

**GENERAL DESCRIPTION**

This non-alkaline phenolic germicidal detergent is a state-of-the-art, concentrated scientifically developed product effective in hard or soft water even in the presence of organic soil (5% blood serum). The use-solution of this product, when diluted 1/2 oz/gal of water is specifically formulated to clean, disinfect and deodorize in a simple one-step process. With its non-alkaline base, it removes soap scum and hard water salts which can harbor bacteria. Use this product on washable, hard nonporous environmental surfaces: floors, walls in the healthcare facilities, hospitals, medical and dental offices.

**This product is not for use in the neonatal (newborn) units in hospitals, specifically isolettes and other infant contact surfaces.**

Use for one-step cleaning, disinfecting and deodorizing of stainless or galvanized steel and chrome, procelain, plastics, glass, glazed tile, washable painted or varnished surfaces, as well as resilient vinyl, linoleum, rubber and glazed concrete and terrazzo.

*NOTE: This product is not to be used as a terminal sterilant or high-level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but does not ordinarily penetrate the blood barrier of otherwise normally sterile areas of the body.*

**FEATURES**

- Advanced phenolic formula
- Contains a non-alkaline detergent
- Hard water (400 ppm as CaCO<sub>3</sub>) effective
- 5% serum effective
- Three-in-one product

**BENEFITS**

- Broad-spectrum, Methicillin-Resistant Staphylococcus Aureus (MRSA), tuberculocidal and virucidal, including HIV (AIDS)
- Excellent cleaning results
- Disinfection assured in most tap waters
- Bactericidal, fungicidal, tuberculocidal and virucidal in the presence of organic soil
- Cleans, disinfects and deodorizes in one step

**TYPICAL PHYSICAL PROPERTIES**

Form.....	Liquid
Type.....	Germicidal detergent
Color.....	Straw
Odor.....	Mild
Typical pH (concentrate).....	1.0
Typical specific gravity.....	1.108

**GERMICIDAL PROPERTIES**

When tested against *Staphylococcus aureus* (ATCC 6538), *Salmonella enterica* (ATCC 10708), *Pseudomonas aeruginosa* (ATCC 15442), LpH se detergent passes the Association of Official Analytical Chemists (AOAC) Germicidal Use-Dilution Test when diluted with 400 ppm AOAC hard water to make a 1:256 (1/2 oz/gal) solution in the presence of 5% organic soil (serum), 10 minutes at 20°C (68°F).

## GERMICIDAL PROPERTIES: BROAD SPECTRUM DATA

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The following additional organisms pass the AOAC Use-Dilution Test in 400 ppm AOAC hard water at a dilution of 1:256 (1/2 oz/gal) in the presence of 5% organic soil (serum), 10 minutes at 20°C (68°F):

<i>Acinetobacter calcoaceticus</i>	ATCC 19606
<i>Candida albicans</i> , clinical isolate	
<i>Candida parapsilosis</i> , clinical isolate	
<i>Citrobacter freundii</i>	ATCC 8090
<i>Enterobacter aerogenes</i>	ATCC 13048
<i>Enterobacter cloacae</i>	ATCC 23355
<i>Escherichia coli</i>	ATCC 25922
<i>Klebsiella pneumoniae</i>	ATCC 13883
<i>Proteus mirabilis</i> , clinical isolate	
<i>Proteus vulgaris</i>	ATCC 13315
<i>Pseudomonas aeruginosa</i>	ATCC 27853
<i>Salmonella typhi</i>	ATCC 6539
<i>Salmonella typhimurium</i>	ATCC 14028
<i>Serratia marcescens</i>	ATCC 8100
<i>Shigella flexneri</i>	ATCC 12022
<i>Shigella sonnei</i>	ATCC 25931
<i>Staphylococcus aureus</i>	ATCC 25923
<i>Staphylococcus aureus</i> (MRSA), Multiply Methicillin-resistant clinical isolate	
<i>Staphylococcus epidermidis</i>	ATCC 12228
<i>Streptococcus faecalis</i>	ATCC 19433
<i>Streptococcus pyogenes</i>	ATCC 19615

## FUNGICIDAL PROPERTIES

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When tested against *Trichophyton mentagrophytes* (ATCC 9533), it passes the AOAC Fungicidal Test when diluted with 400 ppm AOAC hard water to make a 1:256 (1/2 oz/gal) solution in the presence of 5% organic soil (serum), 10 minutes at 20°C (68°F).

## TUBERCULOCIDAL PROPERTIES

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When tested against *Mycobacterium tuberculosis* var. *bovis* BCG (ATCC 35743), it passes the AOAC Tuberculocidal Test when diluted with 400 ppm AOAC hard water to make a 1:256 (1/2 oz/gal) solution in the presence of 5% organic soil (serum), 10 minutes at 20°C (68°F).

## VIRUCIDAL PROPERTIES

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When tested against *Influenza A<sub>2</sub>* (Japan) (Clinical Isolate), *Herpes simplex* type 2 (ATCC VR 734), *Vaccinia* virus (Clinical Isolate) and *Adenovirus* type 2 (ATCC VR 846), it passes the Virucidal Assay (Environmental Protection Agency [EPA] Proposed Method) when diluted with 400 ppm AOAC hard water to make a 1:256 (1/2 oz/gal) solution in the presence of 5% organic soil (serum), 10 minutes at 20°C (68°F).

When tested by an EPA-approved dilution method, the HIV-1 (AIDS) virus (Clinical Isolate) with added 5% organic soil (serum) was completely inactivated by a 1:256 (1/2 oz/gal) solution in 400 ppm AOAC hard water in 60 seconds at 20°C (68°F). Although efficacy at a one-minute contact time has been shown to be adequate against HIV-1, this time is not sufficient for other organisms. Use a 10-minute contact time for disinfection against all of the organisms claimed.

## **DIRECTIONS FOR USE**

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### **Cleaning and Disinfecting Washable Hard, Nonporous Surfaces**

To make solution, add 1/2 fl oz (15 cc) to each premeasured gallon of water and gently mix until solution is uniform. Always add this product (concentrate) to premeasured water. Apply solution with a cloth, sponge, mop, brush or by coarse spray using normal cleaning methods. Allow treated surfaces to soak for 10 minutes, then remove excess solution with a wrung-out applicator. As solution becomes dirty, discard and replace with a fresh one. A properly prepared solution of LpH se germicidal detergent intended for use as a hard surface disinfectant has a shelf life of 14 days (use life) when stored in a closed container such as a spray bottle. This is a complete product. Do not add other chemicals. If frozen, thaw and remix before use. Use only as directed on the label.

### **Special Instructions for Cleaning and Decontamination Against HIV-1 (Human Immunodeficiency Virus or AIDS Virus) of Surfaces/Objects Soiled with Blood/Body Fluids**

**Personal protection:** Wear appropriate barrier protection, such as latex gloves, gowns, masks or eye coverings.

**Cleaning procedure:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of a 1:256 (1/2 oz/gal) use solution. Prepare and apply solution as directed in paragraph above.

**Contact time:** While the HIV-1 virus is inactivated in one minute, use a 10-minute contact time for disinfection of all organisms on product label.

**Infectious material disposal:** Blood and other body fluids must be autoclaved and disposed of according to local regulations for infectious disposal.

## **STORAGE**

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### **Prohibition**

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

## **SERVICE**

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### **Sales**

Service is one of the most important ways to verify consistent quality of the facility's performance and operation. A tailored service program by STERIS provides effective, trouble-free operations.

### **Technical**

Contact STERIS for information regarding product applications, the product in general or copies of MSDS. For information regarding human and environmental exposure, call STERIS's St. Louis operations regulatory affairs group at 314-535-1395.

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**For further information, please contact:**

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