



DISINFECTANT & CLEANER

USE DILUTION TABLE

Use	Dilution	Contact Time
For Bactericidal Hospital or Medical Environment Disinfectant claims	2 oz / gal water	10 minutes
For General or Broad Spectrum Bactericidal Disinfectant claims	2 oz / gal water	10 minutes
For Virucidal* claims	3 oz / gal water	10 minutes
**For Norovirus claims	6 oz / gal water	10 minutes
For Non-Food Contact Sanitizing claims	3 oz / gal water	1 minute
For Fungicidal claims	4 oz / gal water	10 minutes
For Mildewstatic claims	1.25 oz / gal water	7 days

FOR USE AS A GENERAL, HOSPITAL BACTERICIDAL DISINFECTANT, DEODORIZER AND CLEANER

- 1 Pre-clean visibly soiled areas.
- 2 Apply use solution of 2 oz. of this product per gal. of water to disinfect hard, non-porous, non-food contact surfaces with a sponge, brush, cloth, mop, by immersion, auto scrubber, mechanical spray device, trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray.
- 3 Treated surfaces must remain wet for 10 minutes.
- 4 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 VIRUSES*: Pre-clean visibly soiled surfaces. Prepare use solution by adding 3 oz. of this product per gal. of water (or equivalent dilution). Apply use solution to hard, non-porous surfaces. Allow surface to remain wet for 10 minutes. Wipe surfaces.

TO KILL NOROVIRUS:** Pre-clean visibly soiled surfaces. Prepare use solution by adding 6 oz. of this product per gal. of water (or equivalent dilution). Apply use solution to hard, non-porous surfaces. Allow surface to remain wet for 10 minutes. Wipe surfaces.

***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), 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 surface to remain wet for 10 minutes to kill all viruses and bacteria listed on the label.

NON-FOOD CONTACT SURFACE SANITIZING DILUTION TABLE

Use	Dilution	Contact Time
For Non-Food Contact Surface Sanitizing claims at 150ppm	0.35 oz / gal water	4 minutes
For Non-Food Contact Surface Sanitizing claims at 1275ppm	3 oz / gal water	1 minute

NON-FOOD CONTACT SURFACE SANITIZING: Pre-clean visibly soiled surfaces. Add (insert appropriate non-food contact dilution from list). Apply solution to hard, non-porous surfaces with a sponge, brush, cloth, mop, by immersion, auto scrubber, mechanical spray device, or trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Treated surfaces must remain wet for (insert corresponding contact time for chosen dilution). Prepare a fresh solution daily or when visibly dirty.

FOR USE AS A BACTERICIDAL DISINFECTANT IN FOOD PROCESSING PLANTS/PREMISES/ FOOD SERVICE ESTABLISHMENTS/FOOD STORAGE AREAS AND EQUIPMENT

Pre-clean visibly soiled areas. Apply use solution of 2 - 3 oz. of this product per gal. of water (or equivalent use dilution) to disinfect hard, nonporous surfaces with a sponge, brush, cloth, mop, by immersion, auto scrubber, mechanical spray device, or trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Treated surfaces must remain wet for 10 minutes. Wipe dry or allow to air dry. Rinsing of floors is not necessary unless they are to be waxed or polished. When disinfecting surfaces that come in contact with food, rinse surfaces thoroughly with potable water. This product must not be used to clean the following surfaces: utensils, glassware, dishes or interior surfaces of processing equipment. Note: All surfaces that come in contact with food, such as appliances and kitchen countertops, must be rinsed with potable water after treatment. Do not use this product to clean or disinfect glassware, utensils, dishes, or interior surfaces of appliances.

FUNGICIDAL/MOLD/MILDEW

TO KILL FUNGI: Pre-clean visibly soiled hard, non-porous surfaces. Prepare use solution by adding 4 oz. of this product per gal. of water (or equivalent dilution). Apply use solution to hard, non-porous surfaces. Allow surface to remain wet for 10 minutes. Wipe surfaces and let air dry.

TO CONTROL MOLD/MILDEW: Pre-clean visibly soiled hard, non-porous surfaces. Prepare use solution by adding 1.25 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.

DEODORIZATION/CLEANING

FOR USE AS A GENERAL CLEANER AND/OR DEODORIZER: Prepare use solution of 1.25 - 4 oz. of this product per gal. of water (or equivalent use dilution) and apply to hard, non-porous surfaces. Wipe up excess liquid with a paper towel or allow to air dry. For heavy-duty use, apply 4 oz. of this product per gal. of water to clean hard, non-porous surfaces.

NON-ACID TOILET BOWL AND URINAL DISINFECTANT DIRECTIONS: Remove heavy 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, mop, cloth, or sponge. Allow solution to stand for 10 minutes and flush.

FROM A USE SOLUTION: Empty water out of toilet bowl or urinal and apply a use solution 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, mop, cloth, or sponge, trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Brush or swab thoroughly, then allow solution to stand for 10 minutes and flush.

CLEAN & DISINFECT KITCHEN/ BATHROOM/ HOUSEHOLD HARD, NON-POROUS NON-FOOD CONTACT SURFACES

Pre-clean visibly soiled areas. Apply a solution of 2 oz. of this product per gal. of water (or equivalent use dilution) to hard, non-porous non-food contact surfaces with a brush, cloth, mop, sponge, mechanical spray device, or trigger spray device. For spray applications, hold container 6 to 8 inches from surface. Do not breathe spray. For disinfection, treated surfaces must remain wet for 10 minutes. Rinse with potable water after use on surfaces that come in contact with food. Wipe up excess liquid or allow to air dry. Prepare a fresh solution daily or when visibly dirty.

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, 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, TACK-LESS 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 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 for home, institutional, industrial and hospital use. 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 wet for at least 10 minutes. Use proper ventilation. (Not for use in CA.)

FOGGING

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

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 0.5 quart per 1,000 cubic feet of room area with a solution containing 3 oz. of product per gal. of water (or equivalent use dilution). Do not breathe spray mist. Wear a minimum of NIOSH-approved particulate filtering facepiece respirator with any N, R or P filter when mixing the use solution and pouring it into the fogging apparatus. Higher level respirators that are NIOSH approved for particulates can also be used. 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 surfaces that come in contact with food must be rinsed with potable water and then sanitized with an EPA approved food contact sanitizer solution prior to use.

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 minimum of a filtering face piece NIOSH approved respirator (TC-84A) with any N filter, goggles, long sleeves, gloves and long pants. Higher level respirators that are NIOSH approved for particulates can also be used.

FOR USE IN

- Airports, transportation terminals, travel rest areas
- Automobiles, trucks, trailers, automotive garages
- Delivery trucks and maintenance vehicles
- Emergency vehicles, police cars, EMS & fire facilities
- Police Stations, correctional facilities, municipal government buildings
- Athletic, and recreational facilities
- Schools, colleges, and universities
- Businesses, office buildings, workstations, break rooms
- Restaurants, bars, kitchens, taverns, institutional kitchens, fast food operations, food storage areas
- Institutional, commercial, industrial, institutions, commercial sites, industrial sites, institutional facilities, public places, homes, households, condos, apartments, mobile homes,
- Kitchens, bathrooms and other household areas
- Food handling and processing areas
- Public Restrooms

FOR USE ON

- Glass surfaces, aluminum, brass, copper, laminated surfaces, metal, plated steel, stainless steel
- Glazed porcelain, glazed tile, glazed ceramic
- Sealed granite, sealed marble, plastic {such as polycarbonate,
- Polyvinylchloride, polystyrene or polypropylene}, sealed limestone, sealed slate, sealed stone, sealed terra cotta, sealed terrazzo, chrome, Plexiglas®, enameled surfaces, painted {finished} woodwork, Formica®, vinyl and plastic upholstery, washable wallpaper, windows, mirrors, painted surfaces
- Highchairs, baby cribs, diaper changing stations, infant bassinets/cribs/care equipment, folding tables
- Countertops, counters, countertop laminates, stovetops
- Bathroom and kitchen sinks, tub surfaces, shelves, racks, carts, appliances, refrigerators, microwave ovens



DISINFECTION PERFORMANCE

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

- | | |
|-------------------------------|---|
| Acinetobacter baumannii | Pseudomonas aeruginosa |
| Burkholderia cepacia | Pseudomonas aeruginosa (MDR) |
| Campylobacter jejuni | Salmonella enterica |
| Corynebacterium ammoniagenes, | Salmonella enterica subspecies enterica serovar Paratyphi B |
| Enterobacter aerogenes | Salmonella enterica subspecies enterica serovar Typhi |
| Enterobacter cloacae | Serratia marcescens |
| Enterococcus faecalis | Shigella dysenteriae |
| Enterococcus faecium VRE | Shigella flexneri serotype 2B, |
| Escherichia coli | Shigella sonnei |
| Escherichia coli ESBL | Staphylococcus aureus |
| Escherichia coli (MDR) | Staphylococcus aureus (MDR) |
| Klebsiella pneumoniae | Staphylococcus aureus CA-MRSA |
| Klebsiella pneumoniae (MDR) | Staphylococcus aureus HA-MRSA |
| Legionella pneumophila | Streptococcus pyogenes |
| Listeria monocytogenes | |

VIRUCIDAL* PERFORMANCE

This product kills the following viruses in 10 minutes at 3 oz. per gal. of 400 ppm hard water and 5% soil on hard, non-porous surfaces:

- | | |
|--------------------------------|-----------------------------------|
| Avian influenza A (H5N1) Virus | HIV-1(AIDS) |
| Coronavirus (SARS Associated) | Influenza A (A/HongKong/8/68) |
| Herpes Simplex Virus Type 1 | Influenza A (H1N1) Virus |
| Herpes Simplex Virus Type 2 | Respiratory Syncytial Virus (RSV) |
| Hepatitis B Virus (HBV) | Rotavirus |
| Hepatitis C Virus (HCV) | Vaccinia Virus |
| Human Coronavirus | |

This product kills the following viruses in 10 minutes at 6 oz. per gal. of 400 ppm hard water and 5% soil on hard, non-porous surfaces:

**Norovirus (Feline Calicivirus)

MILDEWSTATIC PERFORMANCE

This product controls the following mold/mildew at 1.25 oz. per gal. of 400 ppm hard water and 5% soil on hard, non-porous surfaces for up to 7 days:Aspergillus niger

NON-FOOD CONTACT SANITIZING PERFORMANCE

This product is an effective one-step sanitizer in 1 minute at 3 oz. per gal. of 400 ppm water and 5% soil on hard, non-porous surfaces: Klebsiella pneumoniae, Staphylococcus aureus

FUNGICIDAL PERFORMANCE

This product kills the following fungi in 10 minutes at 4 oz. per gal. of 200 ppm hard water and 5% soil on hard, non-porous surfaces: Candida albicans, Trichophyton interdigitale (Athlete's foot fungus)