



When used as directed, this product is highly effective against a wide variety of pathogenic microorganisms including bacteria, antibiotic-resistant bacteria, *viruses, fungi, mold and mildew. At a 1:128 – 1:32 dilution (1 oz.– 4 oz. of product per gallon of water), in the presence of 200 ppm hard water, 5% serum load and minute contact time, unless otherwise noted, this product kills the following on all surfaces:

*VIRUCIDAL: 3 MINUTES @ 1:128

Adenovirus type 8
Avian Influenza A (H3N2)
Avian Reovirus
Canine Adenovirus
Canine Coronavirus
Canine Distemper Virus
Canine Parainfluenza virus
Canine Parvovirus – 3mins @ 1:128
Equine Herpes virus type 1
Equine Influenza A (H3N8) virus
Feline Calicivirus
Feline Infectious Peritonitis Virus
Feline Picornavirus
Feline Rhinotracheitis virus
Herpes Simplex Virus Type 2
Human Coronavirus
Influenza Type A2
Norovirus (Feline Calicivirus as the surrogate)
Parainfluenza Type 3
Poliovirus Type 1
Pseudorabies virus
Respiratory Syncytial Virus
Rhinovirus Type 37, Strain 151-1
Rotavirus
Vaccinia Virus (smallpox vaccine virus)

***Canine Parvovirus:** Kills *Canine Parvovirus when used as directed on all surfaces at a 1:128 dilution (1 oz. per gallon of water), and in the presence of a 5% serum load and 3-minute contact time.

Kills *Hepatitis B Virus (HBV) & *Hepatitis C Virus (HCV) when used as directed on all surfaces with a 3-minute contact time.
Kills *HIV-1 (AIDS virus) (HTLV-III_B) when used as directed on all surfaces with a 1 minute contact time.

*This product has demonstrated effectiveness against Influenza A virus and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 Influenza A virus.

BACTERICIDAL: 3 MIN. @ 1:128 OR 5 MIN. @ 1:256

Acinetobacter baumannii
Campylobacter
Chlamydia psittaci
Escherichia coli O157:H7
Klebsiella pneumoniae
Listeria monocytogenes
Pseudomonas aeruginosa
Salmonella enterica (formerly known as *Salmonella choleraesuis*)
Shigella dysenteriae
Staphylococcus aureus
Streptococcus pyogenes

ANTIBIOTIC-RESISTANT BACTERIA: 3 MIN. @ 1:128

Enterococcus faecium (Vancomycin Resistant (VRE))
Escherichia coli (Extended Spectrum Beta-lactamase resistance (ESBL))
Klebsiella pneumoniae, (Carbapenem Resistant (KPC))
Staphylococcus aureus (Methicillin Resistant (MRSA))
Staphylococcus aureus (Methicillin Resistant (CA-MRSA)) (Genotype USA300)
Staphylococcus aureus (Methicillin Resistant (CA-MRSA)) (Genotype USA400)
Staphylococcus epidermidis (Methicillin Resistant (MRSE))
Streptococcus pneumoniae (Penicillin Resistant (PRSP))

FUNGICIDAL: 3 MINUTES @ 1:128

Microsporum canis
Trichophyton interdigitale (formerly known as
Trichophyton mentagrophytes)

MALODORS

Malodors – reduces odors and odor-causing bacteria on all surfaces in restroom areas, behind and under sinks and counters, and storage areas and other places where bacterial growth can cause malodors, when used as directed at a 1:128 dilution (1 oz. of product per gallon of water), in the presence of 200 ppm hard water and a 10 seconds contact time.

MOLD/MILDEW

Mildewcidal Activity: Kills the growth of mold and mildew when diluted at 1:128 in 200 ppm hard water at a 3 minute contact time: *Aspergillus niger* and the odors caused by them when applied to all environmental surfaces.

Mildewstatic Activity: Controls and prevents the growth of mold and mildew when diluted at 1:128 in 200 ppm hard water at a 3-minute contact time: *Aspergillus niger* and the odors caused by them when applied to hard, non-porous environmental surfaces.

FOOD SAFE SANITIZER: 30 SECONDS @ 1:128

Enterobacter aerogenes

Enterococcus faecalis (Vancomycin Resistant (VRE))

Escherichia coli (Extended Spectrum Beta-lactamase resistance (ESBL))

Listeria monocytogenes

Pseudomonas aeruginosa

Salmonella enterica (formerly known as *Salmonella choleraesuis*)

Staphylococcus aureus

FOOD SAFE SANITIZER: 3 MINUTES @ 1:128

Escherichia coli

Enterococcus faecalis

Klebsiella pneumoniae

Listeria monocytogenes

Pseudomonas aeruginosa

Salmonella enterica (formerly known as *Salmonella choleraesuis*)

Staphylococcus aureus

BACTERICIDAL STABILITY OF USE-SOLUTION

Tests show this product as a disinfectant, when diluted at 1:128 dilution (1 oz. of product per gallon of water) in 200 ppm hard water, in the presence of 5% serum, remains effective against *Staphylococcus aureus*, *Salmonella enterica* (formerly known as *Salmonella choleraesuis*) and *Pseudomonas aeruginosa* for up to 2 days in storage as long as the bottle remains sealed.

If the use-solution becomes visibly dirty or contaminated, it must be discarded and a fresh product prepared. Always use clean, dry containers when diluting this product. Treated surfaces must remain wet for 3 minutes.

DIRECTIONS FOR USE

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

*This product kills HBV, HCV and HIV-1 on pre-cleaned environmental surfaces/objects previously soiled with blood/body fluids in health care settings and other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Hepatitis B Virus (HBV), Hepatitis C Virus (HCV) and Human Immunodeficiency Virus Type 1 (HIV-1) (associated with AIDS).

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

Personal Protection: Disposable latex or vinyl gloves, gowns, face masks, and eye coverings, must be worn during all cleaning of body fluids, blood, and decontamination procedures.

Cleaning Procedures: Blood and body fluids must be thoroughly cleaned from surfaces and objects before application of this product.

Contact Time: Allow surface to remain wet for 1 minute to kill HIV-1, and for 3 minutes to kill HBV and HCV.

Disposal of Infectious Material: Cleaning materials used that may contain blood and other body fluids must be autoclaved and disposed of according to Federal, State, and local regulations for infectious waste disposal.

For use as a *Virucide: Dilute at 1 – 4 oz. of product per gallon of water (1:128 – 1:32). **1.** Pre-clean heavily soiled areas. **2.** Apply Solution until thoroughly wet. **3.** Let stand for 3 minutes. **4.** Wipe surfaces and let air dry.

To Kill *Canine Parvovirus: Dilute at 1.0 oz. of product per gallon of water. **1.** Pre-clean heavily soiled areas. **2.** Apply Solution until thoroughly wet. **3.** Let stand for 3 minutes. **4.** Wipe surfaces and let air dry.

To Kill Mold and Mildew: Dilute at 1.0 oz. of product per gallon of water (1:128). Pre-clean surfaces. Apply Solution to surfaces. Allow surfaces to remain wet for 5 minutes. Wipe surfaces and let air dry.

To Control Mold and Mildew: Dilute at 1.0 oz. of product per gallon of water (1:128). Apply Use Solution to pre-cleaned surfaces. Wipe surfaces and let air dry. Repeat application weekly or when growth reappears.

To Kill Fungi: Dilute at 1.0 oz. of product per gallon of water (1:128). Pre-clean heavily soiled areas. Apply Solution to surfaces. Allow surface to remain wet for 3 minutes. Wipe surfaces and let air dry.

To Sanitize Food Contact Surfaces: Dilute at 1.0 oz. of product per gallon of water (Dilute 1:128). **1.** Pre-clean heavily soiled surfaces. **2.** Apply Solution until thoroughly wet. **3.** Let stand for 30 seconds. **4.** Wipe surfaces and let air dry. **5.** Safe for use on food contact surfaces and food preparation areas.

Animal Housing Facilities in Veterinary Clinics: Dilute at 1.0 – 4.0 oz. of product per gallon of water (1:128 – 1:32).

For cleaning and disinfecting the following surfaces: feeding and watering equipment, utensils, instruments, cages, crates, kennels, catteries, etc.

1. Remove all animals and feeds from premises, animal transportation vehicles, crates, etc.
2. Remove all litter, droppings and feces from floors, walls and surfaces of facilities occupied or traversed by animals.
3. Thoroughly clean all surfaces with soap or detergent and rinse with potable water.
4. Saturate all surfaces (floor, walls cages and other washable surfaces) by spraying with use solution until thoroughly wet. To disinfect, all surfaces must remain wet for 3 minutes when using a 1:128 (1.0 oz per gallon of water) dilution for bactericidal, fungicidal and *virucidal efficacy. If using a 1:64 (0.5 oz per gallon of water) dilution, allow 5 minutes for *viruses and bacteria.
5. Immerse all halters, ropes and other types of equipment used in handling and restraining animals, as well as forks shovels and scrapers used for removing litter and feces.
6. Ventilate buildings and other closed spaces.
7. For disinfection of feed racks, troughs, automatic feeders, fountains and water appliances spray with use solution until completely wet and let stand for 3 minutes.