

Virex® II 256

One-Step Disinfectant Cleaner and Deodorant



One-step quaternary disinfectant cleaner and deodorant to clean and disinfect hard surfaces.

Broad Spectrum Activity

- ▶ Kills microorganisms including HIV-1, VRE, MRSA, GRSA, MRSE, VISA, PRSP, Herpes Simplex Types 1&2, Influenza Type A2, Adenovirus, Rotavirus and many more

Cost-Effective

- ▶ Highly concentrated quaternary formula provides excellent one-step, cost-effective cleaning and disinfection

No Rinse Formula

- ▶ Use solution is neutral to floor finish so it will not dull, pit or soften floor finishes

Odor Control

- ▶ Kills the organisms that cause odors and works as an odor counteractant to further eliminate odors not associated with bacteria

Designed For

- ▶ Health Care
 - ▶ Education
 - ▶ Retail
 - ▶ Lodging
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Use Overview

Virex® II 256 One-Step Disinfectant Cleaner and Deodorant is a one-step disinfectant cleaner and deodorant. For use on hard, inanimate, nonporous surfaces such as floors, walls, porcelain and plastic surfaces in hospitals, nursing homes, schools, colleges and hotels.

Preparation

- ▶ Pre-clean heavily soiled areas.
- ▶ Dilute a 1:256 solution into a bucket, bottle, scrubber or other container.
- ▶ Apply solution to hard, nonporous environmental surfaces. To disinfect, all surfaces must remain wet for 10 minutes.
- ▶ Wipe surfaces and let air dry.



Product Specifications

Description	
Color/Form	Clear, blue liquid
DIN No.	02241502
Flash Point	>187° F (>86.0° C)
pH	10.2 (Concentrate) 8.8 (Use Dilution 1:256)
Scent	Minty
Shelf Life	3 years
Solubility	Complete
Specific Gravity	1.0

Hazard Rating

HMIS		NFPA
3	Health	3
1	Flammability	1
0	Reactivity	0

4=Very High; 3=High; 2=Moderate; 1=Slight; 0=Insignificant.

Available Items

Product Code	Description/Package Size	Dilution
54334	2 x 2.5 L / 84.5 oz. J-Fill® Bottles	1:256
54332	6 x 32 oz. / 946 mL AccuMix® Containers	1:256
3062784	1 x 5 L / 1.32 gallon RTD® Unit	1:256
3680136	12 x 32 oz./946 mL Empty Bottles	

Safety Reminder

Please make sure your employees read and understand the product label and Material Safety Data Sheet before using this product. The label contains directions for use, and both the label and MSDS contain hazard warnings, precautionary statements and first aid procedures. MSDS are available on-line at www.diversey.com or by calling 888 352 2249.

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One-Step Disinfectant Cleaner and Deodorant

VIREX® II 256 disinfectant cleaner can be applied by mop, sponge, cloth, paper towel, trigger sprayer, tank sprayer, auto-scrubber or foam gun. Change cloth, sponges or towels frequently to avoid redeposition of soil. For disinfection, all surfaces must remain wet for 10 minutes.

DIRECTIONS FOR USE:

For Use as a Non-Acid Bowl Cleaner/Disinfectant in Toilet Bowls from Concentrate: 1. Pre-clean heavily soiled areas. 2. Add 11 mL into toilet bowl for a 1:256 dilution. 3. Swab entire surface area especially under the rim. 4. Allow entire surface to remain wet for 10 minutes. 5. Flush toilet and rinse swab applicator thoroughly.

For Use To Clean and Disinfect Shower Rooms, Locker Rooms and Other Large, Open Areas with Floor Drains:

1. Pre-clean heavily soiled areas. 2. Pour concentrate into foam gun and attach bottle to spray nozzle and ensure gun is attached to hose. Note: See foam gun instructions for more information. Make sure setting is set for a 1:256 dilution. 3. Once in place, squeeze the handle to dispense foam solution. 4. Apply solution to floors, walls and ceilings making sure not to over spray. To disinfect, all surfaces must remain wet for 10 minutes. 5. Scrub using a deck brush or other coarse material as necessary. 6. Rinse thoroughly and let air dry.

When used as directed at a 1:256 dilution (3.9 mL/L) of water, VIREX® II 256 disinfectant cleaner contains 660 ppm of active quaternary germicide making it highly effective against a wide variety of pathogenic microorganisms. Using recognized AOAC test methods under Good Laboratory Practices, in the presence of 400 ppm hard water, 10% serum and 10 minutes contact time, unless otherwise noted, VIREX® II 256 kills the following:

Bacteria - Kills:

Pseudomonas aeruginosa, [ATCC 15442]
Staphylococcus aureus, [ATCC 6538]
Salmonella enterica, [ATCC 10708], formerly known as *Salmonella choleraesuis*
Bordetella bronchiseptica, [ATCC 10580]
Campylobacter fetus, [ATCC 27374]
Chlamydia psittaci, [VR-125]
Citrobacter freundii, [ATCC 8090]
Enterobacter agglomerans, [ATCC 27155]
Enterobacter cloacae, [ATCC 23355]
Enterobacter liquefaciens, [ATCC 14460]
Enterococcus faecalis, [ATCC 19433]
Enterococcus hirae, [ATCC 10541]
Escherichia coli, [ATCC 11229]
Escherichia coli 0157:H7, [ATCC 43890]
Flavobacterium meningosepticum, [ATCC 13253]
Haemophilus influenzae, [ATCC 10211]
Hafnia alvei, [ATCC 13337]
Klebsiella oxytoca, [ATCC 13182]
Klebsiella pneumoniae, [ATCC 13883]
Legionella pneumophila, [ATCC 33153]
Listeria monocytogenes, [ATCC 15313]
Micrococcus luteus, [ATCC 4698]
Micrococcus luteus, [ATCC 14452]
Micrococcus sedentarius, [ATCC 27573]
Neisseria gonorrhoeae, [ATCC 43069]
Pasteurella multocida, [ATCC 43137]
Proteus mirabilis, [ATCC 9240]
Proteus vulgaris, [ATCC 13315]
Pseudomonas cepacia, [ATCC 25416]
Pseudomonas diminuta, [ATCC 11568]
Pseudomonas fluorescens, [ATCC 13525]
Pseudomonas putida, [ATCC 12633]
Pseudomonas stutzeri, [ATCC 17588]
Salmonella enterica pullorum, [ATCC 19945], formerly known as *Salmonella choleraesuis pullorum*
Salmonella enteritidis, [ATCC 13076]
Salmonella gallinarum, [ATCC 9184]
Salmonella schottmuelleri, [ATCC 10719]
Salmonella typhi, [ATCC 6539]
Salmonella typhimurium, [ATCC 13311]
Serratia grimesii, [ATCC 14460]
Serratia marcescens, [ATCC 9103]
Shigella dysenteriae, [ATCC 29026]
Shigella flexneri, [ATCC 25875]
Shigella sonnei, [ATCC 25931]
Staphylococcus aureus, [ATCC 25923]
Staphylococcus aureus (Toxic Shock), [ATCC 33586]
Staphylococcus epidermidis, [ATCC 14990]
Staphylococcus haemolyticus, [ATCC 29970]
Streptococcus agalactiae, [ATCC 13813]
Streptococcus faecalis, [ATCC 19433]
Streptococcus mutans, [ATCC 25175]
Streptococcus pyogenes, [ATCC 19615]
Streptococcus pyogenes ("Strip A" - Flesh Eating Strain), (clinical isolate)
Vibrio cholerae, [ATCC 11623]
Yersinia enterocolitica, [ATCC 9610]

Antibiotic-Resistant Bacteria - kills: antibiotic-resistant strains of

Acinetobacter baumannii
E. coli, [ATCC 55244] Resistant to Kanamycin
E. coli, [ATCC 47041] Resistant to Tetracycline
Enterococcus faecalis [ATCC 51299], Resistant to Vancomycin [VRE]
Klebsiella oxytoca, [ATCC 15764] Resistant to Ampicillin, Dihydrostreptomycin
Micrococcus sedentarius, [ATCC 27573] Resistant to Methicillin
Staphylococcus aureus (MRSA, GISA, VISA and others), [ATCC 33592, CDC HIP-5836 & 14154] Resistant to Methicillin [MRSA], Gentamicin [GRSA], Penicillin, Erythromycin, Streptomycin, Tetracycline, Intermediate Vancomycin Resistance [VISA]
Staphylococcus aureus CA-MRSA (NARSA NRS384) (Genotype USA300)
Staphylococcus aureus CA-MRSA (NARSA NRS123) (Genotype USA400)
Staphylococcus epidermidis, [ATCC 51625] Resistant to Methicillin [MRSE]
Streptococcus pneumoniae, [ATCC 51915] Resistant to penicillin [PRSP]

Viruses - kills:

Human viruses:

Adenovirus Type 2 ***, [VR-2]
 Cytomegalovirus, [VR-538]
 Herpes simplex Type 1, [VR-733]
 Herpes simplex Type 2, [VR-734]
 HIV-1***, [HTLV-III_g]
 Human Coronavirus
 Influenza Type A₂ (Hong Kong), [VR-544]
 Parainfluenza Type 3, [VR-93]
 Respiratory syncytial virus, [VR-26]
 Rotavirus, [Strain WA]
 Vaccinia virus, [VR-119]

Veterinary viruses:

Avian Infectious bronchitis (IBV), [VR-22]
 Avian Influenza, [VR-2072]
 Canine distemper, [VR-128]
 Feline viral rhinotracheitis, [VR-636]
 Infectious bovine rhinotracheitis, [VR-188]
 New Castle disease, [VR-108]
 Pseudorabies, [VR-135]
 Transmissible gastroenteritis virus (TGE), (U of Minn. Strain)

Fungi/Yeast - kills:

Fungi:
Geotrichum candidum, [ATCC 18301]
Saccharomyces cerevisiae, [ATCC 2601]
*Trichophyton mentagrophytes**** (athlete's foot fungus), [ATCC 9533]

Yeast:

*Candida albicans****, [ATCC 10231]

Mold/Mildew Activity - kills*** controls and prevents the growth of mold and mildew such as *Aspergillus niger*, [ATCC 6275], and the odors caused by them when applied to hard, non-porous environmental surfaces. Allow applied solution to air dry on surface. Repeat application weekly or when growth reappears.

***Tests performed using 1 minute contact time.

***Tests performed using 5% serum.

Malodor Activity - eliminates odors and odor-causing bacteria in restroom areas, behind and under sinks and counters, garbage cans and storage areas and other places where bacterial growth can cause malodors.

Bactericidal Stability of Use-Dilution - Tests show VIREX® II 256 disinfectant cleaner, when diluted in 400 ppm hard water, remains effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus* and *Salmonella enterica* for up to 1 year in storage as long as it remains sealed. If product becomes visibly dirty or contaminated, the use-dilution must be discarded and fresh product prepared. Always use clean, dry containers when diluting this product.

FIRST AID:

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

IF SWALLOWED: Call a doctor or get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person. Drink promptly large quantities of water. Call a physician or the Poison Control Centre immediately. *(If diluted product gets in eyes or on skin, rinse eyes with water and wash skin thoroughly with soap and water after handling. Get medical attention if irritation persists.)*

TOXICOLOGICAL INFORMATION:

Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

DISPOSAL: Dispose of the container in accordance with provincial requirements.

***Kills HIV-1 on pre-cleaned environmental surfaces/objects previously soiled with blood/body fluids** in health care settings (Hospitals, Nursing Homes) 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 Human Immunodeficiency Virus Type 1 (HIV-1).

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 OF SURFACES/ OBJECTS SOILED WITH BLOOD/BODY FLUIDS.

Personal Protection: Disposable latex or vinyl gloves, gowns, face masks, or eye coverings as appropriate, 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 VIREX® II 256.

Contact Time: At a 1:256 dilution, allow surface to remain wet for 1 minute to kill HIV-1 and for 10 minutes to kill all other organisms cited on the label.

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

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