



TECHNICAL DATA

203



HBV DiSiNFEC- TANT 256 DESiNFECTANTE

EPA REG. NO. 1839-214-1674

Product Central 203 HBV Disinfectant 256 is a one-step cleaner-disinfectant-fungicide-mildewcide-virucide. This formulation is effective against a broad spectrum of bacteria, is a virucidal, fungicidal and kills mildew when used as directed. Effective against HIV-1 (AIDS virus) and Hepatitis B virus. This product is an effective one-step disinfectant-cleaner for use on non-food contact areas in schools, colleges, hospitals, nursing homes, veterinary clinics, animal life science laboratories, and hotels. It is specially formulated to be non-dulling to floor finish. This product does not contain nonyl phenol ethoxylate detergents and is phosphate free

- HBV Disinfectant 256 is a one step neutral disinfectant that is effective against a broad spectrum of bacteria, is *virucidal (including HIV-1, HCV and HBV) and inhibits the growth of mold and mildew and their odors when use as directed.
- HBV Disinfectant 256 saves time, labor, and cost. It is especially formulated to be non-dulling to floor finishes and requires no rinsing.
- This product is a broad-spectrum germicidal cleaner and deodorant that is effective at 1:256 (½ ounce per gallon) dilution in the presence of 400 ppm hard water (calculated as CaCO3) plus 5% organic blood serum..

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. May be fatal if inhaled. Do not breathe spray mist. Harmful if swallowed or absorbed through skin. Wear goggles or face shield, rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse.

SPECIFICATIONS	
pH	6.5 - 7.5
Color	Green
Odor	Floral
Weight per gallon	8.50 lbs.
Packaging	32 ounce container
Shelf Life	1 year

FIRST AID:

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

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 on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.

If swallowed: Call 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 the 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 by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

SAFETY PRECAUTIONS: Wear protective gloves and safety goggles when handling this or any other cleaning product.

DIRECTIONS FOR USE

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

DISINFECTION:

To disinfect inanimate, hard non-porous surfaces add ½ ounce per gallon of water. Apply solution so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid. For sprayer applications, spray 6-8 inches from surface, rub with brush, sponge or cloth. Do not breathe spray mist. For heavily soiled areas, a pre-cleaning step is required. Prepare a fresh use-solution daily or more often if the use-solution becomes visibly dirty or diluted. All surfaces that come in contact with food must be rinsed with potable water. Do not use on utensils, glasses and dishes.

Non-Acid Toilet Bowl Disinfection/Cleaner Directions: Remove gross filth prior to disinfection. Empty toilet bowl or urinal and apply ½ ounce per gallon (4 milliliters per liter) use-solution to exposed surfaces, brush or swab thoroughly under the rim with a cloth, mop, sponge or sprayer, allow to stand for 10 minutes and flush.

HBV Disinfectant 256 is a broad-spectrum germicidal cleaner and deodorant that is effective at 1:256 in the presence of 400 ppm hard water (calculated as CaCO₃) plus 5% organic blood serum.

BACTERICIDAL ACTIVITY:

Bactericidal in 10 minutes against: *Pseudomonas aeruginosa* (ATCC 15442), *Staphylococcus aureus* (ATCC 6538), *Salmonella* (choleraesuis) enterica (ATCC 10708), *Enterobacter aerogenes* (ATCC 13048).

Bactericidal in 5 minutes against: *Escherichia coli* O157:H7 (ATCC 43895), *Enterococcus faecium* (ATCC 6569), *Escherichia coli* (ATCC 8739), *Salmonella* (typhimurium) enterica (ATCC 14028), *Proteus mirabilis* GBL 34 Clinical Isolate, *Proteus vulgaris* (ATCC 33420), *Salmonella* (typhi) enterica (ATCC 6539), *Serratia marcescens* (ATCC GBL-NC 76 Industry Isolate), *Shigella flexneri* (ATCC 12022), *Streptococcus pyogenes* (ATCC 19615), *Shigella sonnei* (ATCC 9290), *Staphylococcus epidermidis* (ATCC 14990), *Yersinia enterocolitica* (ATCC 23715), *Salmonella* (enteritidis) enterica (ATCC 13076), *Listeria monocytogenes* (ATCC 984), *Klebsiella pneumoniae* (ATCC 13883), *Salmonella* (pullorum) enterica (ATCC 9120). ANTIBIOTIC RESISTANT BACTERIA: Vancomycin resistant *Enterococcus faecium* (VRE), Multi-Drug resistant (MDR) *Acinetobacter baumannii* (ATCC 19606), Vancomycin Intermediate Resistant *Staphylococcus aureus* (VISA) (ATCC 700699), Extended Spectrum Beta-Lactamase (ESBL) *Escherichia coli* (ATCC BAA-196), Antibiotic resistant *Staphylococcus epidermidis*, Antibiotic resistant *Escherichia coli*, Antibiotic resistant *Enterococcus faecium*, Antibiotic resistant *Klebsiella pneumoniae*, Methicillin resistant *Staphylococcus aureus* (MRSA) (ATCC 33591), Oxacillin resistant *Streptococcus pneumoniae* (ATCC 35088).

*VIRUCIDAL ACTIVITY:

*Virucidal in 5 minutes against: Hepatitis C Virus (HCV), SARS Associated Coronavirus, Herpes simplex Virus Type 1 (ATCC VR-733), Herpes simplex Virus Type 2 (ATCC VR-734), Influenza Virus Type A2 (ATCC VR-544), Pseudorabies Virus (ATCC VR-135), Respiratory Syncytial Virus (RSV) (ATCC VR-26), Vaccinia Virus (ATCC VR-119), Rotavirus (ATCC VR-899), Bovine Viral Diarrhea Virus (BVDV) (ATCC VR-534) and Avian Influenza Virus H9N2 Kills Pandemic 2009 H1N1 Influenza A virus (formerly called swine flu). *Virucidal in 3 minutes against: Hepatitis B Virus (HBV). *Virucidal in 30 seconds against: Human Immunodeficiency Virus Type 1.

MILDEWCIDAL ACTIVITY:

At a 1:256 dilution 400 ppm hard water (calculated as CaCO₃) and 5% organic blood serum, this product will kill *Aspergillus niger* (ATCC 6275) when applied to hard, non-porous surfaces. Allow surface to remain wet for 10 minutes and let air dry. Repeat when mildew growth returns.

FUNGICIDAL ACTIVITY:

At the ½ ounce per gallon dilution this product is fungicidal against the pathogenic fungi, *Trichophyton mentagrophytes* (ATCC 9533) (Athlete's Foot Fungus) and *Candida albicans* (ATCC 10231). Apply solution with a cloth, sponge or hand pump trigger sprayer to hard, non-porous surfaces found in bathrooms, shower stalls, locker rooms, exercise facilities or other clean, hard non-porous surfaces commonly contacted by bare feet. Allow the surface to remain wet for 10 minutes, for *Candida albicans* allow surface to remain wet for 5 minutes, then remove excess liquid. Diluted product must be applied daily or more frequently with heavy facility use.

KILLS HIV-1, HCV and HBV ON PRE-CLEANED 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 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 (associated with AIDS), Hepatitis C Virus (HCV) and Hepatitis B Virus (HBV).

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

PERSONAL PROTECTION: When handling items soiled with blood or body fluids, use disposable latex gloves, gowns, masks, and eye coverings.

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

CONTACT TIME: HIV-1 is inactivated after a 30 second contact time. HBV is inactivated after a 3 minute contact time. HCV is inactivated after a 5 minute contact time. Use either a 5 or 10 minute contact time for other organisms as stated on the label.

DISPOSAL OF INFECTIOUS MATERIALS: Blood and other body fluids must be autoclaved and disposed of according to local regulations for infectious waste disposal.

EFFICACY TESTS HAVE DEMONSTRATED THAT HBV Disinfectant 256 IS AN EFFECTIVE BACTERICIDE, FUNGICIDE, *VIRUCIDE AND MILDEWCIDE IN WATER UP TO 400 PPM HARDNESS (AS CaCO₃) IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).

VETERINARY PRACTICE/ANIMAL CARE FACILITIES DISINFECTION DIRECTIONS:

For cleaning and disinfecting of the following hard non-porous surfaces: equipment not used for animal food or water, utensils, instruments, cages, kennels, stables, catteries, etc. Remove all animals and feed from premises, animal transportation vehicles, crates, etc. Remove all litter, droppings and manure from floors, walls and surfaces occupied or traversed by animals. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution of this product for a period of 10 minutes. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried.

****SANITIZATION OF NON-FOOD CONTACT SURFACES -** To sanitize non-porous environmental surfaces: floors, walls, tables, apply solution with a mop, cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 15 seconds, then remove excess liquid. For heavily soiled areas, a pre-cleaning step is required. Prepare a fresh solution for each use. This product is an effective sanitizer against *Staphylococcus aureus* (ATCC 6538), *Klebsiella pneumoniae* (ATCC 4352), *Pseudomonas aeruginosa* (ATCC 15442), *Enterobacter aerogenes* (ATCC 13048), *Escherichia coli* O157:H7 (ATCC 35150), Vancomycin resistant *Enterococcus faecium* (VRE) (ATCC 51559), Methicillin resistant *Staphylococcus aureus* (MRSA) (ATCC 33592), *Streptococcus pyogenes* (ATCC 19615) and *Salmonella* (typhi) enterica (ATCC 6539).

USE WITH COLD WATER ONLY.