PREempt® RTU

Ready to Use Multi-Surface One-Step Disinfectant Cleaner formulated with AHP® Patented

WHY CHOOSE PREempt™ DISINFECTANT CLEANER?

- **CLEANER** Effective disinfectant as well as a cleaner resulting in added confidence that disinfection can occur.
- **FASTER** Rapid and realistic contact times on a broad spectrum of difficult to kill pathogens.
- **RESPONSIBLE** Designed to be easier on surfaces, staff and occupants. Users are not exposed to VOCs (volatile organic compounds) and PPE** is not required as per health and safety rating.
- **SUSTAINABLE** The active ingredient, Hydrogen Peroxide, breaks down into water and oxygen leaving no active residues which helps to reduce environmental impact.

DIRECTIONS FOR USE

For Use as a One-Step Cleaner/ Disinfectant:

1. Pre-clean heavily soiled areas.
2. Apply Solution by spray, cloth, disposable wipe or mop to hard, non-porous environmental surfaces.
3. *All surfaces must remain visibly wet for 1 minute.* Use a 5 minute contact time for TB†. Use a 10 minute contact time for fungi.
4. Wipe surfaces dry.

For Use as a Non-Food Contact Sanitizer:

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 the solution.
3. Immerse or allow the surface to remain wet for 1 minute. Use a 5 minute contact time for TB† and a 10 minute contact time for fungi.
4. For glassware/instruments: Rinse surface thoroughly and let air dry before reuse. For surfaces: Wipe surface dry.
5. Change immersion solution after each use.

***PPE - Personal Protective Equipment*
TB† stands for BCG (Mycobacterium bovis)

For use in laboratories, clean rooms and other critical environments that require cleaning and surface disinfection. This includes work stations, fume hoods, laboratory counter tops, equipment and other hard non-porous environmental surfaces.

AVAILABLE PRODUCTS

PREempt™ Ready to Use One-Step Surface Cleaner and Disinfectant

EPA REG. NO: 74559-1
SHELF LIFE: 3 Years
CONCENTRATION OF ACTIVE:
0.5% Hydrogen Peroxide

Part Number: 21101
Size: 1 quart (32 oz.) bottle
Packaging: 12 bottles/case

Part Number: 21105
Size: 1 gallon bottle
Packaging: 4 bottles/case

Part Number: 21109
Size: 5 gallon pail
Packaging: 1 each/case

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PREempt™ RTU One-Step Disinfectant Cleaner

EFFECTIVE AGAINST A BROAD-SPECTRUM OF BACTERIA AND *VIRUSES IN 1 MINUTE!

***Virucidal: 1 Min.**

- *Poliovirus Type 1
- *HIV-1 (AIDS virus)
- *Feline Calicivirus
- *Norovirus (Feline Calicivirus as the surrogate)
- *Human Coronavirus
- 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: 1 Min.

- *Pseudomonas aeruginosa*
- *Staphylococcus aureus*
- *Salmonella enterica* (formerly known as *Salmonella choleraesuis*)

Antibiotic-Resistant Bactericidal Activity:

- Methicillin-resistant *Staphylococcus Aureus* (MRSA)
- Vancomycin-resistant *Enterococcus faecalis* (VRE)
- *Escherichia coli* with Extended Spectrum Beta-lactamase resistance (ESBL)

Fungicidal: 10 Min.

- *Trichophyton mentagrophytes*

Tuberculocidal: 5 Min.

- †*Mycobacterium bovis (BCG)*

Broad-Spectrum Non-Food Contact Sanitizing: 30 Sec.

- *Klebsiella pneumoniae*
- *Salmonella enterica* (formerly known as *Salmonella choleraesuis*)
- *Pseudomonas aeruginosa*
- *Staphylococcus aureus*
- *Escherichia coli O157:H7*

Soft Surface† Sanitation: 1 Min.

- *Enterobacter aerogenes*
- *Staphlyococcus aureus*

†*composed of cotton or polyester*

PREempt™ Ready to Use Multi-Surface One-Step Disinfectant Cleaner is designed for use as a daily cleaner and disinfectant which has easy to use formats with no mixing or measuring required.

**Please refer to reference sheet for a complete list of pathogenic organisms, additional features, and claims.*

Manufactured by

VIROX TECHNOLOGIES INC.

Engineering Revolutionary Disinfectants for the War Against Microbes

DIS029 011315

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Ready to Use Multi-Surface One-Step Disinfectant Cleaner

Reference Sheet

Manufactured by:
Virox Technologies Inc.
2770 Coventry Road
Oakville, ON CANADA L6H 6R1
1-800-387-7578 | virox.com

AHP®
USA Patent #: 7,632,523

Bactericidal: 1 Minute

In the presence of 5% serum load and 1 minute contact time on hard, non-porous environmental surfaces against

Acinetobacter baumannii (ATCC 19606)

Enterococcus faecalis VRE (ATCC 51575)

Escherichia coli O157:H7 (ATCC 35150)

Escherichia coli with extended beta-lactamase resistance (ESBL) (ATCC BAA-196)

Klebsiella pneumoniae (ATCC 4352)

Pseudomonas aeruginosa (ATCC 15442)

Salmonella enterica
(formerly known as *Salmonella choleraesuis*) (ATCC 10708)

Shigella dysenteriae (ATCC 11835)

Staphylococcus aureus (ATCC 6538)

Staphylococcus aureus (CA-MRSA) (NARSA NRS 384) (Genotype US300)

Staphylococcus aureus MRSA (ATCC 33592)

Community Associated Methicillin Resistant *Staphylococcus aureus* (CA-MRSA) (NARSA NRS 123) (Genotype US400) Community Associated Methicillin Resistant

Bactericidal activity was determined by the AOAC Use Dilution Test Method.

*Virucidal: 1 Minute

In the presence of 5% serum load and 1 minute contact time on hard, non-porous environmental surfaces

*Adenovirus type 8 (ATCC VR-1368)

*Avian Influenza A (ATCC VR-2072)

*Feline Calicivirus, Strain F9 (ATCC VR-782)

*Hepatitis B Virus (HBV)

*Hepatitis C Virus (HCV)

*Herpes Simplex Virus, Type 1 (HSV-1) (ATCC VR-733)

*Herpes Simplex Virus, Type 2 (HSV-2) (ATCC VR-734)

*HIV-1 (AIDS Virus), Strain HTLV-III_B (HIV-1), (Acquired from Adv. Biotechnologies, Inc.)

*Human Coronavirus (ATCC VR-740)

*Influenza A/Hong Kong (ATCC VR-544)

*Norovirus (Feline Calicivirus, as the surrogate)

*Poliovirus Type 1, Strain Brunhilde (ATCC VR-1000)

*Rhinovirus Type 37, Strain 151-1 (ATCC VR-1147)

*Rotavirus WA (Acquired from University of Ottawa)

*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.

*Virucidal activity was determined by the efficacy test methods for virucidal agents intended for inanimate environmental surfaces; ASTM 1053-97 Standard Test Method for Efficacy of Virucidal Agents Intended for Inanimate Environmental Surfaces and EPA protocols for surrogate viral testing.

Tuberculocidal: 5 Minutes

In the presence of 5% serum load and 5 minute contact time on hard, non-porous environmental surfaces

†*Mycobacterium bovis* (BCG) (OT 451C150)

Tuberculocidal activity was determined by the EPA Quantitative Tuberculocidal Activity Test Method.

Fungicidal: 10 Minutes

In the presence of 5% serum load and 10 minute contact time on hard, non-porous environmental surfaces

Trichophyton mentagrophytes (ATCC 9533)

Fungicidal activity was determined by the AOAC Fungicidal Activity of Disinfectants Method

Broad-Spectrum Non-Food Contact Sanitizing: 30 sec

In the presence of 5% serum load and 30 second contact time on hard, non-porous environmental surfaces

Enterococcus faecalis VRE (ATCC 51575)

Escherichia coli O157:H7 (ATCC 35150)

Klebsiella pneumoniae (ATCC 4352)

Pseudomonas aeruginosa (ATCC 15442)

Salmonella enterica
(formerly known as *Salmonella choleraesuis*) (ATCC 10708)

Staphylococcus aureus (ATCC 6538)

Staphylococcus aureus MRSA (ATCC 33592)

Sanitizing activity was determined by the EPA Sanitizer Test for Inanimate, Non-Food Contact Surfaces and ASTM E1153 Standard Test Method for Efficacy of Sanitizers Recommended for Inanimate Non-Food Contact Surfaces.

Soft Surface[Ŧ] Sanitization

For use on soft surfaces[Ŧ] (blinds, bedding, blankets, chairs, couches, curtains, drapes, linens, mattresses, soft cushions, sheets, sofas, upholstered furniture, wash cloths and window treatments).

[Ŧ] composed of cotton or polyester

Soft Surface[Ŧ] Sanitization against the following organisms in 1 minute

Enterobacter aerogenes (ATCC 13048)

Staphylococcus aureus (ATCC 6538)

***KILLS HIV, 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) (associated with AIDS), Hepatitis C Virus (HCV) or Hepatitis B Virus (HBV).

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 (AIDS Virus), 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 / body fluids must be thoroughly cleaned from surfaces / objects before application of PREempt RTU.

Contact Time: Allow surface to remain wet for 1 minute to kill HIV-1, HCV and HBV. Use a 5 minute contact time for TB[†] and a 10 minute contact for fungi.

Disposal of Infectious Material: Blood / body fluids should be autoclaved and disposed of according to Federal, State, and local regulations for infectious waste disposal.

DIRECTIONS FOR USE

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

Broad Spectrum Non-Food Contact Sanitizer:

Apply to hard non-porous surface; allow to remain wet for 30 seconds. Wipe dry. For heavily soiled areas a pre-cleaning is required.

To sanitize Soft Surfaces[Ŧ]:

Spray a light even coating on soiled fabric until damp. Allow area to remain damp for 1 minute. Gently blot area with a clean, damp, color-safe cloth. Repeat as needed (for stubborn stains or heavy fabrics). Let air dry.

For Use To Clean and Disinfect Life Science Laboratory Surfaces, Instruments, and Glassware:

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 the solution.
3. Immerse or allow the surface to remain wet for 1 minute. Use a 5 minute contact time for TB[†] and a 10 minute contact for fungi.
4. For glassware/instrument: Rinse surface thoroughly and let air dry before reuse. For surfaces: Wipe surface dry.
5. Change immersion solution after each use.

To Disinfect Non-Critical[¥], Pre-Cleaned Instruments and Medical Devices:

1. Instruments must be thoroughly pre-cleaned to remove excess organic debris, rinsed, and dried.
2. Clean and rinse lumens of hollow instruments before filling with this product.
3. Spray all surfaces of instruments with this product until thoroughly wet. Let stand for 1 minute. Use a 5 minute contact time for TB[†] and a 10 minute contact time for fungi.
4. Wipe with a clean, damp cloth or paper towel and allow to air dry

[¥] Non-critical medical devices are items that come in contact only with intact skin.

Note: Critical and Semi-critical devices must be followed up by appropriate terminal sterilization/high-level disinfection process.

TB[†] stands for BCG *(Mycobacterium bovis)*

EPA Reg. No. 74559-1
REF029(15/197)

PREempt™ RTU Disinfectant Cleaner Material Compatibility

PREempt RTU Disinfectant Cleaner kills bacteria, viruses and fungi by utilizing AHP® technology, a patented synergistic blend of commonly used ingredients combined with low levels of hydrogen peroxide to dramatically increase its potency and cleaning performance. PREempt products are ideal for cleaning and disinfecting environmental surfaces in cleanrooms and laboratory areas including work stations, fume hoods, equipment and other hard non-porous environmental surfaces.

General Material	Trade Name	Compatibility
Acrylonitrile		Excellent[1]. No effect
Acrylics (Acrylic or Methacrylic Esters)	Plexiglas®, Acrylite®	Excellent[1]. No effect
CPVC (Chlorinated Polyvinyl Chloride)		Excellent[1]. No effect
Polyethylene (LDPE & HDPE)		Excellent[1]. No effect
PPE (Polyphenylene ether)	Noryl®	Excellent[1]. No effect
PEEK (PolyEtherEtherKetone)		Excellent[1]. No effect
Polycarbonate	Lexan®	Excellent[1]. No effect
Polypropylene, Polyurethane		Excellent[1]. No effect
PVC (Polyvinyl Chloride)		Excellent[1]. No effect
PTFE (Polytetra Fluoroethylene)	Teflon®	Excellent[1]. No effect
PVDF (Polyvinylidene Fluoride)	Kynar®	Excellent[1]. No effect
PPS (Polyphenylene Sulphide)	Ryton®	Excellent[1]. No effect
Polyvinyl derivatives	Tygon®	Excellent[1]. No effect
EPDM (Ethylene Propylene Diene Monomer)	Nordel®	Excellent[1]. No effect
FKM or FPM (Fluoro Rubber)	Viton®, Fluorel®	Excellent[1]. No effect
FFKM (Perfluorinated Elastomer)	Chemraz®	Good[2]. Minor effect
Rubber (Natural & Silicone)		Excellent[1]. No effect
Aluminum, Titanium		Excellent[1]. No effect
Stainless Steel (316 & 304)		Excellent[1]. No effect
Porcelain, Ceramic		Excellent[1]. No effect
Hypalon		Severe Effect[4]. Not recommended
Carbon Graphite		Fair[3]. Moderate effect
Carbon Steel		Severe Effect[4]. Not recommended
Cast Iron, Copper, Brass		Fair[3]. Moderate effect
Anodized Aluminum, Galvanized Steel		Fair[3]. Moderate effect
Bronze		Good[2]. Minor effect

[1] Excellent. No effect on integrity of material.

[2] Good. Minor effect, slight corrosion or discoloration. Damage judged to not affect material performance, not aesthetically objectionable.

[3] Fair. Moderate effect, not recommended for continuous use. Softening, loss of strength, swelling may occur, appearance is aesthetically objectionable.

[4] Severe Effect. Not recommended for ANY use. Severe damage to substrates, discernible corrosion, pitting, or corrosion by-products deposits visible on surface of material. Mechanical integrity of material is judged to be compromised.

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