



Disinfectants

HD Detergent/ Disinfectant

DESCRIPTION

This product is a phosphate free formulation designed to provide effective cleaning, deodorization, and disinfection specifically for hospitals, nursing homes, schools, transportation terminals, automotive garages, office buildings, manufacturing facilities, lodging establishments, retail businesses and athletic/recreational facilities where housekeeping is of prime importance in controlling the hazard of cross contamination. This product cleans, deodorizes and disinfects all hard non-porous household surfaces. It inhibits the growth of mold and mildew, leaving bathrooms and kitchens clean and fresh smelling. This product is a non-abrasive cleaner for showers, tubs, shower doors, vinyl and plastic shower curtains, fixtures and toilet bowls. This product is an economical concentrate that can be used with a mop and bucket, hand pump trigger sprayer, low pressure coarse sprayer or sponge.

Kills Pandemic 2009 H1N1 Influenza A virus (formerly called swine flu).

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 for use on critical and semi-critical medical devices surfaces.

DISINFECTION - To disinfect inanimate, hard, non-porous surfaces add 2 ounces of this product per gallon of water. Apply solution with a mop, cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid. For heavily soiled areas, a pre-cleaning step is required. Bactericidal Stability of Use-Dilution: Prepare a fresh solution for each use. To disinfect toilet bowls: flush toilet, add 2 ounces of this product directly to the bowl water. Swab the bowl completely using a scrub brush or toilet mop, making sure to get under the rim. Let stand for 10 minutes and flush.

BACTERICIDAL ACTIVITY - When diluted at the rate of 2 ounces per gallon of water, this product exhibits effective one-step disinfectant activity against the organisms: *Pseudomonas aeruginosa* PRD 10, *Escherichia coli*, *Klebsiella pneumoniae*, *Salmonella schottmuelleri*, *Salmonella enterica*, *Streptococcus salivarius*, *Brevibacterium ammoniagenes*, *Streptococcus faecalis*, *Shigella dysenteriae*, *Enterobacter aerogenes*, *Staphylococcus aureus*, Methicillin resistant *Staphylococcus aureus* (MRSA), *Acinetobacter baumannii*, *Enterococcus faecium*, Vancomycin resistant *Enterococcus faecalis* (VRE), Vancomycin intermediate resistant *Staphylococcus aureus* (VISA) and *Streptococcus pyogenes* (Clinical-Flesh Eating Strain BIRD M3) and meets all requirements for hospital use. **MILDEWSTAT** - To control mold and mildew on pre-cleaned, hard, non-porous surfaces, add 2 ounces of this product per gallon of water. Apply solution with a cloth, mop, sponge, hand pump trigger sprayer or low pressure coarse sprayer making sure to wet all surfaces completely. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals or when mildew growth appears. **FUNGICIDAL ACTIVITY** - At the 2 ounces per gallon dilution, this product is also fungicidal against the pathogenic fungi, *Trichophyton mentagrophytes* (causative agent of Athlete's Foot Fungus) (a cause of ringworm of the foot), when used as directed on hard surfaces found in bathrooms, shower stalls, locker rooms, exercise facilities or other clean, hard, non-porous, surfaces commonly contacted by bare feet. Follow the Disinfection directions. ***VIRUCIDAL ACTIVITY** - This product when used on environmental, inanimate, hard, non-porous surfaces at 2 ounces per gallon of water, exhibits effective virucidal activity against Influenza A2/Japan (representative of the common flu virus), Herpes Simplex Type 1 (causative agent of fever blisters), Adenovirus Type 2 (causative agent of upper respiratory infections), Vaccinia virus (representative of the Pox virus group), Bovine Viral Diarrhea Virus (BVDV), Human Coronavirus, Human Immunodeficiency Virus Type 1 (HIV-1), Hepatitis B Virus (HBV), Hepatitis C Virus (HCV), Norovirus (Norwalk Virus), Feline calicivirus (FCV), SARS Associated Coronavirus, Porcine Respiratory & Reproductive Syndrome Virus (PRRSV) and Avian Influenza A. Follow the Disinfection directions.

KILLS HIV-1, HBV AND HCV ON PRE-CLEANED ENVIRONMENTAL SURFACES/ OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS in health care settings (Hospitals, Nursing Homes) 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 (HIV-1) (associated with AIDS), Hepatitis B Virus (HBV) and Hepatitis C Virus (HCV). **SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HBV AND HCV ON 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:** Allow surface to remain wet for 10 minutes. **DISPOSAL OF INFECTIOUS MATERIALS:** Blood and other body fluids should be autoclaved and disposed of according to local regulations for infectious waste disposal. **EFFICACY TESTS HAVE DEMONSTRATED THAT THIS PRODUCT IS AN EFFECTIVE BACTERICIDE, FUNGICIDE, AND VIRUCIDE IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).** **DEODORIZATION** - To deodorize, apply this product as indicated under the heading **DISINFECTION**. **Cleaning/Deodorizing Directions:** Add 1 to 2 ounces per gallon of water to clean and deodorize windows, mirrors and glass surfaces. Use a coarse spray device. Spray 6-8 inches from surface, rub with sponge or cloth. Do not breathe spray mist.

SPECIFICATIONS

Color.....	Blue
Odor.....	Citrus
Active Ingredients.....	Dual Quaternary
pH (Concentrate).....	11.8 ± 0.3
Specific Gravity (g/cc).....	1.04 ± 0.01
Density (lbs/gal).....	8.6 ± 0.2
Upper Cloud	> 130°F
Lower Cloud	< 33°F
Viscosity (cps)	< 10
DUAL-BLEND® Dilution Ratio.....	1:64
Case Yield	162.5 gal / 650 qts

SAFETY INFORMATION

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. Wear goggles or face shield, rubber gloves, and protective clothing. Harmful if swallowed. Remove contaminated clothing and wash before reuse. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

PESTICIDE STORAGE - Store in a dry place no lower in temperature than 50°F or higher than 120°F.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. When container is empty, replace cap and discard in trash.

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.

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.

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



401 N. 10th Street • Philadelphia, PA 19123 USA

Toll Free: (800) 628-2436

Phone: (215) 922-1200 • Fax: 215-922-5517

Website: www.nclonline.com

Contact E-mail: info@nclonline.com



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