When used as directed, this product is 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 virus (H3N2)
- Avian Reovirus
- Canine Adenovirus
- Canine Coronavirus
- Canine Distemper virus
- Canine Influenza A virus
- Canine Parainfluenza virus
- Canine Parvovirus – 5mins @ 1:16 or 10mins @ 1:32
- Equine Herpes virus type 1
- Equine Influenza A (H3N8) virus
- Feline Calicivirus
- Feline Infectious Peritonitis virus
- Feline Leukemia virus (FeLV)
- Feline Picornavirus
- Feline Rhinotracheitis virus
- Herpes Simplex Virus Type 2
- Human Coronavirus
- Influenza Type A2 virus
- 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.

Kills *Hepatitis B Virus (HBV)* & *Hepatitis C Virus (HCV)* when used as directed on hard, non-porous inanimate surfaces with a 5 minute contact time.

Kills *HIV-1 (AIDS virus) (HTLV-III)* when used as directed on hard, non-porous inanimate surfaces with a 1 minute contact time.

*Kills Influenza A Virus (H1N1) (ATCC VR-1469, Strain A/PR/8/34) when used as directed on hard, non-porous inanimate surfaces with a 1 minute contact time (at a 1:64 dilution) (2 oz of product per gallon of water).

**BACTERICIDAL: 5 MINUTES @ 1:16 OR 10 MINUTES @ 1:64**

- Acinetobacter baumannii
- Bordetella bronchiseptica – 10 min @ 1:64
- 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, (Carabapenem 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.
Tests show this product as a disinfectant, when diluted at 1:64 dilution

1. Pre-clean visibly soiled areas.
2. Apply Use Solution on hard, non-porous surfaces until thoroughly wet.
3. Allow surfaces to remain visibly wet for 10 minutes.
4. Wipe surfaces and let air dry.

To Kill Mold and Mildew: Dilute at 8.0 oz. of product per gallon of water (1:16).
Pre-clean surfaces. Apply Use Solution to hard, non-porous environmental surfaces. Allow surfaces to remain visibly wet for 10 minutes. Wipe surfaces and let air dry.

To Control Mold and Mildew: Apply Use Solution to pre-cleaned hard, non-porous environmental surfaces. Allow surfaces to remain visibly wet for 10 minutes. Wipe surfaces and let air dry.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. A potable water rinse is required for food contact surfaces.

"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 HBV-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 (1:64 – 1:16).

1. Pre-clean visibly soiled areas.
2. Apply Use Solution on hard, non-porous surfaces until visibly wet.
3. Let stand for 5 minutes*.
4. Wipe surfaces and let air dry.

† Excluding Canine Parvovirus