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 1:64 – 1:16 dilution (2 oz. – 8 oz. of product per gallon of water), in the presence of 200 ppm hard water, 5% serum load and 5 minute contact time, unless otherwise noted, this product kills the following on hard, non-porous inanimate surfaces:

**VIRUCIDAL: 5 MINUTES @ 1:64**

- Adenovirus type 8
- Avian Influenza A (H3N2)
- Avian Reovirus
- Canine Adenovirus
- Canine Coronavirus
- Canine Distemper virus
- Canine Parainfluenza virus
- Canine Parvovirus – 5 mins @ 1:16 or 10 mins @ 1:32
- 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 hard, non-porous inanimate surfaces at a 1:16 dilution (8 oz. per gallon of water), and in the presence of a 5% serum load and 5 minute contact time.

*Canine Parvovirus: Kills *Canine Parvovirus when used as directed on hard, non-porous inanimate surfaces at a 1:32 dilution (4 oz. per gallon of water), and in the presence of a 5% serum load and 10 minute contact time.

**BACTERICIDAL: 5 MIN. @ 1:16 OR 10 MIN. @ 1:64**

- Acinetobacter baumannii
- 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: 5 MIN. @ 1:16**

- 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 epidermis (Methicillin Resistant (MRSE))
- Streptococcus pneumoniae (Penicillin Resistant (PRSP))

**FUNGICIDAL: 5 MINUTES @ 1:16**

- Microsporum canis
- Trichophyton interdigitale (formerly known as Trichophyton mentagrophytes)

**MALODORS**

Malodors – reduces odors and odor-causing bacteria on hard non-porous 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 1:16 dilution (8 oz. of product per gallon of water), in the presence of 200 ppm hard water and a 30 seconds contact time.

**MOLD/MILDEW**

Mildewcidal Activity: Kills the growth of mold and mildew when diluted at 1:16 in 200 ppm hard water at a 10 minute contact time: Aspergillus niger and the odors caused by them when applied to hard, non-porous environmental surfaces.

Mildewstatic Activity: Controls and prevents the growth of mold and mildew when diluted at 1:16 in 200 ppm hard water at a 10 minute contact time: Aspergillus niger and the odors caused by them when applied to hard, non-porous environmental surfaces.

*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.
Tests show this product as a disinfectant, when diluted at 1:16 dilution of water (1:16 – 1:64). Pre-clean heavily soiled areas. Apply Use Solution to hard, non-porous environmental surfaces. Allow surfaces to remain wet for 10 minutes. Wipe surfaces and let air dry.

To Control Mold and Mildew: Dilute at 8.0 oz. of product per gallon of water (1:16). Apply Use Solution to pre-cleaned, hard, non-porous environmental surfaces. Wipe surfaces and let air dry. Repeat application weekly or when growth reappears.

To Sanitize Non-Food Contact Surfaces: Dilute at 8.0 oz. of product per gallon of water (1:16). 1. Pre-clean heavily soiled hard non-porous surfaces. 2. Apply Use Solution until thoroughly wet. 3. Let stand for 30 seconds. 4. Wipe surfaces and let air dry. 5. Not for use on food contact surfaces or on food preparation areas.

To Sanitize Non-Food Contact Surfaces: Dilute at 1.0 oz. of product per gallon of water (Dilute 1:128). 1. Pre-clean heavily soiled hard non-porous surfaces. 2. Apply Use Solution until thoroughly wet. 3. Let stand for 3 minutes. 4. Wipe surfaces and let air dry. 5. Not for use on food contact surfaces or on food preparation areas.

**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 5 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 2 – 8 oz. of product per gallon of water (1:16 – 1:64). 1. Pre-clean heavily soiled areas. 2. Apply Use Solution until thoroughly wet. 3. Let stand for 5 minutes. 4. Wipe surfaces and let air dry.

To Kill *Canine Parvovirus*: Dilute at 4.0 oz. of product per gallon of water (1:32). 1. Pre-clean heavily soiled areas. 2. Apply Use Solution until thoroughly wet. 3. Let stand for 10 minutes. 4. Wipe surfaces and let air dry.

Si no puede leer en ingles, pregunte a su supervisor sobre las instrucciones de uso apropiadas antes de trabajar con este producto.