

VIRUCIDAL*: When used on inanimate, hard, non-porous, environmental surfaces at 2 ounces per gallon of water for a 10 minute contact time (5% organic soil), except for Poliovirus type 1 (Chat strain): which requires a 30 minute contact time (5% organic soil) and HIV-1 which requires only a 30 second contact time.

This product, in the presence of a 98% organic soil load, diluted 1:64 (2 ounces per gallon) in 400 ppm Hard Water, demonstrated efficacy within 10 minutes against the following virus: Human Coronavirus. Note that the organism reference in the above statement is not associated with blood spills. For blood spills, the surface must be thoroughly cleaned before applying this product.

KILLS HIV, HCV & HBV ON PRECLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS in health care settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with 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 human immunodeficiency virus Type 1 (HIV-1) (associated with AIDS), Hepatitis C Virus (HCV) and Hepatitis B Virus.

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HCV & HBV ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS:

PERSONAL PROTECTION: Specific barrier protection items to be used when handling items soiled with blood or body fluids are disposable latex gloves, gowns, masks or eye coverings. **CLEANING PROCEDURE:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of this product.

DISPOSAL OF INFECTIOUS MATERIALS: Blood and other body fluids, cleaning materials and clothing must be autoclaved and disposed of according to Federal, State and local regulations for infectious waste disposal. **CONTACT TIME:** Leave surfaces wet for 30 seconds for HIV-1 and 10 minutes for HCV and HBV. The contact time for the viruses, fungi and bacteria listed on this label is 10 minutes except for Polio virus Type 1 (Chat strain) which is 30 minutes.

General Deodorization: To deodorize, add 2 ounces of this product per gallon of water (or equivalent use dilution of 1:64). Excess material must be wiped up or allowed to air dry.

Refer to insert for complete organism list and contact times. This product is effective against the following microorganisms: Contact time is 10 minutes unless noted as below.

Herpes Simplex Type 2 Virus	Cytomegalovirus	<i>Serratia marcescens</i>
HIV-1 (AIDS Virus)	HBV (Hepatitis B Virus)	<i>Salmonella enterica</i>
<i>Streptococcus pyogenes</i>	HCV (Hepatitis C Virus)	Rotavirus
<i>Pseudomonas aeruginosa</i>		

Kills Pandemic 2009 H1N1 influenza A virus
Enterococcus faecalis (Vancomycin Resistant-VRE)
Staphylococcus aureus (Methicillin Resistant-MRSA)
Staphylococcus aureus (Toxic Shock)
Acinetobacter calcoaceticus var. *lwoffii*

For product information, call: 1-866-781-8787.

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 Reorder #61027129

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. KEEP OUT OF REACH OF CHILDREN: Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. Wear protective eyewear (goggles, face shield or safety glasses). Wear protective clothing and rubber gloves. Avoid contamination of food. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

STATEMENT OF PRACTICAL TREATMENT - FIRST AID

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

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. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have 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.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional medical advice, call the following emergency phone number: 1-800-328-0026.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

PHYSICAL OR CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. **Storage:** Do not store on side. Avoid creasing or impacting of side walls. Store securely in closed original container. Avoid storage at temperature extremes or in sunlight. Avoid shipping or storing below freezing. If product freezes, thaw at room temperature and shake gently to remix components. Use locked storage in an area that will prevent cross-contamination of other pesticides, fertilizer, food and feed. Store in locked area inaccessible to children.

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 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: Triple rinse container (or equivalent) 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 1/4 full with water and recap. Shake for 10 seconds. Discard Rinsate. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.



ACTIVE INGREDIENTS:
 Alkyl (60% C14; 30% C16; 5% C12; 5% C18)
 dimethyl benzyl ammonium chloride2.37%
 Alkyl (68% C12; 32% C14) dimethyl
 ethylbenzyl ammonium chloride.....2.37%
INERT INGREDIENTS95.26%
TOTAL.....100.00%

EPA Reg. No. 61178-1-303
 EPA Est. 303-IN-1 (L), 1677-IL-2 (J), 1677-MN-1 (P),
 1677-CA-1 (S), 1677-TX-1 (D), 1677-GA-1 (M),
 1677-CA-2 (R), 1677-WV-1 (V).
 Superscript refers to first letter of date code.

**KEEP OUT OF REACH OF CHILDREN
 DANGER**
 See side panel for additional Precautionary Statements.

61027129
Net Content: 3.78 L (1 US gal)

DIRECTIONS FOR USE

Refer to insert for complete DIRECTIONS FOR USE. It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. To be used in hospitals in the following areas as a disinfectant: operating rooms, patient care rooms & facilities, recovery, anesthesia, ER, radiology, X-ray cat labs, newborn nurseries, orthopedics, respiratory therapy, surgi-centers, labs, blood collection rooms, central supply, housekeeping & janitorial rooms, nursing homes, doctor's offices & labs, dentists offices & labs (dental operatories).

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 bloodstream 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.

In addition, this product may be used as a disinfectant in schools, sick rooms, rest rooms, shower rooms and industries.

Disinfection/Fungicidal/Virucidal* Directions: Apply use solution to hard inanimate, non-porous surfaces thoroughly wetting surfaces with a cloth, mop, sponge or sprayer. For heavily soiled areas, a preliminary cleaning is required. For sprayer applications use a coarse spray device. Spray 6-8 inches from surface and rub with brush, sponge or cloth. Do not breathe spray.

Add 2 ounces per gallon (16 milliliters per liter) of water to disinfect hard, non-porous surfaces. Treated surfaces must remain wet for 10 minutes. Prepare a fresh solution at least daily or when use dilution becomes diluted or soiled.

Hospitals, Dental Offices, Nursing Homes and other Health Care Institutions Disinfection/Fungicidal and Virucidal* Dilution Chart

Ounces of Product	Amount of Water
1/2 ounce	1 quart
1 ounce	1/2 Gallon
2 ounces	1 gallon
5 ounces	2 1/2 gallons
10.0 ounces	5 gallons
20.0 ounces	10 gallons

At 2 ounces per one gallon (or equivalent use dilution of 1:64) in the presence of 300 ppm hard water (CaCO3). This product was proven to be effective against Hepatitis B Virus with a contact time of 10 minutes.



Reference Sheet RETAIN THIS INFORMATION FOR YOUR FILES

EPA Reg No. 61178-1-303

Disinfection Performance: At 2 ounces of this product to one gallon of water use level, this product is bactericidal and fungicidal on hard inanimate surfaces modified in the presence of 5% organic serum with a 10 minute contact time against:

Isolates From AIDS Patients

Aspergillus niger
Candida albicans
Cryptococcus neoformans
Pseudomonas aeruginosa
Staphylococcus aureus
Streptococcus pneumoniae

Gram Positive Clinical Isolates

Enterococcus faecalis
Micrococcus luteus
Staphylococcus aureus
Staphylococcus aureus (Toxic shock)
Staphylococcus epidermidis
Staphylococcus saprophyticus
Streptococcus haemolyticus
Streptococcus pyogenes

Gram Negative Clinical Isolates

Acinetobacter calcoaceticus var. anitratus
Acinetobacter calcoaceticus var. Iwoffii
Bordetella bronchiseptica
Brevundimonas dimunita
Burkholderia cepacia
Enterobacter agglomerans
Enterobacter cloacae
Enterobacter gergoviae
Enterobacter liquefaciens
Escherichia coli (Urinary)
Escherichia coli (Wound)
Flavobacterium meningosepticum
Hafnia alvei
Klebsiella oxytoca
Klebsiella pneumoniae
Morganella morganii
Proteus mirabilis
Proteus vulgaris
Pseudomonas aeruginosa
Pseudomonas fluorescens
Pseudomonas pseudomallei
Pseudomonas putida
Pseudomonas stutzeri
Serratia marcescens
Sphingomonas paucimobilis

Other Bacteria

Actinobacillus pleuropneumoniae
Actinomyces pyogenes
Bacillus cereus
Bacteroides fragilis
Corynebacterium ammoniagenes
(Brevibacterium ammoniagenes)
Bordetella bronchiseptica
Burkholderia pickettii
Campylobacter jejuni
Chryseomonas luteola
Corynebacterium pseudotuberculosis
Enterobacter aerogenes
Enterococcus faecalis
Enterococcus faecium
Enterococcus hirae
Escherichia coli
Escherichia coli strain O157:H7
Escherichia vulneris
Haemophilus influenzae
Klebsiella pneumoniae
Listeria monocytogenes

Other Bacteria (Continued)

Pasteurella haemolytica
Pseudomonas aeruginosa
Rhodococcus equi
Salmonella enterica
Salmonella schottmueleri
Salmonella typhi
Shigella dysenteriae
Staphylococcus aureus
Staphylococcus auricularis
Staphylococcus capitis
Staphylococcus hominis
Staphylococcus simulans
Stenotrophomonas maltophilia
Streptococcus equi var. equi
Streptococcus equi var. zooepidermicus
Streptococcus pneumoniae (PRSP)
Streptococcus pyogenes
Streptococcus salivarius
Yersinia enterocolitica

Antibiotic Resistant Gram Negative Bacteria

Pseudomonas aeruginosa (Sulfa, Cefatixime, Nitrofurantoin, Tetracycline, Amikacin, Ampicillin, Cephalothin and Bactine Resistant)
Escherichia coli (Ampicillin, Tetracycline, Penicillin and Sulfa Resistant)
Klebsiella oxytoca (Ampicillin, Sulfanilimide and Tetracycline Resistant)
Klebsiella pneumoniae type 1 (Ampicillin, Tetracycline, Cephalothin and Sulfa Resistant)
Morganella morganii (Penicillin and Tetracycline Resistant)
Enterobacter agglomerans (Ampicillin and Sulfanylimide Resistant)
Salmonella choleraesuis (Antibiotic Resistant)
Enterobacteriacia with extended beta-lactamase resistance (Ampicillin and Piperacillin Resistant)

Antibiotic Resistant Gram Positive Bacteria

Enterococcus faecalis (Vancomycin Resistant-VRE)
Enterococcus faecium (Vancomycin Resistant-VRE)
Staphylococcus aureus (Methicillin-MRSA, Community Associated Methicillin Resistant - CA-MRSA PVL Positive)
Staphylococcus aureus (CA-MRSA Genotype USA 400)
Staphylococcus aureus (Penicillin G, Penicillin, Ampicillin, Cefazolin, Cefatixime, Chloramphenicol, Ciprofloxacin, Clindimycin, Erythromycin, Oxacillin, Rifampin, Tetracycline Resistant)
Staphylococcus aureus (Vancomycin Resistant - VRSA)
Staphylococcus aureus (Vancomycin Resistant Intermediate-VISA)
Staphylococcus epidermidis (Ampicillin and Drug Resistant)

Pathogenic Fungi

Trichophyton mentagrophytes

Environmental Fungi

Aspergillus candidus
Aspergillus niger
Penicillium chermesinum
Penicillium oxalicum
Penicillium spinulosum
Ulocladium sp.

Virucidal* Performance: At 2 ounces per gallon (1:64) use level, this product was evaluated in the presence of 5% serum with a 10 minute contact time unless otherwise noted below and found to be effective against the following viruses on hard, non-porous environmental surfaces:

Respiratory illnesses attributable to Pandemic 2009 H1N1 are caused by influenza A virus. This product TOR HB is a broad-spectrum hard surface disinfectant that has been shown to be effective against (influenza A virus tested and listed on the label) and is expected to inactivate all influenza A viruses including Pandemic 2009 H1N1 (formerly called swine flu).

Human Viruses

Adenovirus type 2
Cytomegalovirus
HBV (Hepatitis B Virus)
HCV (Hepatitis C Virus)
Herpes Simplex type 1 Virus
Herpes Simplex type 2 Virus
HIV-1 (AIDS Virus)
Human Coronavirus
Influenza A/Brazil Virus
Influenza A/Victoria (H3N2) Virus
Influenza A2-Asian Virus
Influenza B Virus (Allen strain)
Influenza C Virus (Taylor strain)
Measles Virus
Parainfluenza Virus type 1
Poliovirus type 1 (Chat strain) 30 minutes contact time
Respiratory Syncytial Virus
Rotavirus
Vaccinia Virus

Non-Human Viruses

Avian Influenza/Turkey/Wisconsin Virus
Canine Coronavirus
Canine Distemper Virus
Canine Herpesvirus
Equine Herpesvirus
Equine Influenza Virus
Feline Calicivirus
Norovirus
Feline Infectious Peritonitis Virus
Infectious Bovine Rhinotracheitis (IBR) Virus
Newcastle Disease Virus
Porcine Parvovirus
Porcine Respiratory & Reproductive Syndrome Virus (PRRSV)
Porcine Rotavirus
Pseudorabies Virus
Transmissible Gastroenteritis (TGE) Virus
T1 bacteriophage
T4 bacteriophage
Vesicular Stomatitis Virus (VSV)
Bovine Viral Diarrhea Virus (BVDV)
Avian Influenza Virus (H5N1)



DIRECTIONS FOR USE

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

To be used in hospitals in the following areas as a disinfectant: operating rooms, patient care rooms & facilities, recovery, anesthesia, ER, radiology, X-ray cat labs, newborn nurseries, orthopedics, respiratory therapy, surgi-centers, labs, blood collection rooms, central supply, housekeeping & janitorial rooms, nursing homes, doctor's offices & labs, dentists offices & labs (dental operatories).

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 (2) in contact with the bloodstream 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 preclean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection. In addition, this product may be used as a disinfectant in schools, sick rooms, rest rooms, shower rooms and industries.

This product may be used on washable hard non-porous surfaces such as: shower stalls, shower doors and curtains, bathtubs and glazed tiles, chrome plated intakes, toilets, toilet bowls, toilet bowl surfaces, urinals, empty diaper pails, portable and chemical toilets and latrine buckets, porcelain tile and restroom fixtures, tables, chairs, desks, bed frames, lifts, washable walls, cabinets, doorknobs and garbage cans, cuspidors and spittoons, enameled surfaces, painted (finished) woodwork, Formica®, vinyl and plastic upholstery.

General Deodorization: To deodorize, add 2 ounces of this product per gallon of water (or equivalent use dilution of 1:64). Excess material must be wiped up or allowed to air dry.

Disinfection/Fungicidal/Virucidal* Directions:

Apply use solution to hard inanimate, non-porous surfaces thoroughly wetting surfaces with a cloth, mop, sponge or sprayer. For heavily soiled areas, a preliminary cleaning is required. For sprayer applications use a coarse spray device. Spray 6-8 inches from surface and rub with brush, sponge or cloth. Do not breathe spray.

Add 2 ounces per gallon (16 milliliters per liter) of water to disinfect hard, non-porous surfaces. Treated surfaces must remain wet for 10 minutes. Prepare a fresh solution at least daily or when use dilution becomes diluted or soiled.

Hospitals, Dental Offices, Nursing Homes and other Health Care Institutions Disinfection/Fungicidal and Virucidal* Dilution Chart

Ounces of Product	Amount of Water
1/2 ounce	1 quart
1 ounce	1/2 Gallon
2 ounces	1 gallon
5 ounces	2 1/2 gallons
10.0 ounces	5 gallons
20.0 ounces	10 gallons

At 2 ounces per one gallon (or equivalent use dilution of 1:64) in the presence of 300 ppm hard water (CaCO3). This product was proven to be effective against Hepatitis B Virus with a contact time of 10 minutes.

KILLS HIV, HCV & HBV ON PRECLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS in health care setting or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with 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 human immunodeficiency virus Type 1 (HIV-1) (associated with AIDS), Hepatitis C Virus (HCV) and Hepatitis B Virus.

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HCV & HBV ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS. PERSONAL PROTECTION: Specific barrier protection items to be used when handling items soiled with blood or body fluids are disposable latex gloves, gowns, masks and eye coverings.

CLEANING PROCEDURE: Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of this product.

DISPOSAL OF INFECTIOUS MATERIALS: Blood and other body fluids, cleaning materials and clothing must be autoclaved and disposed of according to Federal, State and local regulations for infectious waste disposal. **CONTACT TIME:** Leave surfaces wet for 30 seconds for HIV-1 and 10 minutes for HCV and HBV. The contact time for the viruses, fungi and bacteria listed on this label is 10 minutes except for Polio virus Type 1 (Chat strain) which is 30 minutes.

FUNGICIDE: At 2 ounces per gallon use-level, (or equivalent use dilution) is effective against the pathogenic fungus *Trichophyton mentagrophytes* (athlete's foot fungus - cause of Ringworm) on inanimate surfaces in the presence of 5% organic soil load and 300 ppm water hardness as CaCO3 in locker rooms, dressing rooms, shower and bath areas and exercise facilities. Contact time ~ 10 minutes. This product, in the presence of a ~ 100% organic soil load, diluted 1:64 (2 ounces per gallon) in 395 ppm Hard Water, demonstrated efficacy within 10 minutes against the following pathogenic fungus: *Trichophyton mentagrophytes*. Note that the organism referenced in the previous statement is not associated with blood spills. For blood spills, the surface must be thoroughly cleaned before applying this product.

VIRUCIDAL*: When used on inanimate, hard, non-porous, environmental surfaces at 2 ounces per gallon of water for a 10 minute contact time (5% organic soil), except for Poliovirus type 1 (Chat strain): which requires a 30 minute contact time (5% organic soil) and HIV-1 which requires only a 30 second contact time.

This product, in the presence of a 98 % organic soil load, diluted 1:64 (2 ounces per gallon) in 400 ppm Hard Water, demonstrated efficacy within 10 minutes against the following virus: *Human Coronavirus*. Note that the organism referenced in the above statement is not associated with blood spills. For blood spills, the surface must be thoroughly cleaned before applying this product.

**DISINFECT TOILET BOWLS
NON-ACID TOILET BOWL (AND URINAL) DISINFECTION/CLEANER
DIRECTIONS**

Remove gross filth prior to disinfection.
From Concentrate: Add 2 ounces (16 milliliters per liter) to the toilet bowl and mix. Brush thoroughly over exposed surfaces and under the rim with a cloth, mop, or sponge. Repeat and allow to stand for 10 minutes and flush.
From Use Solution: Empty toilet bowl or urinal and apply 2 ounces per gallon (16 milliliters per liter) use solution to exposed surfaces including under the rim with a cloth, mop, sponge or sprayer, brush or swab thoroughly and allow to stand for 10 minutes and flush.

For Heavy Duty Use: Empty toilet bowl or urinal and apply 8 ounces per gallon (64 milliliters per liter) use solution to exposed surfaces including under the rim with a cloth, mop, sponge or sprayer, brush or swab thoroughly and allow to stand for 10 minutes and flush.

Cleaning/Deodorizing Directions: Add 1 to 4 ounces per gallon (8 to 32 milliliters per liter) of water to clean and deodorize windows, mirrors and non-food contact glass surfaces. When using a coarse spray device, spray 6-8 inches from surface. Rub with sponge or cloth. Do not breathe spray.