acceptable manual cleaning and disinfecting as described above. Prior to fogging, food products and packaging material must be removed from the room or carefully protected. After cleaning, fog desired areas using one quart per 1000 cubic feet of room area with a product use-solution containing 3.5 fluid ounces product to 1 gallon of water (or equivalent use dilution) (1,230 ppm). Vacate the room of all personnel during fogging for a minimum of 2 hours of actual fogging and a minimum of 4 air exchanges per hour in the room. 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 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.

FOGGING IS TO BE USED AS AN ADJUNCT TO ACCEPTABLE MANUAL CLEANING AND DISINFECTING OF ROOM AND MACHINE SURFACES.

BACTERICIDAL ACTIVITY - When diluted at the rate of 2 fluid ounces per gallon of water (or equivalent use dilution), this product (product name) exhibits effective disinfectant activity against the organisms: {insert organism(s) from the Microorganisms table}, and meets all requirements for hospital use.

FUNGICIDAL ACTIVITY - At the 2 fluid ounce per gallon dilution (or equivalent use dilution), this product (product name) is also fungicidal against the pathogenic fungi, Trichophyton interdigitale (Athlete's Foot Fungus) (a cause of ringworm) (a cause of ringworm of the foot), when used as directed on hard 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 2 fluid ounces per gallon of water (or equivalent use dilution), exhibits effective virucidal activity against Influenza A2 Virus (representative of the common flu virus), Herpes Simplex Type 1 Virus (causative agent of fever blisters), Adenovirus Type 2 (causative agent of upper respiratory infections), Vaccinia virus (representative of the Pox virus group), Human Immunodeficiency Virus Type I (HIV-1), Human Coronavirus (ATCC VR-740, Strain 229E), Hepatitis B Virus (HBV), Hepatitis C Virus (HCV), Norovirus (Norwalk Virus), Bovine Viral Diarrhea Virus (BVDV), Feline calicivirus (FCV), SARS Associated Coronavirus, Avian Influenza A Virus, Porcine Respiratory & Reproductive Syndrome Virus (PRRSV) (Strain NVSL), and SARS-CoV-2 Virus.

{and/or}

When diluted at the rate of 2 fluid ounces per gallon of water (or equivalent use dilution), this product exhibits effective virucidal activity against {insert virus from Micro-Organism Table} in 10 minutes.

When diluted at the rate of 2 fluid ounces per gallon of water (or equivalent use dilution), this product exhibits effective virucidal activity against SARS-CoV-2 in 1 minute (60 seconds)

At 8 fluid ounces per gallon or equivalent dilution rate (2812 ppm (mg/L) active quat), this product (product name) is effective against the following viruses on hard non-porous environmental surfaces: Canine Parvovirus (CPV), Canine Adenovirus (causative agent of Infectious Canine Hepatitis), Canine Coronavirus (causative agent of Canine Coronavirus Disease, Canine Gastroenteritis), Canine Parainfluenza Virus (causative agent of viral Kennel Cough), Feline Panleukopenia Virus (Feline Parvovirus), Feline Rhinotracheitis Virus (causative agent of Feline Herpes virus Infection), Feline Coronavirus (causative agent of Feline Infectious Peritonitis), Feline Picornavirus and Porcine Parvovirus.

Canine Parvovirus (CPV) Activity: At 8 fluid ounces per gallon of water or equivalent dilution, this product (product name) inactivates Canine Parvovirus (CPV) on hard, non-porous, environmental surfaces in the presence of 5% blood serum with a 10 minute contact time.

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.

MILDEWSTAT - To control mold and mildew on pre-cleaned, hard, non-porous surfaces, add 2 fluid ounces of this product (product name) per gallon of water (or equivalent use dilution). Apply solution with a cloth, mop, sponge, hand pump trigger sprayer or low pressure coarse sprayer making sure to wet all surfaces completely. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals or when mildew growth appears.

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

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 2 fluid ounces per gallon (or equivalent use dilution) or applied at full strength. Thoroughly wet soiled surface and scrub as necessary.

{Or}

Dilute at (1/2 fluid ounce) (or) (1 tbsp) per gallon of water. Apply (this product) (product name) to soiled area with a mop(,) (cloth)(,) (or) (sponge). Thoroughly wet soiled surface and clean as necessary. (For tough soils, may apply at full strength)(and rinse))

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

General Deodorization: To deodorize, add 2 fluid ounces of this product (product name) to one gallon of water (or equivalent use dilution) (703 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 7 fluid 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**.

APPLICATIONS AND USE DILUTION

Poultry (And Swine) Premise Disinfection (Special Instructions for Inactivating Avian Influenza A): Remove all (poultry) (swine) (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 (poultry) (swine) (animals). Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Use 2 fluid ounces of this product (product name) per gallon of water (or equivalent use dilution). Saturate surfaces with the disinfecting solution for a period of 10 minutes. Ventilate buildings, coops and other closed spaces. Do not house (poultry) (swine) (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 (poultry) (swine) (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 2 fluid ounces of this product (product name) per gallon of water (or equivalent dilution) 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: 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 2 fluid ounces of this product (product name) per gallon of water (or equivalent use dilution) (703 ppm active quat). Saturate surfaces with the use-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.

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: 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 2 fluid ounces of this product (product name) per gallon of water (or equivalent dilution) 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 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 wet for 10 minutes or more. Rinse with potable water before reuse. Then allow to air dry.

Vehicles: Clean all vehicles including mats, crates, cabs, and wheels with high pressure water and this product (product name). Use 2 fluid ounces per gallon of water (or equivalent use dilution) to treat all vehicles. Leave all treated surfaces exposed to disinfectant solution wet for 10 minutes or more.

Shoe Bath Sanitizer Directions: Shoe baths containing one inch of freshly made solution must be placed at all entrances to buildings, hatcheries and at all the entrances to the production and packaging rooms. Scrape waterproof shoes and place in 2 fluid ounces of this product (product name) per gallon of water (or equivalent use dilution) solution for 60 seconds prior to entering area. Change the use-solution in the bath daily or sooner if solution appears dirty.

Dressing Plant Use: Disinfect equipment, utensils, walls and floors in poultry and animal dressing plants. Disinfect offal rooms, exterior walls and loading platforms of dressing plants. Cover or remove all food and packaging materials. Remove all visible soils. Saturate all surfaces with the use-solution, 2 fluid ounces 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.

(Not for Use in California)

Directions for Hatchery Rooms Using Fogging Devices (Not for Public Health Use): 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. Close room off so fog is confined to room to be treated. Vacate the room of all personnel during fogging for a minimum of 2 hours of actual fogging and a minimum of 4 air exchanges per hour in the room. Mix two parts of this product (product name) to five parts of water (2 gallons of this product (product name) to 5 gallons of water (or equivalent use dilution)). Insert the nozzle of the fogger through a suitable opening into the room. With the setting in maximum output, fog for one minute for each 4000 cubic feet of space in the room. 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 soap or detergent and rinse with water.

Directions for Incubators and Hatchers using Fogging Devices: Mix 24 fluid ounces of this product (product name) to 244 fluid ounces of water (or equivalent use dilution). Fog 3-8 fluid ounces of this into setters and hatchers immediately after transfer. Repeat daily in setters and every 12 hours in hatchers. Discontinue hatcher treatments at least 24 hours prior to pulling the hatch. Do not allow people to contact or breathe this fog and do not enter until the fog has settled (30-60 minutes after fogging is completed). It is acceptable to fog setters and hatchers with a 2 fluid ounce per gallon of water (or equivalent use dilution) solution of this product (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. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse.

NOTE: The fog generated is irritating to the eyes, skin and mucous membranes. Under no circumstances must a room or building be entered by anyone within two hours of the actual fogging. 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.

FOGGING IS TO BE USED AS AN ADJUNCT TO ACCEPTABLE MANUAL CLEANING AND DISINFECTING OF ROOM AND MACHINE SURFACES.

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 2 fluid ounces 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 manufacturers 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 Bath and Therapy Equipment (Whirlpool Units): After using the whirlpool unit, drain and refill with fresh water to just cover the intake valve. Add 2 fluid ounces 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 use-solution from the unit and rinse any (all) cleaned surfaces with fresh water. Repeat for visible soiled units.

Commercial Florist Use Directions: To clean, disinfect and deodorize hard non-porous surfaces in one step^{2,4}, prepare use-solution by adding (mixing) 2 fluid ounces per gallon of water (or equivalent use dilution). For heavy-duty use, add (mix) 8 fluid 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 0.56 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 must 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 2 fluid ounce 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 must 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.

{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 gross 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 previously cleaned and rinsed, non-porous food contact surfaces, prepare a 200 - 400 ppm active quaternary solution by adding 2 – 4 fluid ounces of this product (product name) to 3.5 gallons of water (or equivalent use dilution). Surfaces should remain visibly wet for at least 1 minute.

From a closed loop dilution center: Apply 200 - 400 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 – 400 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 - 400 ppm active quaternary solution for at least 60 seconds making sure to immerse completely. Remove and 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 - 400 ppm. Do not rinse. This product is an effective sanitizer when diluted in water up to 250 ppm hardness (as CaCO₃).

At 2 - 4 fluid ounces per 3.5 gallons of water (or equivalent use dilution), this product (product name) eliminates 99.999% of Escherichia coli and Staphylococcus aureus in 60 seconds in 250 ppm water hardness (as CaCO₃) in accordance with the AOAC Germicidal and Detergent Sanitizing Action of Disinfectants test.

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 visible 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 2 – 4 fluid ounces of this product (product name) per 3.5 gallons of water (or equivalent dilution) (200 – 400 ppm active quaternary). Articles to be immersed in use-solution must remain in solution for 60 seconds. Articles too large for immersion must be thoroughly wetted by rinsing, spraying or swabbing.
5. Remove immersed items from use-solution to drain and then air dry. Non-immersed items must 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 visible 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 2 – 4 fluid ounces of this product (product name) per 3.5 gallons (or equivalent dilution) of water (200 - 400 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 2 – 4 fluid ounces of this product (product name) per 3.5 gallons of water (or equivalent dilution) (200 - 400 ppm active quaternary) by rinsing, spraying or swabbing. Allow the items to remain thoroughly 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 visible food particles. Do not rinse.

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 2 – 4 fluid ounces of this product (product name) in 3.5 gallons of water (or equivalent use dilution) (200 -400 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 must be prepared for each cleaning. Do not rinse.
4. Return machine to service.

Directions for Restaurant and Bar Sanitizer: Equipment and utensils must 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 2 – 4 fluid ounces of this product (product name) per 3.5 gallons of water (or equivalent use dilution) (200 - 400 ppm active quaternary). Allow surface to remain visibly wet for at least 60 seconds. Do not rinse.

(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 visible 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 - 400 ppm active quaternary). Allow surface to remain visibly wet for at least 60 seconds. Drain thoroughly before reuse. Do not rinse.

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 visible food particles. Thoroughly wash surfaces with a compatible detergent or cleaner, then rinse thoroughly with potable water. Apply sanitizing solution containing 2 - 4 fluid ounces of this product (product name) per 3.5 gallons of water (or equivalent use dilution) (200 - 400 ppm active quaternary). Surfaces must remain thoroughly 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. Do not rinse.

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 2 – 4 fluid ounces of this product per 3.5 gallons of water (or equivalent use dilution) (200 - 400 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 must be drained from the system. During changeover between products the system must be cleaned, rinsed and flushed with the use-solution for at least 1 minute to insure removal of flavors. Drain thoroughly and allow to air dry before reuse. Do not rinse.

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 - 400 ppm active quaternary. Prepare a solution of 2 – 4 fluid ounces of this product (product name) per 3.5 gallons of water (or equivalent use dilution) (200 -400 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. Do not rinse.

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 2 – 4 fluid ounces of this product (product name) per 3.5 gallons of water (or equivalent use dilution) (200 - 400 ppm active quaternary) for mechanical or automated systems. Allow surfaces to remain

visibly wet for at least 60 seconds. Drain thoroughly before reuse. Do not rinse. For mechanical operations or automated systems, the used sanitizing solution must 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 - 400 ppm quaternary level (2 – 4 fluid ounces 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 - 400 ppm active quaternary. Conveyor equipment must be free of product when applying this coarse spray.

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.

(Not for use in California)

WATER AND SMOKE DAMAGE RESTORATION AGAINST ODOR-CAUSING BACTERIA AND FUNGI FOR NON-HEALTHCARE 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 2 fluid ounces 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: During mitigation procedures, dilute 2 to 4 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 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: For water damage from a clean water source, extract excess water. Test hidden area for colorfastness. Mix 2 to 4 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) is for use in industrial and non-healthcare 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 2 fluid ounces of this product (product name) per gallon of water (or equivalent use dilution).

For truck mounted extraction machines: Mix 48 fluid ounces of this product (product name) per gallon of water (or equivalent use dilution) and meter at 4 gallons per hour.

For rotary floor machines: Mix 4 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 as 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.

(Not for use in California)

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

Vacuum carpet thoroughly prior to application. Mix 2 fluid ounces 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 4 fluid ounces per gallon of water 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 must 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) must not be mixed with other cleaning products.

Smoke Damage Restoration: This product (product name) is effective against odor causing bacteria and fungi in non-healthcare institutional and industrial 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. Saturate affected materials with enough product to remain visibly wet for at least 10 minutes. Use proper ventilation.

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 8 fluid ounces of this product (product name) to 4 gallons of water (2 fluid ounces per gallon of water) (703 ppm active quaternary) (or equivalent dilution) 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.

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 8 fluid ounces of this product (product name) per 4 gallons of water (2 fluid ounces 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.

(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 an area inaccessible to children.

| 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 intrash. |
| <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. |

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.

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.

2 FLUID OUNCE PACKET LABEL TO BE USED WITH MASTER CONTAINER LABEL:

MIX EACH PACKET WITH 1 GALLON OF WATER

NP 4.5 DETERGENT/DISINFECTANT

EPA Reg. No. 1839-79

EPA Est. No. 1839-IL-1

NET CONTENTS: 2 FLUID OZ.

ACTIVE INGREDIENTS:

n-Alkyl (60% C₁₄, 30% C₁₆, 5% C₁₂, 5% C₁₈)

dimethyl benzyl ammonium chlorides 2.25%

n-Alkyl (68% C₁₂, 32% C₁₄)

dimethyl ethylbenzyl ammonium chlorides 2.25%

INERT INGREDIENTS 95.50%

TOTAL 100.00%

KEEP OUT OF 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

1101 Skokie Blvd, Suite 500

Northbrook, IL 60062

[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

Large Non-Enveloped Viruses

| <i>For an emerging viral pathogen that is a/an...</i> | <i>...follow the directions for use for the following organisms on the label:</i> |
|--|--|
| Enveloped virus | <ul style="list-style-type: none">• Feline Calicivirus [surrogate for Norovirus] |
| Large, non-enveloped virus | <ul style="list-style-type: none">• Feline Calicivirus [surrogate for Norovirus] |

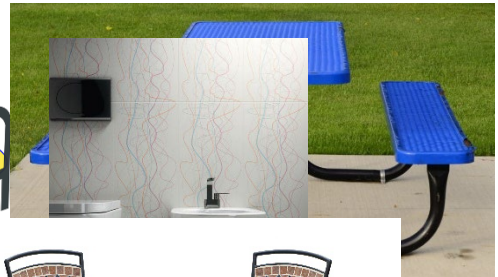
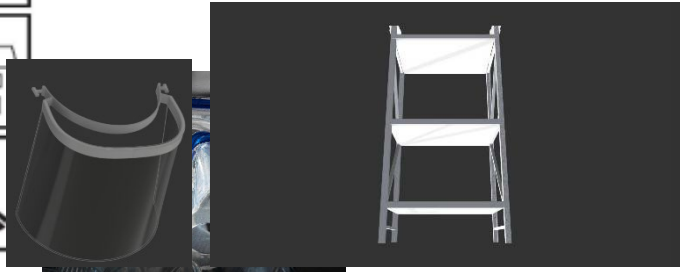
§ The directions for use for the supporting viruses with the longest contact time should be used for small non-enveloped emerging viruses. In this case, 10 minutes for the indicated viruses.

This product has demonstrated effectiveness against viruses similar to *[name of emerging virus]* on hard, non-porous surfaces. Therefore, this product can be used against *[name of emerging virus]* when used in accordance with the directions for use against Feline Calicivirus [surrogate for Norovirus] 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]*. NP 4.5 Detergent/Disinfectant kills similar viruses and therefore can be used against *[name of emerging virus]* when used in accordance with the directions for use against Feline Calicivirus [surrogate for Norovirus] on hard, non-porous surfaces. Refer to the *[CDC or OIE]* website at *[website address]* for additional information."

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.)

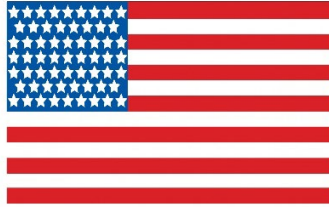
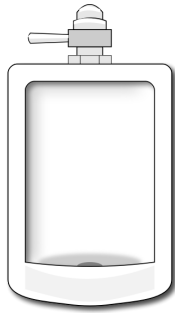


Tub and Shower walls



La Hacienda

Bracketed information is denoted as: {insert as noted}, (optional text), [required qualifier], <note>.
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(intermediate service solution container)
(spray dispensing container)
(sprayer system)
(sink with faucet)
(work station tub or sink)
(rubber gloves) (masks)(PPEs)
(table)
(chair)
(bed frame)
(wall)
(cabinet)
(doorknob)
(garbage can)
(non-wooden picnic table)
(outdoor furniture except cushions and wood frames).
(Telephone)
(non-food contact counter tops, equipment, shelves, racks and carts)
(shower stalls)
(shower doors and curtains)
(tubs)
(glazed tiles)
(toilets)
(urinals)
(glazed porcelain tile) and (restroom fixtures).
(recycling logo) {Note to reviewer: Only for containers which may be recycled per storage and disposal directions}
(American flag logo) {Note to reviewer: May only be used on labels which carry "Assembled in USA" or "Assembled in America" marketing statements.}
(Brand or Company name specific graphics, logos, and stylized fonts including background patterns and fill colors)
(Business industry membership or affiliation logos)
{Note to reviewer the exact virus image below may be used in association with SARS-CoV-2 marketing claims and applicable directions for use as a stylized graphic including any of the following statements: "Kills (the) COVID-19 Virus^{4,5}"; "Effective against SARS-CoV-2^{4,5}"; "Kills SARS-CoV-2^{4,5} (in) (just) (30 seconds)".}

