

PREempt[®]

CONCENTRATE

One-Step[†] Disinfectant Cleaner

Reference Sheet

Manufactured by:
Virox Technologies Inc.
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This product is a one-step[†] germicidal disinfectant cleaner and deodorant designed for general cleaning and disinfecting of hard, non-porous environmental surfaces. It cleans quickly by removing dirt, grime, dead skin, blood, and other common soils found in laboratories, and medical facilities.

This product cleans, disinfects, and deodorizes hard, non-porous environmental surfaces in one-step[†]. Its non-abrasive formula is designed for use on hard, non-porous environmental surfaces: stainless steel, vinyl, glass, plastic surfaces, chrome, aluminum, painted surfaces, glazed ceramic, glazed porcelain, laminated surfaces and baked enamel surfaces associated with laboratories and medical facilities.

Long Shelf Life: 90 days diluted at 1:16-1:64

When used as directed, this product is effective against a wide variety of pathogenic microorganisms. At 1:64-1:16 dilution (2-8 fl. 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:

BACTERICIDAL 5 mins. @ 1:16:

Acinetobacter baumannii
Chlamydia psittaci
Escherichia coli (Extended Spectrum Beta-lactamase Resistance) (ESBL)
Escherichia coli O157:H7
Enterococcus faecium (Vancomycin Resistant (VRE))
Klebsiella pneumoniae
Klebsiella pneumoniae (Carbapenem Resistant (KPC))
Listeria monocytogenes
Pseudomonas aeruginosa
Salmonella enterica (formerly known as *Salmonella choleraesuis*)
Shigella dysenteriae
Staphylococcus aureus
Staphylococcus aureus (Methicillin Resistant) (MRSA)
Staphylococcus aureus (Community Acquired Methicillin Resistant) (CA-MRSA)
Staphylococcus epidermis (Methicillin Resistant) (MRSE)
Streptococcus pneumoniae (Penicillin Resistant) (PRSP)
Streptococcus pyogenes

*VIRUCIDAL in 5 minutes at a 1:64-1:16 dilution unless otherwise noted:

Adenovirus Type 8 (Strain Trim)
Hepatitis B Virus (HBV)
Hepatitis C Virus (HCV)
Herpes Simplex Virus Type 2[‡]
HIV-1 (AIDS Virus) (Strain HTLV-III_B)[‡] - 1 minute
Human Coronavirus
Influenza A Virus (H1N1)
Influenza Type A₂ Virus[‡]
Norovirus
Parainfluenza Type 3 Virus
Poliovirus Type 1
Respiratory Syncytial Virus

Rhinovirus Type 37 (Strain 151-1)
Rotavirus (Strain WA)
SARS-Related Coronavirus 2 (SARS-CoV-2[‡]) (the virus that may cause COVID-19)
Vaccinia Virus (Smallpox Vaccine Virus)

FUNGICIDAL 5 mins. @ 1:16:

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

Malodors

Reduces odors and odor-causing bacteria on hard nonporous 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 fl. oz. of product per gallon of water) and a 30 second contact time.

(Mold/Mildew) Mildewcidal Activity

Kills the growth of mold and mildew when diluted at 1:16 at a 10 minute contact time: *Aspergillus niger* when applied to hard, non-porous environmental surfaces.

(Mold/Mildew) Mildewstatic Activity

Controls and prevents the growth of mold and mildew when diluted at 1:16 at a 10 minute contact time: *Aspergillus niger* when applied to hard, non-porous environmental surfaces.

NON-FOOD CONTACT SANITIZER 30 Seconds @ 1:16 against:

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

Bactericidal Stability of Use-Solution

This product when diluted at 1:16-1:64 dilution (8-2 fl. 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 90 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 5 minutes.

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.

¹¹This product is not to be used as a terminal sterilant/high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the blood stream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection.

USE DILUTION MADE EASY

Ratio	Per Gallon of Water	Per Liter of Water
1:16	8 fl. oz.	64 mL
1:64	2 fl. oz.	16 mL
1:128	1 fl. oz.	8 mL

FOR USE AS A ONE-STEP CLEANER/DISINFECTANT: Dilute at 8.0 fl. oz. of product per gallon of water (1:16).

1. Pre-clean visibly soiled areas.
2. Apply use solution on to hard, non-porous surfaces.
3. Allow surfaces to remain visibly wet for 5 minutes.
4. Allow to air dry.

FOR USE AS A NON-FOOD CONTACT SANITIZER: Dilute at 8.0 fl. oz. of product per gallon of water (Dilute 1:16).

1. Pre-clean visibly soiled hard non-porous surfaces.
2. Apply use solution to hard, non-porous surfaces.
3. Allow surface to remain visibly wet for 30 seconds.
4. Allow to air dry.
5. Not for use on food contact surfaces or on food preparation areas.

TO KILL FUNGI: Dilute at 8.0 fl. oz. of product per gallon of water (1:16).

1. Pre-clean visibly soiled areas.
2. Apply use solution to hard, non-porous surfaces.
3. Allow surface to remain visibly wet for 5 minutes.
4. Allow to air dry.

TO KILL MOLD AND MILDEW: Dilute at 8.0 fl. oz. of product per gallon of water (1:16).

1. Pre-clean surfaces.
2. Apply use solution to hard, non-porous environmental surfaces.
3. Allow surfaces to remain visibly wet for 10 minutes.
4. Wipe surfaces and let air dry.

TO CONTROL MOLD AND MILDEW: Dilute at 8.0 fl. oz. of product per gallon of water (1:16).

1. Apply use solution to pre-cleaned hard, non-porous environmental surfaces.
2. Allow surfaces to remain visibly wet for 10 minutes.
3. Wipe surfaces and let air dry.
4. Repeat application weekly or when growth reappears.

FOR USE AS A *VIRUCIDE: Dilute at 2 fl. oz. of product per gallon of water (1:64).

1. Pre-clean visibly soiled areas.
2. Apply use solution on hard, non-porous surfaces until visibly wet.
3. All surfaces must remain visibly wet for 5 minutes.
4. Allow to air dry.

***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 visibly wet for 1 minute to kill HIV-1, and for 5 minutes to kill HBV, HCV.

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

FOR USE TO CLEAN AND DISINFECT LIFE SCIENCE LABORATORY SURFACES, EQUIPMENT AND GLASSWARE: Dilute at 8.0 fl. oz. of product per gallon of water (1:16).

1. Pre-clean visibly soiled areas.
2. Apply use solution on to hard, non-porous surfaces.
3. Allow the surface to remain visibly wet for 5 minutes.
4. Wipe surfaces dry or allow to air dry.

TO DISINFECT NON-CRITICAL⁽¹⁾, PRE-CLEANED INSTRUMENTS:

Dilute at 8.0 oz. of product per gallon of water (1:16).

1. Instruments must be thoroughly pre-cleaned to remove excess organic debris, rinsed, and dried.
2. Clean and rinse lumens of hollow instruments before spraying with this product.
3. Spray all hard, non-porous surfaces of instruments with this product until visibly wet.
4. Allow surface to remain visibly wet for 5 minutes.
5. Wipe with a clean, damp cloth or paper towel and allow to air dry.

FOR USE AS A DEODORIZER: Dilute at 8.0 fl. oz. of product per gallon of water (1:16).

1. Apply to hard, non-porous surfaces.
2. Allow surface to remain visibly wet for 30 seconds.
3. Allow to air dry.

DISCLAIMER: You must read and follow the instructions on the label for our product and use the product for the particular applications specified on the product label. To the full extent permitted under applicable law, Virox Technologies Inc. shall not be liable for any damages whatsoever, arising out of or otherwise in connection with any failure to follow those instructions or any use of its products which is not specified on the product's label. The instructions on the product label are not a warranty, express or implied, and Virox Technologies, Inc. expressly disclaims any implied warranties, including any warranty of fitness for a particular purpose. Under applicable law, some of the above waivers or disclaimers of warranty, or exclusions of liability for certain types of damages may not apply to you. In such cases, our liability will be limited to the fullest extent permitted by applicable law.

⁽¹⁾ Non-critical medical devices are items that come in contact only with intact skin.

[†] When used according to disinfection use directions.

[±] on hard, non-porous surfaces.

^ψ Use a 1:128 dilution.

¹¹ Not recommended for use on brass.

[∞] "Accelerated" does not imply increased product efficacy.