

Product Data

An Extended Variety of Uses:

- Cleaner
- Disinfectant
- Sanitizer
- Detergent
- Fungicide
- Deodorizer
- Virucide
- Mildewstat

Places of Use:

- Food Processing Plants
- Operating Rooms
- Patient Care Rooms
- Newborn Nurseries
- Housekeeping
- Restaurants Doctor
- Offices
- Industrial & Institutional Areas
- Schools
- Dairies



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SANTASTIC II

Broad Spectrum Disinfectant

SANTASTIC II is a one-step, broad spectrum hospital disinfectant and deodorizer. This product when used as directed is formulated to disinfect, clean, sanitize & deodorize on washable hard, non-porous surfaces. SANTASTIC II is effective against a broad spectrum of bacteria, including HIV-1, HCV & HBV and inhibits the growth of mold & mildew and their odors when used on hard, non-porous, non-food contact surfaces according to the disinfection directions.

SANTASTIC II kills 99.0% of any disinfection organism listed on hard, non-porous, non-food contact surfaces. It is highly effective against a broad spectrum of pathogenic microorganisms including bacteria, viruses, fungi, mold and mildew.

- ✓ For Use as a One-Step General, Hospital, Medical Disinfectant, Fungicide, Virucide, Deodorizer and Cleaner.
- ✓ Kills Staphylococcus aureus (MRSA), Influenza A Virus, Respiratory Syncytial Virus & SARS-CoV-2 (COVID-19 Virus)
- ✓ EPA Registered Product

APPLICATIONS

SANTASTIC II is a hospital-use germicidal disinfectant cleaner and deodorant odor-counteractant designed for general cleaning, disinfecting, deodorizing and controlling mold and mildew on hard, non-porous non-food contact surfaces. This one-step formula can be safely and effectively used as a hospital disinfectant, deodorizer & hard surface disinfectant. SANTASTIC II can also be used in industrial and institutional areas.

SANTASTIC II is effective against the following:

Viruses: Avian Influenza A (H5N1) Virus, Influenza A (H1N1) Virus, Influenza A (H3N2) Virus, Cytomegalovirus, Coronavirus, Hepatitis B Virus, Hepatitis C Virus, Human Immunodeficiency Virus Type 1, Norovirus, Respiratory Syncytial Virus, SARS-CoV-2 (COVID-19 Virus).

Bacteria: Escherichia coli, Enterococcus faecalis (Vancomycin Resistant) (VRE), Klebsiella pneumoniae, Pseudomonas aeruginosa, Salmonella enterica, Shigella flexneri, Shigella sonnei, Staphylococcus aureus, Staphylococcus aureus (MRSA).

Fungi: Candida albicans, Trichophyton interdigitale (formerly T. mentagrophytes) (Athlete's foot fungus) (Ringworm fungus).

DIRECTIONS

See label for specific instructions/entire list of application areas and the microorganism list for microorganism kill claims.

TECHNICAL DATA

Composition:

ACTIVE INGREDIENTS:

Didecyl Dimethyl Ammonium Chloride 2.54%

Alkyl (50% C14, 40% C12, 10% C16)

Dimethyl Benzyl Ammonium

Chloride 1.69%

OTHER INGREDIENTS: 95.77%

TOTAL: 100.00%

Color: Clear Blue Liquid

Fragrance: Fresh Scented

APPROVALS

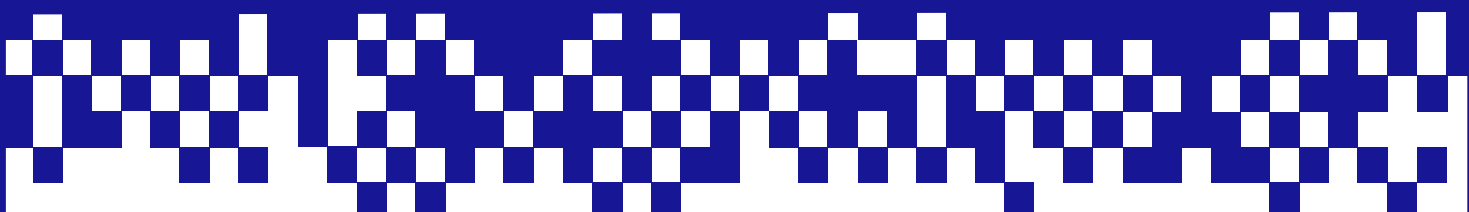
EPA Reg. No. 10324-154-13051

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standards worldwide...*

C-6/PC-5760/0126

SANTASTIC II



BROAD SPECTRUM DISINFECTANT

**Cleaner • Disinfectant • Sanitizer • Deodorizer
Fungicide • Mildewstat • Virucide***

ACTIVE INGREDIENTS:

Didecyl Dimethyl Ammonium Chloride2.54%
Alkyl (50% C₁₄, 40% C₁₂, 10% C₁₆)
Dimethyl Benzyl Ammonium Chloride 1.69%

OTHER INGREDIENTS:95.77%

TOTAL:.....100.00%

EPA Reg. No. 10324-154-13051

EPA Est. No. 13051-GA-1

KEEP OUT OF REACH OF CHILDREN

DANGER

See below for additional precautionary statements.

FIRST AID

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

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

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

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

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

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. For medical emergencies, call: 1-800-255-3924.

ORGANISM LIST

DISINFECTION PERFORMANCE: This product kills the following bacteria in 10 minutes at 2 oz. per gal. of 400 ppm hard water (660 ppm active) and 5% soil on hard, non-porous surfaces:

Acinetobacter baumannii (ATCC 19003)
Acinetobacter lwoffii (ATCC 9957)
Acinetobacter lwoffii (ATCC 15309)
Bordetella bronchiseptica (ATCC 10580)
Chlamydia psittaci (VR-125)
Citrobacter freundii (ATCC 8090)
Enterobacter agglomerans (ATCC 27155)
Enterobacter cloacae (ATCC 13047)
Escherichia coli (ATCC 11229)
Escherichia coli O157:H7 (ATCC 35150)
Escherichia coli (Carbapenem Resistant) (CDC 81371)
Escherichia coli (Extended Spectrum B-Lactamase) (ESBL) (ATCC BAA-196)
Escherichia coli (Tetracycline Resistant) (ATCC 47041)
Enterococcus faecalis (ATCC 19433)
Enterococcus faecalis (Vancomycin Resistant) (VRE) ATCC 51299
Enterococcus hirae (ATCC 10541)
Fusobacterium necrophorum (ATCC 27852)
Klebsiella aerogenes (ATCC 13048)
Klebsiella oxytoca (ATCC 13182)
Klebsiella pneumoniae (ATCC 13883)
Klebsiella pneumoniae (Carbapenem Resistant) (NDM-1) (ATCC BAA-2146)
Listeria monocytogenes (ATCC 19117)
Micrococcus luteus (ATCC 14452)
Micrococcus luteus (ATCC 4698)
Mycoplasma gallisepticum (ATCC 19610)
Pasturella multocida (ATCC 12947)
Proteus vulgaris (ATCC 9920)
Proteus vulgaris (ATCC 13315)
Pseudomonas aeruginosa (ATCC 15442)
Pseudomonas aeruginosa (Tetracycline Resistant) (ATCC 27853)
Pseudomonas cepacia (ATCC 25416)
Salmonella enterica (ATCC 23564)
Salmonella enterica (ATCC 10708)
Salmonella enteritidis (ATCC 4931)
Salmonella enterica serotype pullorum (ATCC 19945)
Salmonella typhi (ATCC 6539)
Salmonella typhimurium (ATCC 23564)
Serratia marcescens (ATCC 9103)
Serratia marcescens (ATCC 14756)
Shigella flexneri (ATCC 9380)
Shigella flexneri (ATCC 12022)
Shigella sonnei (ATCC 25931)
Staphylococcus aureus (ATCC 6538)
Staphylococcus aureus (ATCC 25923)
Staphylococcus aureus (ATCC 33586)
Staphylococcus aureus (ATCC 14154)
Staphylococcus aureus (Community Associated Methicillin Resistant) (CA-MRSA) (Genotype USA 300)
Staphylococcus aureus (Community Associated Methicillin Resistant) (CA-MRSA) (Genotype USA 400)
Staphylococcus aureus (Methicillin Resistant) (MRSA) (ATCC 33592)
Staphylococcus epidermidis (ATCC 14990)
Staphylococcus epidermidis (Ampicillin, Cefazolin, Oxacillin, Penicillin Resistant) (ATCC 51625)
Streptococcus agalactiae (ATCC 13813)
Staphylococcus haemolyticus (ATCC 29970)
Streptococcus pneumoniae (Penicillin Resistant) (ATCC 51915)
Streptococcus pyogenes (ATCC 19615)
Streptococcus mutans (ATCC 25175)
Staphylococcus aureus (Vancomycin Intermediate Resistant) (VISA) (HIP 5836)
Vibrio cholerae (ATCC 11623)
Yersinia enterocolitica (ATCC 23715)

VIRUCIDAL* PERFORMANCE: This product kills the following viruses in 10 minutes at 2 oz. per gal. of 400 ppm hard water (660 ppm active) and 5% soil on hard, non-porous surfaces:

Avian Influenza A (H5N1) Virus (Reassortant Strain) (CDC 2006719965)
Avian Influenza A (H3N2) Virus (Avian Reassortant) (VR-2072)
Cytomegalovirus (AD-169)
Coronavirus (SARS-associated) (CDC 200300592)
Hantavirus (PHV)
Hepatitis B Virus (HBV) (Duck Hepatitis B Virus)
Hepatitis C Virus (HCV) (Bovine Viral Diarrhea Virus)
Herpes Simplex Virus Type 1 (VR-733)
Herpes Simplex Virus Type 2 (VR-734)
Human Coronavirus (VR-740)
Human Immunodeficiency Virus Type 1*** (HIV 1) (AIDS Virus) (Strain HTLV-IIIB)
Influenza A (H1N1) Virus (Strain A/PR/8/34)
Influenza A (H3N2) Virus (Hong Kong Strain) (VR-544)
Norovirus (Norwalk-like Virus) (Feline Calicivirus) (ATCC VR-782)
Respiratory Syncytial Virus (VR-26)
SARS-CoV-2*** (SARS Coronavirus 2) (USA-WA1/2020) (BEI NR-52281) (COVID-19 virus)
Vaccinia Virus (VR-119)

*** Indicates a 2-minute contact time is required for this claim.

ANIMAL PREMISE VIRUCIDAL* PERFORMANCE: This product kills the following viruses in 10 minutes at 2 oz. per gal. of 400 ppm hard water (660 ppm active) and 5% soil on hard, non-porous surfaces:

Avian Infectious Bronchitis Virus (Strain Beaudette IB42)
Avian Influenza A Virus (H5N1)
Avian Influenza A Virus (H3N2) (Avian Reassortant) (VR-2072)
Canine Coronavirus (Clinical Isolate)
Canine Distemper Virus (VR-128)
Canine Influenza Virus (H3N8) (Cornell University)
Feline Calicivirus (ATCC VR-782)
Feline Picornavirus (VR-649)
Infectious Bovine Rhinotracheitis Virus (VR-188)
Pseudorabies Virus (VR-135)
Swine Influenza A Virus (H1N1) (Strain A/Swine/1976/31)
Transmissible Gastroenteritis Virus (TGE) (Clinical Isolate)

This product kills the following viruses in 10 minutes at 9 oz. per gal. of 400 ppm hard water (2970 ppm active) and 5% soil on hard, non-porous surfaces:

Canine Parvovirus** (CPV) (Type 2b)
Rabies Virus** (Clinical Isolate)

** Indicates that a dilution of 9 oz. per gal. of water is required for this claim.

NON-FOOD CONTACT SANITIZING PERFORMANCE: This product is an effective one-step sanitizer in 3 minutes at 2 oz. per gal. of 400 ppm hard water (660 ppm active) and 5% soil on hard, non-porous surfaces:

Klebsiella pneumoniae (ATCC 4352)
Staphylococcus aureus (ATCC 6538)

FUNGICIDAL PERFORMANCE: This product kills the following fungi in 10 minutes at 2 oz. per gal. of 400 ppm hard water (660 ppm active) and 5% soil on hard, non-porous surfaces:

Candida albicans (ATCC 10231)
Trichophyton interdigitale (formerly *T. mentagrophytes*) (ATCC 9533) (Athlete's foot fungus) (Ringworm fungus)

MILDEWSTATIC PERFORMANCE: This product controls the following mold at 2 oz. per gal. of 400 ppm hard water (660 ppm active) and 5% soil on hard, non-porous surfaces for up to 7 days:

Aspergillus niger (ATCC 16404)

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MARKETING CLAIMS

This product is for use on hard, non-porous surfaces in:

LOCATIONS

- Airline terminals, airports, bus stations, train stations, transportation terminals, shipping terminals, public facilities, way-sides, travel rest areas
- Automobiles, cars, trucks, campers, RV's, trailers, automotive garages, bicycle shops, auto repair centers
- Boats, ships, barges, cruise lines, cruise ships, watercrafts
- Boxcars, tankers, tank trucks
- Buses, public transportation, trains, taxis, airplanes, helicopters
- Delivery trucks, garbage trucks, maintenance vehicles
- EMS & fire facilities, emergency vehicles, ambulances, police cars, fire trucks
- Police stations, crime scenes courthouses, correctional facilities, municipal government buildings, jails, prisons, penitentiaries, correctional institutions
- Recycling centers
- Athletic facilities, locker rooms, exercise rooms, exercise facilities, gyms, gymnasiums, field houses
- Banks, churches, libraries, post offices
- Campgrounds, playgrounds, recreational facilities, picnic facilities
- Funeral homes, morgues, mortuaries, burial vaults, mausoleums, cadaver processing areas
- Health clubs, spas, tanning salons, tanning spas, massage/facial salons, hair/nail/pedicure salons, barber/beauty shops, salons, foot spas, tattoo parlors (*Not for use on needles or other skin piercing instruments*)
- Hotels, motels
- Museums, art galleries, performance/theater centers, movie houses, bowling alleys
- Schools, colleges, dormitories, classrooms, community colleges, universities

- Sports arenas, sports complexes
- Supermarkets, convenience stores, retail and wholesale establishments, department stores, shopping malls, gift shops, video stores, bookstores, dressing rooms and laundries, photocopy centers
- Restaurants and bars, bars, kitchens, taverns, cafeterias, institutional kitchens, fast food operations, food storage areas, caterers, bakeries
- Supermarkets, convenience stores, retail and wholesale establishments, department stores, shopping malls, gift shops, video stores, bookstores, dressing rooms and laundries, photocopy centers
- Veterinary, veterinary clinics, animal life science laboratories, animal laboratories, animal research centers, animal quarantine areas, animal holding areas, equine farms, animal kennels, animal breeding facilities, breeding establishments, animal husbandry establishments, grooming establishments, pet animal quarters, animal housing facilities, zoos, tack shops, pet shops, operating rooms, washing areas, waiting rooms, examination rooms and other animal care facilities
- Businesses, office buildings, workstations, breakrooms, public restrooms, housekeeping & janitorial rooms
- Commercial florist and flower shops
- Cosmetic manufacturing facilities, medical device manufacturing facilities, biotechnology firms, pharmaceutical manufacturing facilities
- Factories, computer manufacturing sites, toy factories, warehouses
- Institutional, commercial, industrial, industrial sites, commercial sites, institutions, institutional facilities, public places
- Laboratories
- Basements, cellars, bedrooms, attics, living rooms, porches
- Bathrooms, restrooms, shower rooms, shower and bath areas
- Dairy, equine, poultry/turkey farms
- Farmhouses, barns, sheds, tool sheds, cattle, swine, sheep and horse barns, pens and stalls, swine quarters, livestock farms, equine quarters, brooder houses, seed houses, veal, calving, hog, cattle and horse operations, chick vans, egg trucks, hatchery and farm vehicles
- Federally inspected meat and poultry plants
- Food establishments, coffee shops, donut shops, bagel stores, pizza parlors, liquor stores, wineries
- Food handling and processing areas
- Food processing plants, USDA inspected food-processing facilities, federally inspected meat and poultry plants, poultry and turkey farms, farms, dairy farms, hog farms, mushroom farms
- Poultry Premises - 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
- Processing facilities for Fish, Milk, Wine, Citrus, Fruit, Vegetable, Ice Cream and Potatoes and beverage plants
- Swine Premises:

Farrowing Barns and Areas	Dressing Plants	Blocks
Waterers and Feeders	Loading Equipment	Creep Area
Hauling Equipment	Nursery Chutes	
- Tobacco plant premises
- Hospitals, medical and dental offices and clinics, healthcare facilities, nursing homes, physician offices, operating rooms/theaters, radiology rooms, isolation wards, quarantine areas, hospices, and medical research facilities, washing areas, ICU areas, autopsy rooms, acute care institutions, alternate care institutions, home healthcare institutions, sick rooms
- Life care retirement communities, elder care centers, elder care facilities
- Patient care rooms & facilities, recovery rooms, Emergency Rooms, X-ray CAT labs, exam rooms, neonatal units, orthopedic clinics, respiratory therapy clinics, surgical centers, out-patient surgical centers, labs, blood collection rooms, central supply, ophthalmic/optometric facilities

This product when used as directed is formulated to disinfect, clean, sanitize, deodorize on washable hard, non-porous surfaces such as:

SURFACES

- Counters, countertops, countertop laminates, stovetops, sinks, tub surfaces, non-food contact surfaces of Slurpee® machines, and exterior surfaces of refrigerators, ice machines, microwaves, coolers, freezers, appliances, non-food contact equipment
- Sealed floors, finished floors, high speed burnished floors, conductive flooring, walls, ceilings, fixtures
- Glass surfaces, aluminum, brass, copper, laminated surfaces, metal, plated or stainless steel, glazed porcelain, glazed tile, glazed ceramic, sealed granite, sealed marble, plastic such as polyvinylchloride, polystyrene or polypropylene, sealed limestone, sealed slate, sealed stone, sealed terra cotta, sealed terrazzo, chrome and vinyl, Plexiglas®, enameled surfaces, painted woodwork, Formica®, vinyl and plastic upholstery, washable wallpaper, windows and mirrors, painted surfaces

- Shower stalls, shower doors and non-porous curtains, bathtubs and glazed tiles, chrome plated intakes, toilets, toilet seats, toilet bowls, toilet bowl surfaces, urinals, portable and chemical toilets and latrine buckets, vanity tops, restroom fixtures, bathroom fixtures, bathroom bowls, basins, tubs
- Tables, chairs, desks, folding tables, bed frames, lifts, washable walls, cabinets, doorknobs and garbage cans/pails, trash barrels, trash cans, trash containers, industrial waste receptacles and garbage handling equipment, shelves, racks and carts and door knobs and handles
- Sealed foundations, steps, plumbing fixtures, finished baseboards and windowsills
- And other hard, non-porous surfaces
- Automobile interiors, mats, crates, cabs, and wheels
- Commercial florist pots, flats and flower buckets, work areas and benches
- Crypton Barrier fabric
- Non-food contact surfaces of drinking fountains
- Footbath surfaces
- Hair clippers, cutting implements, plastic rollers, washable nail files
- Hard hats, headphones
- Hard, non-porous surfaces of picnic tables and outdoor furniture
- Kennel runs, cages, kennel/cage floors, conductive flooring, loading platforms, animal equipment
- Large inflatable, non-porous plastic and rubber structures such as animals, promotional items, moonwalks, slides, obstacle course play
- Maintenance equipment
- Hard, non-porous picnic tables and outdoor patio furniture except cushions and wood frames
- Playground equipment
- Tanning spas/beds, tanning equipment, UV tanning salons, UV beds
- Tattoo equipment (*Not for use on needles or other skin piercing instruments*)
- Telephones and telephone booths
- Ultrasonic baths, whirlpools, whirlpool surfaces, whirlpool bathtubs
- Wrestling and gymnastic mats, athletic mats, athletic training tables, physical therapy tables, exercise equipment, athletic helmets, wrestling/boxing headgear, athletic shoe soles, and locker rooms areas
- Hard, non-porous non-food contact surfaces in food preparation and storage areas
- Hatchers, setters, trays, racks, egg flats, chick boxes, egg cases, vans and trash containers, seed houses, poultry/ turkey equipment, carts, sexing tables, and automated tray, rack and buggy washers, egg receiving and egg holding areas
- Harvesting & handling equipment
- Hide/Leather processing surfaces such as hide storage bins, holding tanks, chill tanks, serpentine tanks and chains, machine and tannery equipment surfaces, conveyors and trolleys, hide press, grading and storage areas
- Kitchen equipment such as trash compactors
- Hard, non-porous meat packing plant surfaces such as livestock vehicles and holding pens, receiving areas and delivery chutes, slaughter areas and conveyors, hand, rub and guide rails, post knock cabinets, stands and flooring surfaces, chains and moving process lines, surfaces of equipment for hide operations consisting of brine curing, hide transfer bin surfaces, chutes, conveyors, tallow and animal feed production surfaces, processed product and offal equipment surfaces, fabrication and processing areas covering cold storage areas, stainless steel cut out and prep tables, and other stainless surfaces
- Tobacco plant equipment
- Exhaust fans, refrigerated storage and display equipment, coils and drain pans of air conditioning, refrigeration equipment and heat pumps

DISINFECTION MARKETING CLAIMS

This Product:

- Can be used to disinfect, clean and deodorize terrarium and small animal cages, substrate and other hard non-porous cage equipment. (Do not use on porous rocks, hot rocks, driftwood.)
- Cleans, disinfects, and deodorizes hard, non-porous surfaces.
- Cleans, disinfects and deodorizes hard, non-porous hospital and medical surfaces.
- Disinfects hard, non-porous, non-food contact hospital and medical surfaces in one step with no rinsing required.
- Cleans, disinfects and eliminates odors leaving surfaces smelling clean and fresh.
- Cleans, disinfects and deodorizes hard, non-porous surfaces by killing odor causing microorganisms and mold and mildew.
- Cleans and disinfects non-medical i.e. industrial and fire-fighting respirators in industrial, commercial and institutional premises.
- Cleans, disinfects and deodorizes hard, non-porous surfaces such as flower buckets, walls, floors of coolers, shippers, greenhouse packing areas, garbage pails, design and packing benches, countertops, and other areas where obnoxious odors develop.
- Cleans, sanitizes and disinfects hard non-porous surfaces of personal protective safety equipment, protective headgear, athletic helmets, wrestling/boxing headgear, athletic shoe soles, hard hats, headphones, half mask respirators, full face breathing apparatus, gas masks, goggles, spectacles, face shields, hearing protectors and ear muffs. Rinse all equipment that comes in prolonged contact with skin before reuse with clean warm water (about 120°F), and allow to air dry. (Precaution: Cleaning at 120°F temperature will avoid overheating and distortion of the personal safety equipment that would necessitate replacement.)
- Delivers non-acid disinfection performance in an economical concentrate.
- Disinfects and sanitizes hard, non-porous non-food contact kitchen and bathroom surfaces and floors.
- Disinfects hard, non-porous athletic surfaces.
- Disinfects and sanitizes hard, non-porous non-food contact kitchen and bathroom surfaces and floors.
- Effective in hard water up to 400 ppm hardness in the presence of 5% soil.
- Has been designed for veterinarians, animal groomers, hair stylists, barbers and beauticians, for use in disinfecting and maintaining clippers.
- Has been formulated to aid in the reduction of cross-contamination on treated surfaces not only in hospitals, but also in schools, institutions and industry.
- Has demonstrated effectiveness against Influenza A H1N1 virus.
- Tested according to the Virucidal* Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces utilizing Hepatitis B Virus, Bovine Viral Diarrhea Virus (BVDV) Hepatitis C Virus (Surrogate for Human Hepatitis C Virus).
- Is a broad-spectrum hard surface disinfectant that has been shown to be effective against Influenza A Virus H1N1 on hard non-porous, non-food contact surfaces.
- Is a complete, chemically balanced disinfectant/sanitizer that provides clear use solutions even in the presence of hard water.
- Is a concentrated hospital use disinfectant that is effective against a broad-spectrum of bacteria, is virucidal*, fungicidal, and eliminates odor causing bacteria when used as directed.
- Is a concentrated non-acid bowl and bathroom cleaner, which cleans, disinfects and deodorizes in one easy step when used according to the disinfection directions.
- Is designed to provide both general cleaning and disinfection for larger areas such as operating rooms and patient care facilities.
- Is a disinfectant and non-food contact surface sanitizer for Cleanroom and Laboratory areas to disinfect washable, hard, non-porous non-food contact surfaces such as: Laminar-airflow equipment and BioSafety Cabinet work surfaces and exterior surfaces of the following: countertops, sinks, plumbing fixture surfaces, incubators, refrigerators and centrifuge surfaces of metal, stainless steel, glass, plastic such as polystyrene or polypropylene, Formica®, and vinyl.
- Is an effective bactericide, virucide* and fungicide in the presence of organic soil and 400 ppm hard water.
- Is an effective fungicide against *Trichophyton interdigitale* the athlete's foot fungus, a fungus which may cause Ringworm and *Candida albicans* on hard, non-porous surfaces in the presence of 5% blood serum and 400 ppm water hardness as CaCO₃ when used on hard, non-porous surfaces in areas such as locker rooms, dressing rooms, shower and bath areas, exercise facilities.
- Is a hospital use disinfectant at 2 ounce of this product per gallon of water or equivalent use dilution modified in the presence of 400 ppm hard water.
- Is a no-rinse neutral pH disinfectant cleaner that disinfects, cleans and deodorizes hard, non-porous, non-food contact surfaces in one labor-saving step when used according to the disinfection directions.
- Is a neutral pH multi-surface cleaner, deodorizer and disinfectant.
- Is a one-step disinfectant that is effective against a broad-spectrum of bacteria, is virucidal* including HIV-1, HCV & HBV and inhibits the growth of mold and mildew and their odors when used on hard, non-porous, non-food contact surfaces according to the disinfection directions.

- Is a hospital-use germicidal disinfectant cleaner and deodorant odor-counteractant designed for general cleaning, disinfecting, deodorizing and controlling mold and mildew on hard, non-porous non-food contact surfaces.
- Is a one-step hospital-use germicidal disinfectant designed for use on hard, non-porous, non-food contact surfaces.
- Is a phosphate-free formulation designed to provide effective cleaning, deodorizing and disinfection in areas where house-keeping is of prime importance in reducing cross-contamination on treated surfaces.
- Is a proven disinfectant, cleaner, sanitizer, fungicide, mildewstat, and virucide*.
- Is a proven one-step disinfectant, fungicide, and virucide* on hard, non-porous, non-food contact surfaces.
- Is a versatile cleaner, sanitizer and broad-spectrum disinfectant formulated for use on hard, non-porous bath and therapy equipment Whirlpools.
- Is a versatile disinfectant & sanitizer for veterinarian, veterinary practice, animal care, animal laboratory, and agricultural and farm premise applications.
- Is a versatile sanitizer and broad-spectrum disinfectant formulated for use on hard, non-porous surfaces in Ultrasonic Baths.
- Is effective against Canine Parvovirus** and Rabies Virus**.
- Is for use as a disinfectant on hard, non-porous non-food contact surfaces.
- Is for use in federally inspected meat and poultry plants on all hard, non-porous surfaces in inedible product processing areas, non-processing areas and/or exterior areas, federally inspected meat and poultry plants as a floor and wall cleaner for use in all departments, and federally inspected meat and poultry plants as a disinfectant agent for use in all departments.
- Is used to disinfect hard, non-porous salon/barber tools and instruments such as combs, clippers, plastic rollers, brushes, trimmers, razors, scissors, blades, tweezers, baths, manicure instruments, pedicure instruments, and footbath surfaces.
- Kills 99.9% of:
 - any disinfection organism listed on hard, non-porous non-food contact surfaces.
 - common¹ germs on sealed and non-porous floors.
 - bacteria –and/or–germs.
 - bacteria on sealed or non-porous floors ordinary dish soap can't.
- Kills Avian Influenza A Virus H5N1 and H3N2.
- Kills H1N1 Influenza A Virus.
- Kills bacteria and helps reduce cross-contamination on treated hard, non-porous non-food contact kitchen surfaces listed on this label.
- Kills common kitchen¹, bathroom¹ germs, bacteria and viruses*.
- Kills germs.
- Meets surface disinfection recommendations from OSHA Bloodborne Pathogen Standard for HIV, HBV and HCV.
- One-Step Non-Food Contact Surface Detergent Disinfectant Cleaner.
- Disinfectant cleaner².
- When used as directed at a 1:64 dilution 2 oz. of this product per gallon of water, this product contains 660 ppm of active quaternary germicide, making it highly effective against a broad spectrum of pathogenic microorganisms including bacteria, antibiotic resistant bacteria, viruses, fungi, mold and mildew.
- When used as directed, will disinfect metal clipper blades as well as many other hard, non-porous surfaces.
- Effective against SARS-CoV-2 Virus (COVID-19 Virus) in 2 minutes on hard, non-porous surfaces.
- Disinfects hard, non-porous surfaces by killing SARS-Related Coronavirus 2 (SARS-CoV-2).
- This product is a broad-spectrum, hard non-porous surface disinfectant that has been shown to be effective against SARS-CoV-2 (COVID-19 Virus).

SANITIZATION MARKETING CLAIMS

This Product:

- Is a hard, non-porous non-food contact surface sanitizer.
- Is an effective disinfectant/non-food contact sanitizer.
- Is an effective sanitizer on hard non-porous non-food contact surfaces.
- Is an effective sanitizer and cleaner on hard, non-porous, non-food contact surfaces (660 ppm active).
- Is an effective one-step sanitizer on hard, non-porous non-food contact surfaces (660 ppm active).
- Sanitizes non-food contact hard, non-porous bathroom surfaces and floors.

GENERAL MARKETING CLAIMS

This Product:

- Antibacterial.
- Can be applied through electrostatic sprayers, foaming apparatus and low-pressure sprayers. Follow manufacturers' instructions when using this equipment.
- Contains no abrasives, bleach, harsh acids so it won't scratch or harm surfaces.
- Cross-contamination is of major housekeeping concern not only in hospitals, but also in schools, institutions and industry.
- *Escherichia coli* (*E. coli*), *Salmonella enterica* (*Salmonella*), and *Staphylococcus aureus* (*Staph*) are common germs found where food is prepared and stored.
- For indoors and outdoors use.
- Formulated for effective Poultry Sanitation.
- Formulated for effective Swine Premise Sanitation.
- Has been designed specifically where housekeeping is of prime importance.
- Is an economical concentrate that can be used with a mop and bucket, trigger sprayers, sponge or by soaking.
- Is designed for use in pet salons, animal hospitals, barber and beauty shops.
- Is for use on rugs, floors, walls, tile, cages, crates, mats, litter boxes, floor coverings, or any surfaces soiled by a pet.
- Is non-staining.
- It is designed specifically for greenhouse use where cross contamination may occur between plants.
- Non-abrasive formula will not harm or scratch surfaces.
- Non-Acid Bathroom Cleaner.
- Non-dulling formula eliminates the time and labor normally required for rinsing floors.
- Controls and prevents the growth of mold and mildew (*Aspergillus niger*) and the odors caused by them when applied to hard, non-porous surfaces.
- Use this product to treat hard, non-porous multi-touch surfaces responsible for cross-contamination.
- Waterbed conditioner. (Not for use in CA.)
- Will help to maintain blades that operate with reduced friction and with smoother clipping action.
- Will not harm most surfaces.
- Will not harm sealed stone, sealed grout, or glazed tile.
- Will not leave grit or soap scum.

CLEANING AND DEODORIZATION MARKETING CLAIMS

This Product:

- Eliminates odors leaving surfaces smelling clean and fresh.
- Also eliminates odors caused by bacteria and mold and mildew, leaving restroom and kitchen surfaces smelling clean and fresh.
- Can 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 can injure blooms of the various sensitive flowers including carnations, snapdragons, some orchids, baby's breath, sweet peas, freesia and alstroemeria. (Not for use in CA.)
- Can be used where odors are a problem.
- Cleans and shines without bleaching by removing dirt, grime and food soils in food preparation and processing areas.
- Cleans by removing dirt, grime and food soils in food preparation and processing areas
- Cleans by removing dirt, grime, mold, mildew, blood, urine, fecal matter and other common soils found in animal housing facilities, livestock, swine or poultry facilities, grooming facilities, farms, kennels, pet stores, veterinary clinics, laboratories or other small animal facilities.
- Cleans rodent soiled areas.
- Cleans without bleaching.
- Controls odors caused by bacteria found in waterbed uses. (Not for use in CA.)
- Eliminates odors to make your kitchen and bathroom sanitary.
- Cuts through tough grease and grime.
- Deodorizes.
- Deodorizes moist hard, non-porous surfaces by killing microorganisms that cause offensive odors. (Not for use in CA.)
- Is a floor cleaner.
- Is a cleaner and odor counteractant designed for general cleaning, disinfecting², deodorizing and controlling mold and mildew on hard, non-porous surfaces.
- Is an effective antimicrobial cleaner designed for use against nonpathogenic spoilage organisms by wholesale and retail florists, shippers and greenhouses.
- Is effective against odors caused by animal waste, septic tank or sewage backup, smoke, bathroom and kitchen odors.

- Is effective at controlling mold and mildew and odor on non-porous shower curtains.
- Is formulated to provide effective cleaning strength that will not dull high gloss floor finishes with repeated use.
- Is for non-scratch cleaning of showers and tubs, shower doors and non-porous shower curtains, fixtures and toilet bowls.
- Is for use in work areas such as tool rooms and garages for odor control and light duty cleaning.
- Kills odor causing bacteria in the kitchen, bathroom.
- Odor Counteractant – eliminates odors and odor-causing bacteria on hard non-porous surfaces in restroom areas, behind and under sinks and counters, and storage areas and other hard nonporous surfaces where bacterial growth can cause malodors.
- Maximizes labor results by effectively controlling odors.
- Neutralizes musty odors and tough odors from smoke, pet accidents, and spills on contact.
- Provides effective cleaning strength that will not dull most metal-interlock floor finishes, and does not require a rinse prior to recoat.
- Provides long lasting freshness against tough pet odors such as odors from litter boxes and pet accidents.
- Odor counteractant.
- Odor neutralizer.
- Removes dirt.
- Removes stains.
- Will control unpleasant malodors.
- Will deodorize hard non-porous surfaces in restroom and toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and other places where bacterial growth can cause malodors.
- Will effectively inhibit the growth of mold and mildew (*Aspergillus niger*) and the odors caused by them when applied to hard, non-porous surfaces, leaving bathrooms and kitchens clean and fresh smelling.

PACKAGING CLAIMS

- Concentrated.
- Easy to Use.
- Fewer products - no need for separate deodorizer.

FOOTNOTES

¹Kills *Pseudomonas aeruginosa*, *Salmonella enterica*, *Staphylococcus aureus*, Avian Influenza A Virus, Influenza A Virus, SARS-CoV-2.

²When used according to the directions for disinfection.

DIRECTIONS FOR USE

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

Please read entire label and use strictly in accordance with precautionary statements and directions.

Rinse hard, non-porous food contact surfaces with potable water after application of product.

Allow surfaces to come to room temperature (68°F) before treatment with this product.

Before using this product in federally inspected meat and poultry food processing plants and dairies, food products and packaging materials must be removed from the room or carefully protected.

This product is not for use on medical device surfaces.

DILUTION TABLE:

Use	Dilution	Contact Time
For Hospital or Medical Environment Disinfectant claims	2 oz. /gal. water	10 minutes
For General or Broad Spectrum Disinfectant claims	2 oz. /gal. water	10 minutes
For Public Health Virucidal* claims	2 oz. /gal. water	10 minutes
For SARS-CoV-2 claims	2 oz. /gal. water	2 minutes
For Animal Virucidal* claims	2 oz. /gal. water	10 minutes
For Animal Virucidal** claims	9 oz. /gal. water	10 minutes
For Non-Food Contact Sanitizing claims	2 oz. /gal. water	3 minutes
For Fungicidal claims	2 oz. /gal. water	10 minutes
For Mold and Mildew claims	2 oz. /gal. water	Reapply every 7 days

HOSPITAL/HEALTH CARE/MEDICAL/NON-MEDICAL

FOR USE AS A ONE-STEP GENERAL, HOSPITAL, MEDICAL DISINFECTANT, FUNGICIDE , VIRUCIDE*, DEODORIZER AND CLEANER:

1. Pre-clean visibly soiled areas.
2. Apply use solution of 2 oz. of this product per gal. of water (or equivalent use dilution) to disinfect hard, non-porous, non-food contact surfaces with a sponge, brush, cloth, mop, by immersion, auto scrubber, mechanical spray device, hand pump trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray.
3. Treated surfaces must remain visibly wet for 2 minutes to kill SARS-CoV-2 or for 10 minutes to kill all organisms listed on the label.
4. Wipe dry with a clean cloth or allow to air dry. Rinsing of floors is not necessary unless they are to be waxed or polished.
5. Prepare a fresh solution daily or when visibly dirty.

FOR USE AS A ONE-STEP NON-FOOD CONTACT SURFACE GENERAL, HOSPITAL, MEDICAL DISINFECTANT, FUNGICIDE , VIRUCIDE*, DEODORIZER AND CLEANER:

1. Pre-clean visibly soiled areas.
2. Apply use solution of 2 oz. of this product per gal. of water (or equivalent use dilution) to disinfect hard, non-porous surfaces with a sponge, brush, cloth, mop, by immersion, auto scrubber, mechanical spray device, hand pump or coarse trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray.
3. Treated surfaces must remain visibly wet for 2 minutes to kill SARS-CoV-2 or for 10 minutes to kill all organisms listed on the label. Rinse with potable water after use on surfaces that come in contact with food.
4. Wipe dry with a clean cloth or allow to air dry. Rinsing of floors is not necessary unless they are to be waxed or polished.
5. Prepare a fresh solution daily or when visibly dirty.

TO KILL SARS-COV-2: Pre-clean visibly soiled areas. Apply a use solution of 2 oz. of this product per gal. of water (or equivalent use dilution) to hard, non-porous surfaces. Allow treated surfaces to remain visibly wet for 2 minutes. Rinse with potable water after use on surfaces that come in contact with food.

BLOODBORNE PATHOGEN INSTRUCTIONS:

***KILLS HIV, HBV AND HCV ON PRE-CLEANED HARD, NON-POROUS SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings or other settings in which there is an expected likelihood of soiling of hard, non-porous 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: Specific barrier protection items to be worn when handling items soiled with blood or body fluids are disposable latex gloves, gowns, masks and eye protection.

Cleaning Procedure: Blood and other body fluids containing HIV-1, HBV & HCV must be thoroughly cleaned from hard, non-porous surfaces and objects before application of this product.

Disposal of Infectious Materials: Blood and other body fluids, cleaning materials and clothing must be autoclaved and disposed of according to federal, state and local regulations for infectious waste disposal.

Contact Time: Allow hard, non-porous surfaces to remain visibly wet for 2 minutes to kill HIV and 10 minutes for all organisms listed on the label.

FOR USE AS A DISINFECTANT AND VIRUCIDE* BY ELECTROSTATIC SPRAYING

Before use, remove bystanders and pets from the area to be treated. Wear an N95 filtering facepiece or half face respirator, eye protection, and gloves when spraying.

1. Pre-clean visibly soiled surfaces.
2. Fill the sprayer with a use solution of 2 oz. of this product per gal. of water.
3. Select a nozzle that will produce particles with a volume median diameter (VMD) of $\geq 40 \mu\text{m}$.
4. For units that allow the electrostatic spray function to be turned on or off, set the electrostatic spray function to ON.
5. Spray hard, non-porous surfaces from 6 - 18 inches away until thoroughly wet.
6. Allow surfaces to remain visibly wet for 10 minutes, reapplying if necessary. A 10-minute contact time is necessary to kill SARS-CoV-2 when this product is applied by electrostatic spraying.
7. Allow spray to settle before reentering treated areas.
8. Wipe dry with a clean cloth or allow to air dry.

Note: These directions are not for control of Canine Parvovirus or Rabies Virus.

ULTRASONIC BATH DISINFECTANT DIRECTIONS: Pre-clean visibly soiled areas. Use this product to disinfect hard, non-porous non-critical objects compatible with Ultrasonic cleaning units. Pour a fresh solution of 2 oz. of this product per gal. of water (or equivalent use dilution) directly into bath chamber. Place objects into unit and operate according to manufacturers' use directions for a minimum of 10 minutes. Remove objects and rinse with sterile water. Allow to air dry. Prepare a fresh solution daily or when visibly dirty.

FOR DISINFECTING USE ON HARD, NON-POROUS BATH AND THERAPY EQUIPMENT: Drain the water from the unit. Pre-clean visibly soiled surfaces to remove body oils, dead tissue, soil and all other buildups. Prepare a use solution by adding 2 oz. of this product per every 1 gal. of water (or equivalent use dilution). Refill the unit with the use solution to just cover the intake valve. Briefly start the pump to circulate the solution. Turn off pump. Wash down the unit sides, seat of the chair lift, and all related equipment with a clean swab, brush or sponge. Treated surfaces must remain visibly wet for 10 minutes for proper disinfection. After the unit has been thoroughly disinfected, drain solution from the unit and rinse surfaces with fresh water. The unit is ready for reuse.

CLEANING AND DISINFECTING HARD, NON-POROUS SURFACES ON PERSONAL PROTECTIVE EQUIPMENT (RESPIRATORS): Pre-clean equipment if visibly soiled to ensure proper surface contact. Prepare a use solution by adding 2 oz. of this product per gal. of water (or equivalent use dilution). Gently mix for uniform use solution. Apply use solution to surfaces of the respirator with a sponge, brush, cloth, by immersion, mechanical spray device, hand pump or coarse trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Treated surfaces must remain visibly wet for 10 minutes. Rub with brush, cloth, or sponge and remove excess solution from equipment prior to storage. The user must comply with all OSHA regulations for cleaning respiratory protection equipment (29 CFR § 1910.134). Prepare a fresh solution daily or when visibly dirty.

SANITIZING

NON-FOOD CONTACT SURFACE SANITIZING: Pre-clean visibly soiled areas. Add 2 oz. of this product per gal. of water (or equivalent use dilution). Apply solution to hard, non-porous surfaces with a sponge, brush, cloth, mop, by immersion, auto scrubber, mechanical spray device, hand pump or coarse trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Treated surfaces must remain visibly wet for 3 minutes. Prepare a fresh solution daily or when visibly dirty.

ULTRASONIC BATH SANITIZER DIRECTIONS: Pre-clean visibly soiled areas. To use this product to sanitize hard, non-porous, non-critical objects compatible with ultrasonic cleaning units. Prepare a use solution of 2 oz. of this product per gal. of water (or equivalent use dilution) and pour directly into bath chamber. Place objects into unit and operate for a minimum of 3 minutes, according to manufacturers' use directions. Remove objects and rinse with water. Allow to air dry. Prepare a fresh solution daily or when visibly dirty.

Note: This product in its use solution is compatible with stainless steel, aluminum and most other hard, non-porous surfaces. Before product use, it is recommended that you apply product to a smaller test area to determine compatibility before proceeding with its use.

SANITIZATION OF HARD, NON-POROUS SURFACES ON PERSONAL PROTECTIVE EQUIPMENT (RESPIRATORS): Add 2 oz. of this product per gal. of water (or equivalent use dilution). Gently mix for uniform solution. Apply solution to surfaces of the respirator with a sponge, brush, cloth, by immersion, mechanical spray device, hand pump or coarse trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Thoroughly wet surfaces to be sanitized. Treated surfaces must remain visibly wet for 3 minutes. Remove excess solution from equipment prior to storage. Prepare a fresh solution daily or when visibly dirty.

ENTRYWAY BATH SANITIZER DIRECTIONS: To reduce cross contamination on treated surfaces from entryways and the packaging and storage areas of food plants, shoe baths containing one inch of freshly made sanitizing solution must be placed at all entrances to buildings, hatcheries and at all the entrances to the production and packaging rooms. Scrape waterproof shoes and place in a 2 - 4 oz. of this product per gal. of water (or equivalent use dilution) use solution or allow to remain visibly wet for 3 minutes prior to entering area. Prepare a fresh solution daily or when visibly dirty.

FOR FOOT DIP OF WATER PROOF FOOTWEAR: Use this product at 2 - 4 oz. per gal. of water (or equivalent use dilution) in foot dip tray. Shoe baths must contain at least 1 inch of freshly made solution and be placed at the entrances to buildings. Scrape shoes and place in diluted solution or allow to remain visibly wet for 3 minutes before entering building or in entryways. Prepare a fresh solution daily or when visibly dirty.

SHOE FOAM DIRECTIONS: To reduce cross contamination on treated surfaces from entryways and the packaging and storage areas of food plants, apply a foam layer approximately 0.5 to 2 inches thick made from a solution of 2 - 4 oz. of this product per gal. of water (or equivalent use dilution) at all entrances to buildings, hatcheries, production and packaging rooms by using a foam generating machine or aerator to apply foam layer. Follow the foaming directions as specified by the manufacturer of the foam generator/aerator. Scrape waterproof shoes. Stand and/or walk through foamed area or allow to remain visibly wet for 3 minutes prior to entering area. Foam area must be washed and replaced daily or when it appears visibly soiled or dirty.

SHOE SPRAY SANITIZING DIRECTIONS: For visibly soiled exterior surfaces of footwear, wipe with brush, sponge or cloth to remove excess dirt.

1. Prepare a spray bottle by adding 2 oz. of this product per gal. of water (or equivalent use dilution).
2. Spray sole of footwear 4-6 inches away from surface to thoroughly wet entire surface.
3. Repeat procedure on other sole.
4. Treated surfaces must remain visibly wet for 3 minutes.
5. Wipe up excess product with clean cloth.

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

ENTRYWAY SANITIZING SYSTEMS: To reduce cross contamination on treated surfaces from area to area, set the system to deliver 2 - 4 oz. of this product per gal. of water (or equivalent use dilution) of sanitizing solution. The spray must cover the entire path of the doorway. Set the system so that a continuous wet blanket of sanitizer solution is delivered to the floor. Do not mix other foam additives with the sanitizing solution.

FUNGICIDAL/MOLD/MILDEW

TO KILL FUNGI: Pre-clean visibly soiled areas. Prepare use solution by adding 2 oz. of this product per gal. of water. Apply use solution to hard, non-porous surfaces. Allow surface to remain visibly wet for 10 minutes. Wipe surfaces (and let air dry).

TO CONTROL MOLD/MILDEW: Pre-clean visibly soiled areas. Prepare use solution by adding 2 oz. of this product per gal. of water (or equivalent use dilution). Apply use solution to hard, non-porous surfaces which will effectively inhibit the growth of mold and mildew and their odors. Repeat treatment every seven days, or more often if new growth appears.

TO CONTROL THE GROWTH OF MOLD AND MILDEW ON LARGE INFLATABLE NON-POROUS PLASTIC AND RUBBER STRUCTURES: For use on nonporous plastic and rubber surfaces such as inflatable animals, promotional items, moonwalks, slides, obstacle course play and exercise equipment. Thoroughly clean surfaces with soap or detergent and rinse with water. Apply a use solution of 2 oz. of this product per gal. of water by sponge, brush, cloth, mop, mechanical spray device, hand pump or coarse trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Do not use equipment until treatment has been absorbed, set or dried. Repeat treatment every seven days, or more often if new growth appears.

TO CONTROL THE GROWTH OF MOLD AND MILDEW ON NON-POROUS ATHLETIC EQUIPMENT: For use on wrestling and gymnastic mats, athletic mats, exercise equipment, athletic training tables, physical therapy tables, athletic helmets, wrestling/boxing headgear, athletic shoe soles, and other hard, non-porous surfaces. Thoroughly clean surfaces with soap or detergent and rinse with water. Prepare a use solution of 2 oz. of this product per gal. of water (or equivalent use dilution). Apply by a sponge, brush, cloth, mop, by immersion, mechanical spray device, hand pump or coarse trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Ventilate buildings and other closed spaces. Do not use equipment until treatment has been absorbed, set or dried. Repeat treatment every seven days, or more often if new growth appears.

ANIMAL PREMISES

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

FOR USE AS AN ANIMAL PREMISE DISINFECTANT/VIRUCIDE*: Prepare a use solution of 2 oz. of this product per gal. of water (1:64) for effectiveness against designated animal viruses on the label.

FOR USE AS AN ANIMAL PREMISE DISINFECTANT/VIRUCIDE:** Prepare a use solution of 9 oz. of this product per gal. of water (1:14) for effectiveness against designated animal viruses on the label. Apply use solution to disinfect hard, non-porous surfaces with a sponge, brush, cloth, by immersion, mechanical spray device, hand pump or coarse trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Immerse all halters and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure in the use solution. Treated surfaces must remain visibly wet for 10 minutes. Ventilate buildings, coops and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, troughs, automatic feeders, fountains and waterers and other treated equipment which can contact food or water with soap or detergent, and rinse with potable water before reuse.

HATCHERIES: Use to treat hatchers, setters, trays, racks, carts, sexing tables, delivery trucks and other hard, non-porous surfaces. Use 2 oz. of this product per gal. of water (or equivalent use dilution). Leave all treated surfaces visibly wet for 10 minutes or more. Allow to air dry.

VEHICLES: To clean hard, non-porous surfaces on vehicles including mats, crates, cabs, and wheels, use 2 oz. of this product per gal. of water (or equivalent use dilution). Apply use solution to hard, non-porous surfaces on vehicles. Leave treated surfaces visibly wet for 10 minutes. Allow to air dry.

REPTILE TANK CLEANING AND DISINFECTION DIRECTIONS: Remove all reptiles from the tank prior to cleaning and disinfecting. Remove all litter or drippings from surfaces. Empty all equipment used for feeding or watering reptiles. Thoroughly clean surfaces with soap or detergent and rinse with water. Apply disinfecting and virucidal* solution of 2 oz. of this product per gal. of water (or equivalent use dilution) to hard, non-porous surfaces of the enclosure. Apply by cloth, mop, brush, sponge, by immersion, mechanical spray device, hand pump or coarse trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Allow surfaces to remain visibly wet for 10 minutes. Wipe dry. Rinse surfaces that come in contact with food with potable water before reuse. Allow the enclosure to ventilate for a minimum of 10-15 minutes before replacing the reptiles. Prepare a fresh solution daily or when visibly dirty.

Note: Do not apply this product directly onto the reptile. If this product comes into contact with the reptile's skin, then immediately wash the material off of the animal with lukewarm water. If the reptile ingests this product, contact your veterinarian immediately.

TERRARIUM AND SMALL ANIMAL CAGE AND CAGE FURNITURE DISINFECTION: Animals frequently defecate on rocks and other hard, non-porous cage furniture items inside your terrarium. This can result in high bacteria and ammonia levels that can lead to possible infection/disease in your animals. When used regularly, this product reduces these high bacteria/ammonia levels in your cage and on your cage furniture items. (Do not use on porous rocks, hot rocks, and driftwood.)

1. Remove all animals.
2. Thoroughly clean surfaces and objects including the substrate in the terrarium or cage with soap or detergent and rinse with water.
3. Saturate all hard, non-porous surfaces such as floors, walls, cages and other washable hard, non-porous surfaces with the disinfecting and virucidal* solution of 2 oz. of this product per gal. of water (or equivalent use dilution) so as to wet thoroughly.
4. Apply by cloth, mop, brush, sponge, by immersion, mechanical spray device, hand pump or coarse trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. For smaller surfaces, use a trigger spray bottle to spray surfaces with solution.
5. Allow surfaces to remain visibly wet for a period of 10 minutes.
6. Saturate gravel as above and let stand for 10 minutes. Place in bucket of clean water and swirl for 15-30 seconds. Thoroughly air dry before returning to terrarium.
7. Thoroughly scrub all treated surfaces (except gravel) with soap or detergent and rinse with potable water before reuse.
8. Do not return animals to the habitat until it is dry and ventilated.
9. Clean terrarium at least once weekly or more as needed. Change cloth, sponge or towels frequently to avoid re-deposition of soil.
10. Prepare a fresh solution daily or more often if use solution becomes visibly soiled or dirty.

Note: Substrates for desert terrariums (i.e. gravel) must be completely dry before returning to terrarium to avoid high humidity levels. Always replace substrate if a foul odor persists. Do not apply this product directly onto the small animal. If this product comes into contact with the small animal's skin, then immediately wash the material off of the animal with lukewarm water. If the small animal ingests this product, contact your veterinarian immediately.

SANITIZER DIRECTIONS FOR HARD, NON-POROUS NON-FOOD CONTACT SURFACES IN ANIMAL PREMISES
TO SANITIZE HOOF TRIMMING EQUIPMENT: Prior to application, pre-clean hoof trimming equipment before and after use on each animal with detergent and warm water or compatible cleaner to remove soil using a pre-scrape, pre-flush, or when necessary, pre-soak followed by a potable water rinse. To sanitize, add 2 oz. of this product per gal. of water (or equivalent use dilution) and apply to hard, non-porous trimmer surfaces with a sponge, brush, cloth, by immersion, hand pump or coarse trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Treated surfaces must remain visibly wet for 3 minutes. Prepare a fresh solution daily or when visibly dirty.

FOGGING FOGGING IN FOOD PREMISES

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

DIRECTIONS FOR CLEANING IN DAIRIES, BEVERAGE AND FOOD PROCESSING PLANTS USING FOGGING DEVICES: Prior to fogging, food products and packaging material must be removed from the room or carefully protected. After disinfecting, fog desired areas using 1 quart per 1,000 cubic feet of room area with a solution containing 3.6 oz. of product per gal. of water (or equivalent use dilution). Wear a dust mist respirator when mixing the use solution and pouring it into the fogging apparatus. Vacate the area of all personnel during fogging and for a minimum of 2 hours after fogging and a minimum of 4 air exchanges (ACH) per hour in the facility. When fogging is complete, ventilate buildings and other closed spaces. All food contact surfaces must be sanitized with an EPA approved food contact sanitizer solution prior to use. All food contact surfaces must be thoroughly rinsed with potable water prior to sanitizing.

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

FOGGING IN POULTRY HOUSES

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

CLEANING OF HATCHERY ROOMS USING FOGGING DEVICES: Remove all animals and feed from premises, vehicles and enclosures. Remove all litter and manure from floors, walls and surfaces of the room to be treated. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean surfaces with soap or detergent and rinse with water. Close room off so fog is confined to room to be treated. Add this product undiluted to the fogging apparatus. Wear a dust mist respirator while pouring. 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. Vacate the area of all personnel during fogging and for a minimum of 2 hours after fogging and a minimum of 4 air exchanges (ACH) per hour in the facility. When fogging is completed, ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed or dried. Thoroughly clean all treated surfaces with soap or detergent and rinse with water.

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

CLEANING OF INCUBATORS AND HATCHERS USING FOGGING DEVICES: Only for treatment of setters and hatchers after poultry/chicks/eggs have been removed. Not for treatment of hatchers which contain chicks/eggs. Mix 34 oz. of this product per gal. of water (or equivalent use dilution). Wear a dust mist respirator when mixing the use solution and pouring it into the fogging apparatus. Fog 3-8 oz. of this into setters and hatchers immediately after transfer. Repeat daily in setters and every 12 hours in hatchers. Discontinue hatcher treatments at least 24 hours prior to pulling the hatch. Do not allow people to contact or breathe this fog. It is acceptable to fog setters and hatchers with a 2.6 oz. of this product per gal. of water solution (or equivalent use dilution) on an hourly or every other hour basis. If this is done, fog for 30-90 seconds once per hour or once every two hours. Vacate the area of all personnel during fogging and for a minimum of 2 hours after fogging and a minimum of 4 air exchanges (ACH) per hour in the facility. When fogging is completed, ventilate buildings, and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed or dried. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers, and other treated equipment with soap or detergent, and rinse with potable water before reuse.

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

BARBER/SALON

FOR USE AS A DISINFECTANT, FUNGICIDE, VIRUCIDE* OF GROOMING CLIPPERS, HAIR CLIPPERS, ELECTRIC SHEARS, BARBER/SALON SHEARS AND OTHER IMPLEMENTS, BARBER INSTRUMENTS AND TOOLS: Remove hair, dandruff and dust particles prior to disinfecting the blades. While clipper/shear is running, hold in the downward position and spray with a use solution of 2 oz. of this product per gal. of water (or equivalent use dilution). Do not spray on the clipper case or drip into clipper housing. Immerse pre-cleaned barber/salon tools such as combs, brushes, razors, clipper and/or trimmer blades, tweezers, manicure/pedicure tools, scissors, and other salon instruments and tools in a use solution of 2 oz. of this product per gal. of water (or equivalent use dilution) for at least 10 minutes. Rinse thoroughly and dry before use. Prepare a fresh solution daily or when visibly dirty.

Note: Plastic instruments can remain immersed until ready to use. Stainless steel shears and other metal instruments must be removed after 10 minutes, rinsed, dried and kept in a clean, non-contaminated receptacle. Prolonged soaking will cause damage to metal instruments.

FOR USE AS A DISINFECTANT, FUNGICIDE, VIRUCIDE* OF HARD, NON-POROUS SURFACES IN FOOTBATHS:

To remove body oils, dead tissue, soil and all other buildups or organic matter on surfaces after using the footbath, drain the water and thoroughly clean surfaces with soap or detergent, then rinse with water. Apply a use solution of 2 oz. of this product per gal. of water (or equivalent use dilution) on surfaces with a brush, cloth, mop, sponge, hand pump or coarse trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Allow surfaces to remain visibly wet for 10 minutes. After the unit has been thoroughly disinfected, rinse surfaces with fresh water. The unit is then ready for reuse.

RESTROOM/BATHROOM

NON-ACID TOILET BOWL AND URINAL DISINFECTANT/CLEANING DIRECTIONS

Remove visible soil prior to disinfection.

From a Concentrate: Add 2 oz. of this product directly into the water in the toilet bowl. Brush thoroughly over exposed surfaces and under the rim with a toilet brush, cloth, or sponge. Allow surfaces to remain visibly wet for 10 minutes and flush.

From a Use Solution: Empty water out of toilet bowl or urinal and apply use-solution prepared by adding 2 oz. of this product per gal. of water (or equivalent use dilution) to exposed surfaces, including under the rim with a toilet brush, cloth, or sponge, hand pump or coarse trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Allow surfaces to remain visibly wet for 10 minutes and flush.

FOR HEAVY DUTY CLEANING OF TOILET BOWLS AND URINALS: Pre-clean visibly soiled areas. Empty water from toilet bowl or urinal and apply a use solution of 4 oz. of this product per gal. of water to exposed surfaces including under the rim with toilet brush, mop, cloth, or sponge, or mechanical spray device, hand pump or coarse trigger spray device. For sprayer application, spray 6-8 inches from surface. Do not breathe spray. To aid in soil removal, allow to soak. Allow surfaces to remain visibly wet for 10 minutes and flush.

DEEP CLEANING/DISINFECTING WATERLESS URINALS: Pre-clean visibly soiled surfaces. Remove and properly dispose of cartridge according to manufacturer's directions. Deep clean or disinfect the entire urinal by applying a use solution of 2 oz. per gal. of water (or equivalent use dilution) directly onto surface. Allow surfaces to remain visibly wet for 10 minutes. Wipe surface to clean. Change cartridge as needed. The unit is ready for use.

TO CLEAN WATERFREE/WATERLESS URINALS: Remove any debris from the urinal. Spray 0.5 to 1 oz. of use solution onto urinal surface. To prepare use solution: Add 2 oz. per gal. of water (or equivalent use dilution). DO NOT spray product directly onto cartridge. Wipe surface to clean. Change cartridge as needed. The unit is ready for use.

TO DISINFECT TUBS, SHOWER STALLS, SINKS, AND FAUCETS: Pre-clean visibly soiled areas. Apply a use solution of 2 oz. of this product per gal. of water (or equivalent use dilution) on all hard, non-porous surfaces with a brush, cloth, mop, sponge, hand pump or coarse trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Wipe surfaces. Allow surface to remain visibly wet for at least 10 minutes. Wipe up excess liquid with a paper towel and allow to air dry. Change cloth, sponge or towels frequently to avoid redeposition of soil. Prepare a fresh solution daily or when visibly dirty.

FOR USE TO CLEAN AND DISINFECT SHOWER ROOMS, LOCKER ROOMS AND OTHER LARGE, OPEN AREAS WITH FLOOR DRAINS:

1. Pre-clean visibly soiled areas.
2. Apply use solution of 2 oz. of this product per gal. of water (660 ppm active) to floors, walls and ceilings making sure not to over spray. To disinfect, all hard, non-porous surfaces must remain visibly wet for 10 minutes.
3. Scrub using a deck brush or other coarse material as necessary.
4. Rinse surfaces thoroughly and let air dry.
5. Prepare a fresh solution daily or when visibly dirty.

DEODORIZATION/CLEANING

FOR USE AS A GENERAL CLEANER AND/OR DEODORIZER: Apply use solution of 2 oz. of this product per gal. of water (or equivalent use dilution) to hard, non-porous surfaces. Rinse or allow to air dry. Rinse with potable water after use on surfaces that come in contact with food. For heavy-duty use, add 4 oz. of this product per gal. of water to clean hard, non-porous surfaces.

GENERAL DEODORIZATION: To deodorize, apply 2 - 4 oz. of this product per gal. of water (or equivalent use dilution) to hard, non-porous surfaces. Rinse or allow to air dry. Rinse with potable water after use on surfaces that come in contact with food.

FOR DEODORIZING SEPTIC STORAGE TANKS: Pre-clean visibly soiled areas. When tanks are empty, pour 2 - 4 oz. of this product for every gal. of water in tank on recreational vehicles, campers and boats to control odors. As tank fills with sewage and the vehicle is moving, this solution will mix and provide an adequate deodorizing solution for this use. This product is to be used on gray and black water tanks only. Check with local, state, or federal authorities before disposing of sewage in accordance to federal, state and local regulations for waste disposal. (Not for use in CA.)

RV HOLDING TANKS/RECREATIONAL VEHICLES: For toilet waste and holding tanks, cover bottom of holding tank with water and add 2 - 4 oz. of this product per gal. of water to deodorize. If odors return before time to empty, add 2 - 4 oz. per gal. of water to the tank. For kitchen waste, add 2 - 4 oz. per gal. of water to gray water tank as needed to control malodors created by dirty dishwasher. (Not for use in CA.)

AUTOMOTIVE USES: A solution of 2 - 4 oz. of this product per gal. of water will effectively neutralize damp musty odors. Spray or apply onto seats, carpets, headliner and ashtray or into trunk and all vents to eliminate odors from tobacco, food, beverage spills and musty carpet. For sprayer applications, use a coarse spray device. Allow to air dry. (Not for use in CA.)

AIR FRESHENER: A solution of 2 - 4 oz. of this product per gal. of water will effectively neutralize damp musty odors caused by mildew in storage areas, basements, closets, bathrooms and A/C filters. Spray to eliminate odors from tobacco, food, beverage spills and musty carpet. For sprayer applications, use a coarse spray device. Allow surface to air dry. (Not for use in CA.)

WATERBED CONDITIONER (Not for use in CA.): When used as a waterbed conditioner, this product eliminates odor. If bed has not been treated properly, drain bed completely. Add 15 gal. of water, mix vigorously, drain bed again. Fill bed with water and follow dosage directions.

Dosage: To eliminate odor, add 13.2 oz. of this product in a waveless/fiber or free flow waterbed of 90 to 180 gal. capacity. Repeat application every 4 to 6 months.

GLASS CLEANING/DEODORIZING DIRECTIONS: Use a 2 - 4 oz. of this product per gal. of water use solution to clean and deodorize windows, mirrors, and glass surfaces. Use a coarse spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Rub with sponge or cloth. Change cloth, sponge or towels frequently to avoid re-deposition of soil.

FOR USE AS A CLEANER ON FINISHED FLOORS: To limit gloss reduction, use 2 - 4 oz. of this product per gal. of water. Apply with a damp mop or auto scrubber. Allow surface to air dry.

CARPET CLEANING

SPECIAL INSTRUCTIONS FOR CLEANING CARPETS: This product can be used to clean carpets in industrial, institutional, commercial areas such as motel & hotel chains, nursing homes, schools and hospitals. For use on wet cleanable synthetic fibers. Do not use on wool. Vacuum carpet thoroughly prior to cleaning. Test fabric for color fastness.

For Portable Extraction Units: Mix 2 - 4 oz. of this product per gal. of water (or equivalent use dilution).

For Truck Mounted Extraction Machines: Mix 2 - 4 oz. of this product per gal. of water (or equivalent use dilution) and meter at 4 gal. per hour.

For Rotary Floor Machines: Mix 2 - 4 oz. of this product per gal. of water (or equivalent use dilution) and apply at the rate of 300-500 sq. ft. per gal.

Do not mix this product 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 CLEANING/DEODORIZING (Not for use in CA.) **FOR INSTITUTIONAL, INDUSTRIAL AND HOSPITAL USE:** This product cleans and deodorizes the carpet. It can be used in industrial, institutional, commercial areas such as motels, hotel chains, nursing homes and hospitals.

Vacuum carpet thoroughly prior to application. Mix 2 - 4 oz. of this product per gal. 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 - 4 oz. of this product per gal. of water and spray on carpet at a rate of 300-500 sq. ft. per gal.

For use on washable synthetic fibers. Do not use on wool. Test color fastness 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 the 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 must not be mixed with other cleaning products.

WATER AND SMOKE DAMAGE RESTORATION

SEWER BACKUP & RIVER FLOODING: To use as a deodorizer, dilute 2 - 4 oz. of this product per gal. of water allowing for the diluting effect of absorbed water within saturated materials. Remove gross filth or heavy soil along with non-salvageable materials. Saturate all affected areas with a mechanical spray device, coarse pump or trigger spray device before and after cleaning and extraction. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Use proper ventilation; open windows. (Not for use in CA.)

CARPETS, CARPET CUSHIONS, UPHOLSTERY, DRAPES AND OTHER POROUS MATERIALS, SUB FLOORS, DRYWALL, TRIM AND FRAME LUMBER, TACKLESS STRIP AND PANELING: To use as a deodorizer against water damage, extract the excess water. Test hidden area for colorfastness. Dilute 2 - 4 oz. of this product per gal. of water, allowing for the diluting effect of absorbed water within saturated materials. Remove gross filth or heavy soil. Apply directly with a mechanical spray device or coarse pump or trigger spray device to fully saturate affected materials. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Roll, brush or agitate into materials. Follow with a thorough extraction. Dry rapidly and thoroughly. (Not for use in CA.)

WATER AND SMOKE DAMAGE RESTORATION: Effective against odor caused by smoke and water damage. This product is particularly suitable for use in water damage restoration. Dilute 2 - 4 oz. of this product per gal. of water, allowing for the diluting effect of absorbed water within saturated materials. Saturate affected materials with enough product to remain visibly wet for at least 10 minutes. Use proper ventilation. (Not for use in CA.)

OTHER USES

DISINFECTION/FUNGICIDE/VIRUCIDE* OF HARD, NON-POROUS SURFACES IN WHIRLPOOL UNITS: After using the whirlpool unit, drain unit. Prepare a use solution of 2 oz. of the product per gal. of water (or equivalent use dilution) and refill with use solution to just cover the intake valve or 2 inches above the highest jet. Briefly start the pump to circulate the solution. Turn off the pump. Wash down the unit sides, seat of the chair lift and any other related equipment with a clean swab, brush or sponge. Treated surfaces must remain visibly wet for 10 minutes. After the unit has been thoroughly disinfected, drain the solution from the unit and rinse disinfected surfaces with fresh water. Wipe dry with a clean sponge or cloth or allow to air dry. Repeat for visibly soiled units.

SANITIZATION OF HARD, NON-POROUS SURFACES IN WHIRLPOOL UNITS: To remove body oils, dead tissue, soil and all other buildups or organic matter on surfaces after using the whirlpool unit, drain and refill with a solution of 2 oz. of this product per gal. of water (or equivalent use dilution) to just cover the intake valve or 2 inches above the highest jet. Briefly start the pump to circulate the solution. Turn off the pump. Wash down the unit sides, seat of the chair lift and any other related equipment with a clean swab, brush or sponge. Treated surfaces must remain visibly wet for 3 minutes. After the unit has been thoroughly sanitized, drain the solution from the unit and rinse all with fresh water. Repeat for visibly soiled units. Then the unit is ready for reuse.

FOR DISINFECTING BAGLESS VACUUM CLEANERS: Turn off and unplug vacuum cleaner. Remove the hard, non-porous container that houses collected material from the vacuum cleaner. Empty contents into a waste receptacle. Rinse collection container with water and wipe clean to remove any additional collected material. Prepare a use solution of 2 oz. of this product per gal. of water (or equivalent use dilution) and apply use solution to collection container with a brush, cloth, mop, sponge, mechanical spray device, hand pump or coarse trigger spray device. For sprayer applications, spray 6-8 inches from surface. Do not breathe spray. Allow surfaces to remain visibly wet for 10 minutes. Wipe up excess liquid with a clean cloth or sponge or allow to air dry. Reattach container to vacuum cleaner.

FOR DISINFECTING NON-POROUS VACUUM CLEANER BRUSHES: Turn off and unplug vacuum cleaner. Remove the non-porous brushes from vacuum cleaner. Prepare a use solution of 2 oz. of this product per gal. of water (or equivalent use dilution) and submerge brush in use solution so as to wet surfaces thoroughly. Allow surfaces to remain visibly wet for 10 minutes. Wipe up excess liquid with a clean cloth or sponge or allow to air dry. Reattach brushes to vacuum cleaner.

MUSHROOM FARM INDUSTRY USE DIRECTIONS

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

Disinfection: For visibly soiled areas, pre-clean first. Use 2 oz. of this product per gal. of water (or equivalent use dilution) use solution. Wet all hard, non-porous surfaces thoroughly. Treated surfaces must remain visibly wet for 10 minutes. Let air-dry. Prepare a fresh solution for each use.

For Heavy Duty Cleaning: When heavy duty cleaning is desired, use 4 oz. of this product per gal. of water (or equivalent use dilution). Heavily soiled areas will require repeated cleaning before treatment.

DO NOT APPLY TO THE MUSHROOM CROP, COMPOST OR CASING. Rinse treated surfaces with potable water before they contact the crop, compost or casing.

WORK AREAS AND BENCHES, POTS, FLATS AND FLOWER BUCKETS, CUTTING TOOLS: Pre-clean surfaces. Spray hard, non-porous working surfaces with a use solution of 2 oz. of this product per gal. of water (or equivalent use dilution) before each work period and again after each plant is completed to help control transfer of diseases such as *Botrytis*, crown rot, downy mildew, *Erwinia* and root rot*. Allow surface to remain visibly wet for 10 minutes. To apply solution as a sprayer application, use as a coarse spray only and spray 6-8 inches from surface. Do not breathe spray. Wipe up excess liquid or allow to air dry. Dry and oil tools at the end of each workday. Prepare a fresh solution daily or when visibly dirty. (*Not for use in CA.)

FLORIST USE DIRECTIONS: To clean, disinfect and deodorize hard, non-porous surfaces, prepare use solution of 2 oz. of this product per gal. of water (or equivalent use dilution). For heavy-duty use, add 4 oz. of this product per gal. of water (or equivalent use dilution). Remove all leaves, petals, garbage and refuse. Pre-clean surfaces using pressurized water where possible. Apply use solution to hard, non-porous surfaces, thoroughly wetting surfaces as required, with a cloth, mop, brush, sponge, or mechanical spray device, hand pump or coarse trigger spray device. For sprayer applications, spray 6-8 inches from surface. Do not breathe spray. Treated surfaces must remain visibly wet for 10 minutes. Rub with brush, sponge, mop or cloth. Wipe up excess or allow to air dry. Change cloth, sponge or towels frequently to avoid re-deposition of soil. Prepare a fresh solution daily or when visibly dirty.

CITRUS CANKER CONTROL: For prevention of Citrus Canker Disease through treatment of equipment. Effective against *Xanthomonas axonopodis* pv. *citri* (Citrus Canker). Treat all trucks, cargo areas, wheels, tires, under carriages, hoods, roofs, fenders and any other part of transportation equipment, attached trailers, field harvesting vehicles and equipment thoroughly with a dilution of 6.4 oz. of this product per gal. of water (or equivalent use dilution). Surfaces must remain visibly wet for 10 minutes. Apply treatments by trigger spray, dip or brush. For sprayer applications, use a coarse spray device and spray 6-8 inches from hard, non-porous surfaces. After use, surfaces which come in contact with food or crop must be rinsed with potable water. Clothing must be either thoroughly rinsed or laundered before reuse. Footwear must be rinsed before reuse. Prepare a fresh solution daily or when visibly dirty. (Not for use in CA.)

SPECIAL INSTRUCTIONS FOR CLEANING AND DISINFECTING AREAS WHICH MAY BE INFESTED WITH HANTAVIRUS: Infection with Hantavirus occurs by inhalation of infectious materials. CDC recommends that persons involved with cleanup wear coveralls, rubber boots or disposable shoe covers, rubber or plastic gloves, protective goggles, and a half mask air purifying, negative pressure respirator with a high efficiency particulate air filter or a powered air-purifying respirator with HEPA filter. Disinfect Personal protective gear upon removal at the end of the day. If coveralls are not disposable, they must be laundered on site. If no laundry facilities are available, the coveralls must be immersed in liquid disinfectant until they can be washed. All potential infective waste material from cleanup operations that cannot be burned or deep buried on site must be double bagged in appropriate plastic bags. The bagged material must then be labeled as infectious and disposed of in accordance with local requirements for infectious wastes. Rodent droppings and visible dust can be reservoirs for Hantavirus. If you are cleaning out a building that has been closed up, such as a cabin, shed or garage:

1. Air out the building for at least 30 minutes by opening windows and doors.
2. Leave the building while it is airing out.
3. Do not vacuum, sweep or dust. This may spread the virus through the air.
4. Thoroughly wet the contaminated areas with 2 oz. of this product per gal. of water use solution (or equivalent use dilution) and allow to stand undisturbed for 10 minutes.
5. Carefully remove contaminated material and dispose by burial or burning. Contact your local and state health department for additional disposal methods.
6. Treat the surface again following the label directions and allow solution to stand undisturbed for 10 minutes.

ALTERNATIVE CONTAINER/DELIVERY SYSTEMS

TRIGGER SPRAYERS: Fill bottle from dispenser. Apply to surfaces according to the directions for use.

SPRAY USE INSTRUCTIONS:

How to Assemble Extendable Trigger

1. Remove sprayer from bottle.
2. Insert end of tube into bottle until new cap meets bottle.
3. Twist cap onto bottle until secure.

How to Spray

1. Adjust nozzle to ON position as indicated on nozzle.
2. To prime sprayer, direct nozzle toward surface to be treated and squeeze trigger several times until liquid is seen through the length of the tube. **Note:** Keeping sprayer head below the level of liquid in bottle will make priming easier.

After Use

1. Turn nozzle to OFF position.

(Spray Cap container language)

Shake Well. Remove sticker. Open flip cap. Firmly insert red hose tip.

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

REFILLS

To Refill Concentrate From Large Containers Into Smaller Containers: This product may be used to fill and refill clean, properly labeled containers for dilution elsewhere within your facility. Make sure the small container has been cleaned, dried and properly labeled according to state and local regulations. Also make sure other items are properly cleaned and dried. To refill, simply pour from the larger container directly into the smaller one being careful not to spill any product. Keep both containers sealed when not in use.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

STORAGE: Store only in original container. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

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

CONTAINER HANDLING:

For non-refillable containers equal to or less than 5 gal.

Non-Refillable Container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

For non-refillable containers greater than 5 gal.

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

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

ENVIRONMENTAL HAZARDS

This product is toxic to fish, 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 into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

