



# MICRO-CHEM PLUS

## Detergent Disinfectant Cleaner

### DESCRIPTION

A phosphate free, multi-purpose, detergent disinfectant cleaner designed for controlling the hazard of cross contamination. This product offers exceptional cleaning properties while featuring broad spectrum disinfecting. Non-ionic & cationic detergents, chelating agents, water softeners, and deionized water are blended together to insure effective bactericidal, fungicidal and virucidal properties in the presence of organic soil (5% blood serum). Kills the AIDS virus

### 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

This product is a phosphate free formulation designed to provide effective cleaning, deodorizing and disinfection specifically for hospitals, nursing homes, schools, food processing plants, food service establishments and other institutions where housekeeping is of prime importance in controlling the hazard of cross contamination. This product, when used as directed, is formulated to disinfect inanimate hard surfaces such as walls, floors, sink tops, toilet bowls, tables, chairs, telephones, and bed frames. For larger areas such as operating rooms, patient care facilities and restrooms, 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 will kill the following organisms at 2 ounces per gallon of water: Pseudomonas aeruginosa PRD 10, Escherichia coli, Klebsiella pneumoniae, Salmonella schottmuelleri, Salmonella choleraesuis, Streptococcus salivarius, Brevibacterium ammoniagenes, Streptococcus faecalis, Shigella dysenteriae, Enterobacter aerogenes and Staphylococcus aureus and meets all requirements for hospital use. Will be fungicidal at 2 ounces per gallon of water against the pathogenic fungi, Trichophyton mentagrophytes. Will be virucidal at 2 ounces per gallon of water 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), and Vaccinia virus (representative of the pox virus group), also, HIV-1 (associated with AIDS).

**DISINFECTION-** To disinfect inanimate, hard surfaces add 2 ounces of this product per gallon of water. Apply solution with a mop, cloth, sponge or mechanical 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. 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-** Diluted at the rate of 2 ounces per gallon of water.

**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 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-** Dilute at the rate of 2 ounces per gallon of water.

**EFFICACY TESTS HAVE DEMONSTRATED THAT THIS PRODUCT IS AN EFFECTIVE BACTERICIDE, FUNGICIDE, AND VIRUCIDE, IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).**

**VIRUCIDAL ACTIVITY-** This product when used on environmentally, inanimate hard surfaces at 2 ounces per gallon of water exhibits effective virucidal activity. **KILLS HIV 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).

**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 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.

### SPECIFICATIONS

Color ..... Yellow  
 Odor ..... Citrus  
 Active Ingredients ..... Dual Quaternary  
 pH Concentrate ..... 11.5 ± 0.2  
 Specific Gravity (gr/cc) ..... 1.036  
 Density (lbs/gal) ..... 8.6 ± 0.2  
 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

**STATEMENT OF PRACTICAL TREATMENT:** In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For Eyes, call a physician. Remove and wash contaminated clothing before reuse. If Swallowed, drink egg whites or gelatin solution, or if these are not available drink large quantities of water. Avoid alcohol. Call a physician immediately.

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

Registered with the Environmental Protection Agency.  
 Authorized by USDA for use in federally inspected meat and poultry plants.  
 For Sale To, Use and Storage By Service Personnel



HMIS HAZARD CODE	
2	HEALTH
0	FLAMMABILITY
0	REACTIVITY
0	PERSONAL PROTECTION



401 N. 10th Street • Philadelphia, PA 19123  
 1-800-NAT-CHEM • 215-922-1200 • FAX: 215-922-5517  
 www.nclonline.com • e-mail:info@nclonline.com