

PEROXigard™

Concentrate

One-Step Disinfectant Cleaner & Deodorizer

FOR USE IN LIFE SCIENCES

This product cleans by removing urine, fecal matter, blood, dirt, grime, mold, mildew, and other common soils found in animal housing facilities, vivariums, quarantine facilities, breeding facilities, animal research facilities, laboratories, fish facilities and other small animal facilities.

This product cleans, disinfects and deodorizes in one step. Its non-abrasive formula is designed for use on hard, non-porous surfaces: plated or stainless steel, aluminum, chrome, glazed porcelain, glazed tile, sealed concrete, laminated surfaces associated with floors, walls, cages, animal equipment found in animal housing facilities.

Claims

BACTERICIDAL:

This product is bactericidal at a 1:16 - 1:64 dilution (2 - 8 oz. of product per gallon of water) on hard, non-porous inanimate surfaces at a 5 minute contact time, unless otherwise noted:

Acinetobacter baumannii
Campylobacter jejuni⁺⁺⁺ – 10 minutes
Chlamydia psittaci
Enterococcus faecium (Vancomycin Resistant (VRE))
Escherichia coli O157:H7
Escherichia coli (Extended Spectrum Beta-lactamase (ESBL))
Klebsiella pneumoniae
Klebsiella pneumoniae (Carbapenem Resistant (KPC))
Listeria monocytogenes
Mycoplasma orale⁺⁺⁺ – 10 minutes
Pseudomonas aeruginosa
Salmonella enterica
Salmonella pullorum⁺⁺⁺ – 10 minutes
Shigella dysenteriae
Staphylococcus aureus
Staphylococcus aureus (Methicillin Resistant (MRSA))
Staphylococcus aureus, Methicillin Resistant (CA-MRSA) (Clinical Isolate 08001)
Staphylococcus aureus, Methicillin Resistant (CA-MRSA) (Clinical Isolate 08005)
Staphylococcus epidermidis (Methicillin Resistant (MRSE))
Streptococcus pneumoniae (Penicillin Resistant (PRSP))
Streptococcus pyogenes

*VIRUCIDAL:

At 1:64 - 1:128 dilution (1 - 2 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:

Adenovirus Type 8
 Hepatitis B Virus (HBV)
 Hepatitis C Virus (HCV)
 Herpes Simplex Virus Type 2^W
 HIV Type 1 Strain HTLV III_B^W – 1 minute
 Human Coronavirus
 Influenza A Virus (H1N1) – 1 minute
 Influenza Type A₂^W
 Norovirus (Feline Calicivirus as the surrogate)
 Parainfluenza Type 3
 Poliovirus Type 1
 Respiratory Syncytial Virus (RSV)
 Rhinovirus Type 37
 Rotavirus
 Vaccinia Virus

^WUse a 1:128 dilution for these claims

ANIMAL PREMISES

*VIRUCIDAL:

At 1:16 - 1:64 dilution (2 - 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:

Avian Adenovirus type 2
 Avian Infectious Bronchitis virus
 Avian Influenza A (H3N2)
 Avian Reovirus
 Bovine Viral Diarrhea Virus

Reference Sheet

KEEP OUT OF REACH
OF CHILDREN
CAUTION

Manufactured by:

Virox® Technologies Inc.

2770 Coventry Road
Oakville, ON Canada L6H 6R1
1-800-387-7578 | virox.com



USER SHOULD READ S.D.S.
BEFORE USING THE PRODUCT
SDS available online at www.virox.com

Canine Adenovirus
 Canine Distemper Virus
 Canine Coronavirus
 Canine Parainfluenza virus
 Canine Parvovirus – 1:16 dilution, 5 minutes; 1:32 dilution, 10 minutes
 Duck Hepatitis B virus
 Equine Herpes virus type 1
 Equine Influenza A Virus (H3N8)
 Feline Calicivirus
 Feline Infectious Peritonitis Virus (FIPV)
 Feline Picornavirus
 Feline Rhinotracheitis virus
 Foot and Mouth Disease virus (FMDv) – 1:64 dilution, 10 minutes
 Infectious Laryngotracheitis virus
 Marek's Disease virus
 Minute Virus of Mice – 1:16 dilution, 5 minutes
 Newcastle Disease virus
 Porcine Epidemic Diarrhea virus
 Porcine Respiratory & Reproductive Syndrome virus
 Porcine Rotavirus
 Pseudorabies virus
 Seneca Valley virus
 Swine Influenza A (H1N1) virus
 Transmissible Gastroenteritis virus (TGE)
 Kills Pandemic 2009 H1N1 Influenza A virus (formerly called swine flu).

FUNGICIDAL:

This product is fungicidal when used as directed on hard, non-porous inanimate surfaces at a 1:16 dilution (8 oz. of product per gallon of water), and in the presence of a 5% serum load and 5 minute contact time.

Microsporum canis

Trichophyton interdigitale (formerly known as *Trichophyton mentagrophytes*)

SANITIZING:

When used as a non-food contact sanitizer at 1:128 (1 oz. of product per gallon of water), in the presence of 200 ppm hard water, 5% serum load, this product reduces the following bacteria by 99.9% with a 3 minute contact time, unless otherwise noted, on hard non-porous inanimate surfaces:

Enterobacter aerogenes
Enterococcus faecalis
Enterococcus faecalis, Vancomycin Resistant (VRE) – 1:16 dilution, 30 seconds
Escherichia coli
Escherichia coli, Extended Spectrum Beta-lactamase resistance (ESBL)
Klebsiella pneumoniae
Listeria monocytogenes
Pseudomonas aeruginosa
Salmonella enterica
Staphylococcus aureus

Bactericidal Stability of Use-Solution

– This product, when diluted at 1:16 dilution (8 oz. of product per gallon of water), in the presence of 5% serum, remains effective against *Staphylococcus aureus*, *Salmonella enterica* 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.

Malodor(s) Activity – Eliminates 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 oz. of product per gallon of water), in the presence of 200 ppm hard water in 3 minutes.

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* 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 in 200 ppm hard water at a 10 minute contact time: *Aspergillus niger* when applied to hard, non-porous environmental surfaces.

Directions For Use

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

For Use as a Daily One-Step Cleaner/Disinfectant: Dilute at 8.0 oz. of product per gallon of water (1:16).

1. Pre-clean heavily soiled areas.
2. Apply Use Solution by coarse trigger sprayer to hard, non-porous environmental surfaces. Spray 6 - 8 inches from surface; making sure to wet surfaces thoroughly.
3. All surfaces must remain wet for 5 minutes.
4. Wipe surfaces and let air dry.

For Use as a One-Step Bactericide and *Virucide Cleaner/Disinfectant: Dilute at 2.0 oz. of product per gallon of water (1:64).

1. Pre-clean heavily soiled areas.
2. Spray 6-8 inches from surface until surface is thoroughly wet.
3. Allow surface to remain wet for 10 minutes as a bactericide and[†] 5 minutes as a *virucide.
4. Wipe surfaces dry and let air dry.

[†] excluding Canine Parvovirus, FMDv and Minute Virus of Mice.

*****For Use as a One-Step Bactericide Cleaner/Disinfectant:** Dilute at 2.0 oz of product per gallon of water (Dilute at 1:64)

1. Pre-clean heavily soiled areas.
2. Spray Use Solution until thoroughly wet.
3. Let stand for 10 minutes.
4. Wipe surfaces and let air dry.

For use to clean and disinfect life science laboratory surfaces, instruments and glassware: Dilute at 8.0 oz. of product per gallon of water (1:16).

1. Pre-clean heavily soiled areas.
2. Apply Solution by spray, cloth, disposable wipe or mop to hard, non-porous environmental surfaces or completely immerse pre-cleaned glassware and compatible instruments in solution.
3. Immerse or allow the surface to remain wet for 5 minutes.
4. For glassware/instrument: Rinse surface thoroughly and let air dry before re-use. For surfaces: Wipe surface dry.
5. For glassware/instrument: Change immersion solution after each use.

For Treatment of Kennels and Cages: Dilute at 2.0 - 8.0 oz. of product per gallon of water (1:16 - 1:64)

1. Remove all animals and feeds from areas being treated.
2. Remove all litter, feces, and fecal matter from floors, walls and surfaces of kennels, cages, and other facilities occupied or traversed by animals.
3. Empty or cover all racks, bowls and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. Apply fresh Use Solution to floors, walls, cages and other hard, non-porous environmental surfaces. For smaller surfaces, use a trigger spray bottle to spray all surfaces with solution until wet. To disinfect, all surfaces must remain wet for 5 minutes when using a 1:16 (8.0 oz per gallon of water) dilution for bactericidal, fungicidal and *virucidal efficacy. If using a 1:64 (2.0 oz per gallon of water) dilution, allow 5 minutes for *viruses and 10 minutes for bacteria.
6. Immerse all leashes, collars and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter, feces and fecal matter.
7. Ventilate buildings and other closed spaces. Do not house animals or re-employ equipment until product has dried.
8. For disinfection of feed racks, bowls, automatic feeders, and watering appliances scrub with use-solution and let stand 5 minutes when using a 1:16 (8.0 oz per gallon of water) dilution for bactericidal, fungicidal and *virucidal efficacy. If using a 1:64 (2.0 oz per gallon of water) dilution, allow 5 minutes for *viruses and 10 minutes for bacteria. Then thoroughly scrub all treated surfaces with soap or detergent and rinse with potable water before reuse.

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

Pre-clean heavily soiled areas. Apply Use Solution to hard, non-porous environmental surfaces. Allow surface to remain wet for 5 minutes. Wipe surfaces and let air dry.

To Kill *Minute virus of mice: Dilute at 8.0 oz. of product per gallon of water (Dilute 1:16).

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.

To Kill *Foot and Mouth Disease Virus (FMDv): Dilute at 2.0 oz of product per gallon of water (Dilute at 1:64).

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.

For use as a Boot / Shoe Wash: Dilute at 8.0 oz. of product per gallon of water (1:16)

To prevent cross contamination into animal areas, shoe baths containing one inch of freshly made disinfecting solution must be placed at all entrances to building. Scrape waterproof shoes or boots and thoroughly scrub with this product and rinse with water. Place in Peroxigard™. Allow product to remain in contact with shoes or boots for 5 minutes and allow to air dry. All treated surfaces that will contact feed or drinking water must be thoroughly scrubbed with soap or detergent and then rinsed with potable water before reuse.

For Cleaning and Disinfection of Vehicles: Dilute at 2.0 - 8.0 oz. of product per gallon of water (1:16 - 1:64)

To disinfect the non-porous, hard surfaces of vehicles: Remove all litter and fecal matter for surfaces and thoroughly clean surfaces with this product and rinse with water. Apply use solution of this product using a high pressure or coarse spray system. Allow product to remain in contact with surfaces for 5 minutes when using a 1:16 (8.0 oz per gallon of water) dilution for bactericidal, fungicidal and *virucidal efficacy. If using a 1:64 (2.0 oz per gallon of water) dilution, allow 5 minutes[†] for *viruses and 10 minutes for bacteria. Allow to air dry. All treated surfaces that will contact feed or drinking water must be thoroughly scrubbed with soap or detergent and then rinsed with potable water before reuse.

For use as a disinfectant on pre-cleaned non-critical medical devices⁽¹⁾, instruments and implements: Dilute at 8.0 oz. of product per gallon of water (1:16).

1. Instrument must be thoroughly cleaned to remove excess organic debris, rinsed and dried.
2. Thoroughly clean and rinse lumens of hollow instruments.
3. Using either tray or an ultrasonic unit, immerse instrument in diluted use solution for 5 minutes at room temperature.
4. Remove and rinse instruments.
5. Wipe dry prior to use.
6. Discard solution after each use.

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

Note: Cleaning of critical and semi-critical devices must be followed by an appropriate terminal sterilization/high-level disinfection process.

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.

For Use as a Cleaner/Degreaser:

Dilute product at 0.5 - 1.0 oz. of product per gallon of water (1:128 - 1:256). Apply to surfaces. Wipe surfaces and let air dry.

For Use as a Deodorizer:

Dilute at 1 oz. of product per gallon of water (1:128). Apply to hard, non-porous surfaces. Let stand for 3 minutes. Wipe surfaces and let air dry.

***THIS PRODUCT KILLS HIV-1, HCV AND HBV 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 / body fluids, and in which the surfaces / objects likely to be soiled with blood / body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1 (HIV-1), Hepatitis C Virus (HCV) or Hepatitis B Virus (HBV).

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HCV OR HBV 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, HCV, fungi and all other organisms cited on the label.

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.

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