

For Use in Life Science Laboratories and Medical Facilities

This product is a one-step germicidal disinfectant cleaner and odor neutralizer designed for general cleaning, and disinfecting, of hard, non-porous environmental surfaces. It cleans quickly by removing dirt, grime, mold, mildew, body oils and other common soils found in life science laboratories, medical offices, transportation facilities, airports, and barber/beauty salons.

It is designed for use on the following hard, non-porous environmental surfaces: painted surfaces, plastic, glazed ceramic, glazed porcelain, chrome, stainless steel, aluminum, laminated surfaces and baked enamel surfaces associated with floors, walls, ceilings, tables, chairs, countertops, telephones, fixtures, glazed tile, and sinks. This product's non-dulling formula eliminates the time and labor normally required for rinsing.

Directions For Use

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

This 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	8oz.	64mL
1:64	2oz.	16mL
1:128	1oz.	8mL
1:256	0.5oz.	4mL

FOR USE AS A 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 five (5) minutes.
4. Wipe surfaces and let air dry.

TO SANITIZE NON-FOOD CONTACT SURFACES: Dilute at 1.0 oz. of product per gallon of water (1:128).

1. Pre-clean heavily soiled hard non-porous surfaces.
2. Apply Use Solution until thoroughly wet.
3. Let stand for three (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 DEODORIZER: Dilute at 1 oz. of product per gallon of water (1:128). Apply to hard, non-porous surfaces. Let stand for three (3) minutes. Wipe surfaces and let air dry.

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: Blood and other body fluids must be autoclaved and disposed of according to Federal, State, and local regulations for infectious waste disposal.

***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.

PREempt® CONCENTRATE



LICENSED

PERIOD 2015-2017 LIC. NO. 8477.7

Multi-Surface One-Step Disinfectant Cleaner

Active Ingredient:

Hydrogen Peroxide..... 4.25%
Inert Ingredients 95.75%
Total 100.00%



Meets OSHA Bloodborne Pathogen Standard for *HBV & *HIV

KEEP OUT OF REACH OF CHILDREN CAUTION

See reference sheet for a complete list of pathogenic organisms, additional features, and claims.

See additional precautionary statements on back panel of label.

Net Contents:

1 Gallon

EPA Reg. No. 74559-4
EPA Est. No. 74559-CAN-1

Part No. 21305

Claims

See reference sheet for a complete list of organisms.

When used as directed, this product is highly effective against a broad-spectrum of pathogenic microorganisms (including bacteria, antibiotic-resistant bacteria, viruses, fungi, mold and mildew.) At a 1:16 dilution (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:

BACTERICIDAL: 5 MIN. @ 1:16

Pseudomonas aeruginosa (ATCC 15442)
Salmonella enterica (ATCC 10708)
(formerly known as *Salmonella choleraesuis*)
Staphylococcus aureus (ATCC 6538)

Antibiotic-Resistant Bactericidal Activity:

Staphylococcus epidermidis (MRSE) (ATCC 51625)
Enterococcus faecium, (Resistant to Vancomycin [VRE]), (ATCC 51559)
Staphylococcus aureus (MRSA) (ATCC 33591)
Klebsiella pneumoniae, (Carbapenem-resistant [KPC]), (ATCC BAA-1705)
Escherichia coli, (Extended Spectrum Beta-lactamase resistance [ESBL]), (ATCC BAA-196)

*VIRUCIDAL: 5 MIN. @ 1:16-1:64

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:

*Poliovirus Type 1 (ATCC VR-1000)
*Human Coronavirus (VR-740)
*Influenza Type A2 (Hong Kong) (VR-544)
*Norovirus (Feline Calicivirus as the surrogate) (VR-782)

Kills *HIV-1 (AIDS virus) (HTLV-IIIb) 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.

FUNGICIDAL: 5 MIN. @ 1:16

This product is fungicidal 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 at 20°C (68°F).

Trichophyton mentagrophytes (ATCC 9533)
Microsporum canis (ATCC 10214)

NON-FOOD CONTACT SURFACE SANITIZER: 3 MIN. @ 1:128

At a 1:128 dilution (1 oz. of product per gallon of water) with 200 ppm hard water in the presence of 5% serum load and in 3 minutes contact time on hard, non-porous environmental surfaces:

Klebsiella pneumoniae (ATCC 4352)
Salmonella enterica (formerly known as *Salmonella choleraesuis*) (ATCC 10708)
Pseudomonas aeruginosa (ATCC 15442)
Staphylococcus aureus (ATCC 6538)
Escherichia Coli (ATCC 11229)

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* (ATCC 16404) (and the odors caused by them) 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* (ATCC 6275) (and the odors caused by them) when applied to hard, non-porous environmental surfaces.

Malodor Counteractancy – 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 oz. of product per gallon of water), in the presence of 200 ppm hard water and a 30 second contact time or when used as directed at a 1:128 dilution (1 oz. per gallon of water), in the presence of 200 ppm hard water and a 3 minute contact time.

READ S.D.S. BEFORE USING PRODUCT.
S.D.S. is available on line at www.virox.com.

PREempt Concentrate is an effective disinfectant on non-food contact surfaces. Do not use on glasses, dishes, and utensils.

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Do not reuse empty container.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available.

Precautionary Statements

HAZARD TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear chemical splash-proof goggles or face shield. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

First Aid

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

IF SWALLOWED: Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IN CASE OF EMERGENCY, CALL A POISON CONTROL CENTER OR DOCTOR FOR TREATMENT ADVICE. Have the product container or label with you when calling a Poison Control Center or doctor or going in for treatment.

Note to Physician: Probable mucosal damage may contraindicate gastric lavage.

Not recommended for use on copper, brass or marble.

NOTICE TO USER: PREempt Concentrate may not be suitable for all items or surfaces. Prolonged exposure to copper, brass, anodized aluminum and some coatings should be avoided. If you are uncertain as to the material composition of your item, confirm with the manufacturer before proceeding or visit the compatibility section on www.virox.com for a listing of compatible materials.



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

UPC CODE
0-68460-50392-9

For Use in Life Science Laboratories and Medical Facilities

This product is a one-step germicidal disinfectant cleaner and odor neutralizer designed for general cleaning, and disinfecting, of hard, non-porous environmental surfaces. It cleans quickly by removing dirt, grime, mold, mildew, body oils and other common soils found in life science laboratories, medical offices, transportation facilities, airports, and barber/beauty salons.

It is designed for use on the following hard, non-porous environmental surfaces: painted surfaces, plastic, glazed ceramic, glazed porcelain, chrome, stainless steel, aluminum, laminated surfaces and baked enamel surfaces associated with floors, walls, ceilings, tables, chairs, countertops, telephones, fixtures, glazed tile, and sinks. This product's non-dulling formula eliminates the time and labor normally required for rinsing.

Directions For Use

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

This 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	8oz.	64mL
1:64	2oz.	16mL
1:128	1oz.	8mL
1:256	0.5oz.	4mL

FOR USE AS A 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.

TO SANITIZE NON-FOOD CONTACT SURFACES:

Dilute at 1.0 oz. of product per gallon of water (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 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.

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: Blood and other body fluids must be autoclaved and disposed of according to Federal, State, and local regulations for infectious waste disposal.

***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.

PREempt[®] CONCENTRATE

Multi-Surface One-Step Disinfectant Cleaner



LICENSED

PERIOD 2015-2017 LIC. NO.
8477.7



Meets OSHA Bloodborne Pathogen Standard for *HBV & *HIV

Active Ingredient:
Hydrogen Peroxide..... 4.25%
Inert Ingredients.....95.75%
Total..... 100.00%

KEEP OUT OF REACH OF CHILDREN CAUTION

See reference sheet for a complete list of pathogenic organisms, additional features, and claims.

See additional precautionary statements on back panel of label.

Part No. 21311

EPA Reg. No. 74559-4
EPA Est. No. 74559-CAN-1

Net Contents:
55 Gallon

Claims

See reference sheet for a complete list of organisms.

When used as directed, this product is highly effective against a broad-spectrum of pathogenic microorganisms (including bacteria, antibiotic-resistant bacteria, viruses, fungi, mold and mildew.) At a 1:16 dilution (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:

BACTERICIDAL: 5 MIN. @ 1:16

Pseudomonas aeruginosa (ATCC 15442)
Salmonella enterica (ATCC 10708) (formerly known as *Salmonella choleraesuis*)
Staphylococcus aureus (ATCC 6538)

Antibiotic-Resistant Bactericidal Activity:

Staphylococcus epidermidis (MRSE) (ATCC 51625)
Enterococcus faecium, (Resistant to Vancomycin [VRE]), (ATCC 51559)
Staphylococcus aureus (MRSA) (ATCC 33591)
Klebsiella pneumoniae, (Carbapenem-resistant [KPC]), (ATCC BAA-1705)
Escherichia coli, (Extended Spectrum Beta-lactamase resistance [ESBL]), (ATCC BAA-196)

*VIRUCIDAL: 5 MIN. @ 1:16-1:64

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:

*Poliovirus Type 1 (ATCC VR-1000)
*Human Coronavirus (VR-740)
*Influenza Type A2 (Hong Kong) (VR-544)
*Norovirus (Feline Calicivirus as the surrogate) (VR-782)

Kills *HIV-1 (AIDS virus) (HTLV-IIIb) 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.

FUNGICIDAL: 5 MIN. @ 1:16

This product is fungicidal 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 at 20°C (68°F).

Trichophyton mentagrophytes (ATCC 9533)
Microrosporum canis (ATCC 10214)

NON-FOOD CONTACT SURFACE SANITIZER: 3 MIN. @ 1:128

At a 1:128 dilution (1 oz. of product per gallon of water) with 200 ppm hard water in the presence of 5% serum load and in 3 minutes contact time on hard, non-porous environmental surfaces:

Klebsiella pneumoniae (ATCC 4352)
Salmonella enterica (formerly known as *Salmonella choleraesuis*) (ATCC 10708)
Pseudomonas aeruginosa (ATCC 15442)
Staphylococcus aureus (ATCC 6538)
Escherichia coli (ATCC 11229)

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* (ATCC 16404) (and the odors caused by them) 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* (ATCC 6275) (and the odors caused by them) when applied to hard, non-porous environmental surfaces.

Malodor Counteractancy – 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 oz. of product per gallon of water), in the presence of 200 ppm hard water and a 30 second contact time or when used as directed at a 1:128 dilution (1 oz. per gallon of water), in the presence of 200 ppm hard water and a 3 minute contact time.

READ S.D.S. BEFORE USING PRODUCT. S.D.S. is available on line at www.virox.com

PREempt Concentrate is an effective disinfectant on non-food contact surfaces. Do not use on glasses, dishes, and utensils.

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Do not reuse empty container.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for at least 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for reconditioning, if appropriate.

ENVIRONMENTAL HAZARDS: Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting agency has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

Precautionary Statements

HAZARD TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear chemical splash-proof goggles or face shield. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

First Aid

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

IF SWALLOWED: Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IN CASE OF EMERGENCY, CALL A POISON CONTROL CENTER OR DOCTOR FOR TREATMENT ADVICE. Have the product container or label with you when calling a Poison Control Center or doctor or going in for treatment.

Note to Physician: Probable mucosal damage may contraindicate gastric lavage. Not recommended for use on copper, brass or marble.

NOTICE TO USER: PREempt Concentrate may not be suitable for all items or surfaces. Prolonged exposure to copper, brass, anodized aluminum and some coatings should be avoided. If you are uncertain as to the material composition of your item, confirm with the manufacturer before proceeding or visit the compatibility section on www.virox.com for a listing of compatible materials.



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

UPC CODE
0-68460-50436-0

PREempt

CONCENTRATE

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



When used as directed, this product is highly effective against a broad-spectrum of pathogenic microorganisms (including bacteria, antibiotic-resistant bacteria, *viruses, fungi, mold and mildew.) At a 1:16 dilution (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:

USE DILUTION MADE EASY

Ratio	Per Gallon of Water	Per Liter of Water
1:16	8 oz.	64 mL
1:64	2 oz.	16 mL
1:128	1 oz.	8 mL
1:256	0.5 oz.	4 mL

Bactericidal: 5 Minute @ 1:16

Acinetobacter baumannii, (ATCC 19606)
Escherichia coli O157:H7 (ATCC 35150)
Klebsiella pneumoniae (ATCC 4352)
Listeria monocytogenes (ATCC 19111)
Pseudomonas aeruginosa (ATCC 15442)
Salmonella enterica, (ATCC 10708)
(formerly known as *Salmonella choleraesuis*)
Shigella dysenteriae (ATCC 13313)
Staphylococcus aureus (ATCC 6538)
Streptococcus pyogenes (ATCC 12204)

Antibiotic-Resistant Bactericidal Activity

Enterococcus faecium, (Resistant to Vancomycin [VRE]) (ATCC 51559)
Escherichia coli, (Extended Spectrum Beta-lactamase resistance ESBL, (ATCC BAA-196)
Klebsiella pneumoniae, (Carbapenem-resistant [KPC]), (ATCC BAA-1705)
Staphylococcus aureus, (CA-MRSA) (clinical Isolate 08001) (Genotype USA300)
Staphylococcus aureus, (CA-MRSA) (clinical Isolate 08005) (Genotype USA400)
Staphylococcus aureus (MRSA) (ATCC 33591)
Staphylococcus epidermidis (MRSE) (ATCC 51625)
Streptococcus pneumoniae, Penicillin Resistant (PRSP), (ATCC 700671)

*Virucidal: 5 Minutes @ 1:16 - 1:64

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:

*Adenovirus type 8, (ATCC VR-1368, Strain Trim)
*Herpes simplex Type 2 (VR-734)
*Human Coronavirus (VR-740)
*Influenza Type A2 (Hong Kong) (VR-544)
*Norovirus (Feline Calicivirus as the surrogate) (VR-782)
*Parainfluenza Type 3 (VR-93)
*Poliovirus Type 1 (ATCC VR-1000)
*Respiratory Syncytial Virus (VR-26)
*Rhinovirus Type 37, Strain 151-1, (ATCC VR-1147)
*Rotavirus (Strain WA)
*Vaccinia Virus (smallpox vaccine virus) (ATCC VR-119)

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-IIIb) when used as directed on hard, non-porous inanimate surfaces with a 1 minute contact time.

*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.

Fungicidal: 5 Minutes @ 1:16

This product is fungicidal 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.

Trichophyton mentagrophytes, (ATCC 9533)

Malodors

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 oz. of product per gallon of water, in the presence of 200 ppm hard water and a 30 second contact time.

Mold/Mildew

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* (ATCC 16404) and the odors caused by them when applied to hard, non-porous environmental surfaces.

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* (ATCC 6275) and the odors caused by them when applied to hard, non-porous environmental surfaces.

Broad-Spectrum Non-Food Contact Sanitizing: 1:16 @ 30 Seconds

Sanitizing: When used as a non-food contact sanitizer at a 1:16 dilution (8 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 30 second contact time on hard non-porous inanimate surfaces:

Enterobacter aerogenes (ATCC 13048)

Enterococcus faecalis, Vancomycin-Resistant (VRE), (ATCC 51575)

Escherichia coli, Extended Spectrum Beta-lactamase resistance (ESBL), (ATCC BAA-196)

Listeria monocytogenes, (ATCC 19111)

Pseudomonas aeruginosa (ATCC 15442)

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

Staphylococcus aureus (ATCC 6538)

Broad-Spectrum Non-Food Contact Sanitizing: 1:128 @ 3 Minutes

Sanitizing: When used as a non-food contact sanitizer at a 1:128 dilution (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 on hard non-porous inanimate surfaces:

Escherichia coli (ATCC 11229)

Enterococcus faecalis (ATCC 29212)

Klebsiella pneumoniae (ATCC 4352)

Listeria monocytogenes (ATCC 19111)

Pseudomonas aeruginosa (ATCC 15442)

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

Staphylococcus aureus (ATCC 6538)

Bactericidal Stability of Use-Solution

Tests show this product as a disinfectant, when diluted at 1:16 dilution (8 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 10 - 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.

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 ten (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 five (5) minutes. Wipe surfaces and let air dry.

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 five (5) minutes.
4. Wipe surfaces and let air dry.