



MICRO-CHEM PLUS

Detergent Disinfectant Cleaner

DESCRIPTION

This product is designed to provide effective cleaning, deodorization and disinfection⁴ specifically for institutional facilities, patient care facilities, schools, food processing plants², food establishments², transportation terminals, automotive garages, office buildings, manufacturing facilities, hotels, motels, retail establishments, athletic facilities and recreational facilities where housekeeping is of prime importance in reducing the hazard of cross contamination. This product cleans, shines, deodorizes and disinfects⁴ hard non-porous surfaces listed on the label. It inhibits the growth of mold and mildew, leaving bathrooms and kitchens clean and fresh smelling. This product is a non-scratch cleaner of 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. This Product is effective against SARS-CoV-2 virus⁵ responsible for the severe acute respiratory syndrome (COVID-19) on hard non-porous surfaces in just 1 minute!

²Non-food contact surfaces only. ⁴When used according to disinfection directions. ⁵Severe Acute Respiratory Syndrome Coronavirus 2

PRODUCT FEATURES / BENEFITS

- Hospital grade / Insures complete broad spectrum disinfecting
- Dual-quat / Residual bacteriocidal action
- Kills AIDS virus / Reduces danger of contamination from hard surfaces
- Biodegradable, phosphate free / Environmentally responsible
- Multiple applications / Variety of uses for both institutional and industrial areas

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 device surfaces. Surfaces which may contact food must be rinsed thoroughly with potable water after use.

DISINFECTION - To disinfect inanimate, hard, non-porous surfaces add 2 fluid 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 visibly wet for 10 minutes or 1 minute for SARS-CoV-2, then remove excess liquid. **BACTERICIDAL STABILITY OF USE-DILUTION:** Efficacy tests confirm that this product when diluted as directed remains effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus* and *Salmonella enterica* for up to 30 days when stored in a sealed container such as a spray bottle. If the diluted product becomes visibly dirty or contaminated, it must be discarded and fresh diluted product must be prepared. Always use clean, properly labeled containers when diluting this product. Bacteriocidal stability of the diluted product does not apply to open containers such as buckets or pails. **To disinfect toilet bowls:** Visible soil must be cleaned prior to disinfection, flush toilet, add 2 fluid 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. **To disinfect food processing premises:** Before using this product, food products and packaging materials must be removed from the area or carefully protected. For floors, walls and storage areas, add 2 fluid ounces of this product per gallon of water. For visibly 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 visibly wet for 10 minutes, then remove excess liquid. After use, all surfaces in the area must be thoroughly rinsed with potable water. **To disinfect food service establishment food contact surfaces:** Before using this product, food products and packaging materials must be removed from the area or carefully protected. For countertops, appliances, tables, add 2 fluid ounces of this product per gallon of water. For visibly soiled areas, a pre-cleaning step is required. Apply solution with a cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer so as to wet all surfaces thoroughly. Allow the surface to remain visibly 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.

BACTERICIDAL ACTIVITY - When diluted at the rate of 2 fluid ounces per gallon of water, this product exhibits effective, one step²⁴ disinfectant activity against the organisms: *Brevibacterium ammoniagenes*, *Klebsiella aerogenes*, *Escherichia coli*, *Klebsiella pneumoniae*, *Methicillin resistant Staphylococcus aureus* (MRSA), *Pseudomonas aeruginosa*, *Salmonella enterica*, *Salmonella schottmuelleri*, *Shigella dysenteriae*, *Staphylococcus aureus*, *Streptococcus faecalis*, *Streptococcus pyogenes*, *Streptococcus salivarius*, *Vancomycin intermediate resistant Staphylococcus aureus* (VISA), *Klebsiella pneumoniae* New Delhi Metallo-Beta Lactamase (NDM-1) Carbapenem Resistant, *Acinetobacter baumannii*, *Enterococcus faecium*, *Vancomycin resistant Enterococcus faecalis* (VRE) and meets all requirements for hospital use.

FUNGICIDAL ACTIVITY - At the 2 fluid ounces per gallon dilution, this product is also fungicidal against the pathogenic fungi, *Trichophyton interdigitale* (causative agent of Athlete's Foot Fungus) (a cause of ringworm), 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 fluid ounces per gallon of water, exhibits effective virucidal activity against Influenza A2 Virus, Herpes Simplex Virus Type 1 (causative agent of fever blisters), Adenovirus Type 2 (causative agent of upper respiratory infections), Vaccinia Virus (representative of the Pox virus group), Human Coronavirus, Human Immunodeficiency Virus Type 1 (HIV-1), Hepatitis B Virus (HBV), Hepatitis C Virus (HCV), Norovirus (Norwalk Virus), Bovine Viral Diarrhea Virus (BVDV), Feline calicivirus (FCV), SARS Associated Coronavirus, Porcine Respiratory and Reproductive Syndrome Virus (PRRSV), Avian Influenza A Virus, and SARS-CoV-2 Virus. 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 visibly 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). MILDEWSTAT** - To control mold and mildew on pre-cleaned, hard, non-porous surfaces, add 2 fluid 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. **DEODORIZATION** - To deodorize, apply this product as indicated under the heading DISINFECTION. **GENERAL CLEANING** - Apply this product to soiled area with a mop, cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer. This product can be diluted at 2 fluid ounces per gallon or applied at full strength. Thoroughly wet soiled surface and scrub as necessary.

SPECIFICATIONS

Color	Yellow
Odor	Citrus
Active Ingredients	Dual Quaternary
pH Concentrate	11.8 ± 0.3
pH (1:64)	10.9 ± 0.3
Specific Gravity (g/cc).....	1.04 ± 0.01
Density (lbs/gal)	8.7 ± 0.1
Upper Cloud	> 130°F
Lower Cloud	< 33°F

Viscosity (cps)	15
Cleaning Agents	All Synthetic
Virucidal	Yes
Fungicidal	Yes
Bactericidal	Yes
Mildewstat	Yes
Cleaning	Excellent
Deodorizing	Excellent
Disinfecting	Broad Spectrum
Shelf Life	1 year minimum in original unopened container

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.



DISINFECTANT



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