

Surf-Cide II

ACTIVE INGREDIENTS	
Octyl decyl dimethyl ammonium chloride.....	3.255%
Diocetyl dimethyl ammonium chloride	1.628%
Didecyl dimethyl ammonium chloride	1.628%
Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride	4.339%
INERT INGREDIENTS	
.....	89.150%
Total 100.000%	

DISINFECTANT ■ PSEUDOMONACIDAL ■ STAPHYLOCIDAL ■ SALMONELLACIDAL
BACTERICIDAL ■ FUNGICIDAL ■ MILDEWSTATIC ■ *VIRUCIDAL

Effective against the following pathogens: *Pseudomonas aeruginosa*¹, *Staphylococcus aureus*¹, *Salmonella enterica*, *Acinetobacter calcoaceticus*, *Bordetella bronchiseptica*, *Chlamydia psittaci*, *Enterobacter aerogenes*, *Enterobacter cloacae*, *Enterococcus faecalis* - Vancomycin Resistant (VRE), *Escherichia coli*, *Fusobacterium necrophorum*, *Klebsiella pneumoniae*², *Legionella pneumophila*, *Listeria monocytogenes*, *Pasteurella multocida*, *Proteus mirabilis*, *Proteus vulgaris*, *Salmonella enteritidis*, *Salmonella typhi*, *Salmonella typhimurium*, *Serratia marcescens*, *Shigella flexneri*, *Shigella sonnei*, *Staphylococcus aureus* - Methicillin resistant (MRSA), *Streptococcus pyogenes*, *Staphylococcus epidermidis*², *Adenovirus Type 4, *Adenovirus Type 7 - at 4 oz. per gallon, *Hepatitis B Virus (HBV), *Hepatitis C Virus (HCV), *Herpes Simplex Type 1, *Herpes Simplex Type 2, *Human coronavirus, *HIV-1(AIDS virus), *Influenza A / Hong Kong, *Respiratory Syncytial Virus (RSV), *Rubella (German Measles), *Vaccinia (Pox Virus), *Avian Polyomavirus, *Canine Distemper, *Feline Leukemia, *Feline picornavirus, *Infectious bovine rhinotracheitis, *Infectious bronchitis (Avian IBV), *Newcastle Disease, **Pseudorabies (PRV), *Rabies, *Transmissible Gastroenteritis virus (TGE), *Aspergillus niger*, *Trichophyton mentagrophytes*, *Candida albicans*. Kills Pandemic 2009 H1N1 influenza A virus.

DIRECTIONS FOR USE

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

SURFCIDE II GERMICIDAL DETERGENT & DEODORANT is a phosphate-free formulation designed to provide effective cleaning, deodorizing, and disinfection for hospitals, nursing homes, lodging establishments, schools, food service establishments, and food processing plants, where housekeeping is of prime importance in controlling cross-contamination from treated surfaces. This product, when used as directed, is formulated to disinfect the following hard non-porous inanimate environmental surfaces: floors, walls, metal surfaces, stainless steel surfaces, glazed porcelain, glazed ceramic tile, plastic surfaces, vanity tops, shower stalls, bathtubs, and cabinets. For larger areas such as operating rooms and patient care facilities, this product is designed to provide both general cleaning and disinfecting. This product deodorizes those areas which generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, toilet bowls, and other areas which are prone to odors caused by microorganisms. 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 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 is formulated to a neutral pH and will not dull high-gloss floor finishes with repeated use. **GENERAL CLEANING** Apply product to soiled area with a mop, cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer. Product can be diluted at 1 ounce per gallon or applied at full strength. Thoroughly wet soiled surface and scrub as necessary.

DISINFECTION - To disinfect inanimate, hard non-porous surfaces add 1 ounce 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 sprayer application, 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.

TO DISINFECT TOILET BOWLS - Remove gross filth or soils from surfaces with bowl brush. Add 1 ounce of product to the bowl water. Brush or 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. To disinfect food processing premises: floors, walls, and storage areas, add 1 ounce of this product per gallon of water. For heavily soiled areas, a pre-cleaning step is required. 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. Before using this product, food products and packaging materials must be removed from the area or carefully protected. After use, all surfaces in the area must be thoroughly rinsed with potable water.

To disinfect restaurant food contact surfaces: countertops, appliances, and tables, add 1 ounce of this product per gallon of water. For heavily soiled areas, a pre-cleaning step is required. Apply solution with a cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. Allow the surface to remain wet for 10 minutes, then remove excess liquid and rinse the surface with potable water. This product cannot be used to clean the following food contact surfaces: utensils, glassware and dishes.

DEODORIZATION - To deodorize, apply this product as indicated under the heading DISINFECTION.

BACTERICIDAL ACTIVITY - At the 1 ounce per gallon dilution, this product demonstrates effective disinfectant activity against the organisms: *Pseudomonas aeruginosa*, *Salmonella choleraesuis*, *Staphylococcus aureus*, *Staphylococcus aureus* (clinical isolate), *Bordetella bronchiseptica*, *Corynebacterium ammoniagenes*, *Enterobacter aerogenes*, *Enterobacter cloacae*, *Enterobacter cloacae* (clinical isolate), *Enterococcus faecalis*, *Enterococcus faecalis* (clinical isolate), *Escherichia coli*, *Escherichia coli* (clinical isolate), *Fusobacterium necrophorum*, *Klebsiella pneumoniae* subsp. *pneumoniae*, *Lactobacillus casei* subsp. *rhamnosus*, *Listeria monocytogenes*, *Pasteurella multocida*, *Proteus vulgaris*, *Proteus mirabilis* ATCC 9921, *Proteus mirabilis* ATCC 25933, *Salmonella choleraesuis* subsp. *choleraesuis* serotype paratyphi B, *Salmonella choleraesuis* subsp. *choleraesuis* serotype typhi, *Salmonella choleraesuis* subsp. *choleraesuis* serotype typhimurium, *Salmonella choleraesuis* subsp. *choleraesuis* serotype pullorum, *Serratia marcescens*, *Shigella sonnei*, *Shigella flexneri* Type 2b, *Shigella dysenteriae*, *Staphylococcus aureus* subsp. *aureus*, *Staphylococcus epidermidis*, *Staphylococcus epidermidis* (clinical isolate), *Streptococcus pyogenes* (Clinical - Flesh Eating Strain BIRD M3), *Streptococcus pyogenes* Group A, *Xanthomonas maltophilia* (clinical isolate), Vancomycin resistant *Enterococcus faecalis* (VRE), Methicillin resistant *Staphylococcus aureus* (MRSA), Vancomycin intermediate resistant *Staphylococcus aureus* (VISA), Community Associated Methicillin resistant *Staphylococcus aureus* (CA-MRSA) NRS 123 Genotype USA400, and Community Associated Methicillin resistant *Staphylococcus aureus* (CA-MRSA) NRS 384 Genotype USA300. **MILDEWSTAT** - To control mold and mildew (such as *Aspergillus niger*) and the odors they cause on pre-cleaned, hard, non-porous inanimate surfaces add 1 ounce of this product per gallon of water. Apply solution with a cloth, mop or sponge 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 1 ounce per gallon dilution, this product is fungicidal against the pathogenic fungi, *Trichophyton mentagrophytes* (Athlete's Foot Fungus) and *Candida albicans*. Apply solution with a cloth, sponge or hand pump trigger sprayer to hard, nonporous 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, then remove excess liquid. Diluted product should be applied daily or more frequently with heavy facility use.

* **VIRUCIDAL ACTIVITY** - This product when used on environmental, inanimate, hard, non-porous surfaces exhibits effective virucidal activity against HIV-1, HIV-2, Hepatitis B virus (HBV), Hepatitis C virus (HCV), Herpes Simplex Type 1 (causative agent of fever blisters), Herpes Simplex Type 2 (genital), Influenza A /Hong Kong, Vaccinia, Rotavirus, Pseudorabies, Bovine Rhinotracheitis, Feline Leukemia, Feline 2 Picornavirus, and Canine Distemper. Add 1 ounce of the product per gallon of water. For heavily soiled areas, a pre-cleaning step is required. Apply solution with a cloth, mop, sponge, hand pump trigger sprayer or low pressure coarse sprayer so as to wet all surfaces thoroughly. Allow the surface to remain wet for 10 minutes, then remove excess liquid. **KILLS HIV-1, HIV-2, 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 or Type 2 (HIV-1 or HIV-2) (associated with AIDS), Hepatitis B virus (HBV), and Hepatitis C virus (HCV).

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HIV-2, HBV, and HCV 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, or 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 AND *VIRUCIDE AGAINST THE LISTED ORGANISMS IN WATER HARDNESS UP TO 400 PPM HARDNESS (AS CaCO₃) IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM). THIS PRODUCT IS AN EFFECTIVE FUNGICIDE AGAINST THE LISTED FUNGI IN WATER UP TO 200 PPM HARDNESS (AS CaCO₃) IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM) 3

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