



GENERAL DESCRIPTION

Vesphene Ilse Germicidal Detergent is a research developed one-step disinfectant, cleaner and deodorizer. It contains selected synthetic phenols blended with biodegradable synthetic detergents and builders.

Vesphene Ilse Germicidal Detergent is an effective one-step cleaner when diluted one ounce per one gallon (0.8% v/v) with soft water, or hard water up to 400 ppm hardness (as CaCO₃) in the presence of 5% blood serum. Use this product for easy cleaning and disinfecting of all washable hard, non-porous environmental surfaces such as floors, walls, woodwork, bathroom fixtures, equipment and furniture. It may be used for cleaning and disinfecting chrome, stainless steel, other metal surfaces, porcelain, glass, tile, washable painted or varnished surfaces, as well as resilient vinyl, asphalt, linoleum, terrazzo or other combination-type floors.

This germicidal detergent is intended for use in institutions such as industrial plants, veterinary clinics, pharmaceutical plants and other indoor areas where disinfection, cleaning and deodorizing are a necessity.

This product is not to be used as a 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

Hard water effective (400 ppm CaCO₃)
5% serum effective
Advanced detergent system
Advanced phenolic formula kills a range of gram-positive, gram-negative, and acid fast bacilli. Fungicidal and virucidal including HIV-1 (AIDS) virus

BENEFITS

Disinfection verified in most tap waters
Cleaning and disinfection accomplished in one step
Provides superior cleaning ability while disinfecting
Verification of germicidal activity even against TB bacteria

PHYSICAL PROPERTIES

Form..... Clear, red liquid
Odor..... Mild and pleasant
Specific gravity (25°C [77°F]) 1.10 typical
pH (concentrate) 12.3 typical
pH (0.8% dilution) 10.6 typical

BACTERICIDAL PROPERTIES

The official test for determining the germicidal efficacy of a one-step cleaner disinfectant is the Use-Dilution Method as stated in the Association of Official Analytical Chemists (AOAC) *Methods of Analysis*. Vesphene Ilse detergent concentrate diluted one ounce per gallon (0.8% v/v) in 400 ppm (as CaCO₃) hard water is effective against the following microorganisms in the presence of 5% blood serum in 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, Clinical Isolate</i>	
<i>Proteus vulgaris</i>	ATCC 13315
<i>Pseudomonas aeruginosa</i>	ATCC 15442
<i>Pseudomonas aeruginosa</i>	ATCC 27853
<i>Pseudomonas cepacia</i>	ATCC 25416
<i>Salmonella choleraesuis</i>	ATCC 10708
<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 6538
<i>Staphylococcus aureus</i>	ATCC 25923
<i>Staphylococcus aureus (MRSA), Multiply (Methicillin)-Resistant Clinical Isolate</i>	
<i>Staphylococcus epidermidis</i>	ATCC 12228
<i>Streptococcus faecalis</i>	ATCC 19433
<i>Streptococcus pyogenes</i>	ATCC 19615

FUNGICIDAL PROPERTIES

An official test for determining the fungicidal efficacy of a one-step cleaner disinfectant is the Fungicidal Test method as described in the *AOAC Methods of Analysis*, and modified as required by Environmental Protection Agency (EPA) regulations. Vesphene Ilse detergent concentrate diluted one ounce per gallon (0.8% v/v) in 400 ppm (as CaCO₃) hard water is effective against *Trichophyton mentagrophytes* in the presence of 5% blood serum in 10 minutes at 20°C (68°F).

TUBERCULOCIDAL PROPERTIES

Vesphene Ilse germicidal detergent passes the *AOAC Tuberculocidal Test [Mycobacterium tuberculosis var. bovis (BCG)]* when diluted one ounce per gallon (0.8% v/v) with 400 ppm AOAC hard water in the presence of 5% organic soil (serum), 10 minutes at 20°C (68°F).

VIRUCIDAL PROPERTIES

Influenza A₂ (Japan), Herpes Simplex Type 2, Vaccinia and Adenovirus Type 2 in the presence of 5% blood serum were inactivated by Vesphene Ilse Germicidal Detergent diluted one ounce per gallon (0.8% v/v) with 400 ppm (as CaCO₃) hard water using the EPA accepted glass slide procedure, 10 minutes at 20°C (68°F).

When tested by an EPA approved dilution method, a dried film of HIV-1 (AIDS) virus, with added 10% organic soil (serum) was completely inactivated by a one ounce per gallon (0.8% v/v) solution of Vesphene Ilse detergent in 400 ppm AOAC hard water in one minute at 20°C (68°F). Although efficacy at one minute contact time has been shown to be adequate for HIV-1, this time would not be sufficient for other organisms. Use a 10-minute contact time for all organisms.

DIRECTIONS FOR USE

Cleaning and Disinfecting Washable, Hard, Non-Porous Surfaces

Add one fluid ounce to each measured gallon (0.8% v/v) of water used. Always add this product to premeasured water. Thoroughly mix solution until uniform. Apply solution with a cloth, sponge, mop or brush using normal cleaning methods. Thoroughly wet all surfaces to be cleaned, then remove excess solution with a wrung-out applicator. Treated surfaces should remain wet for 10 minutes. Remove gross filth mechanically by sweeping before cleaning begins. Discard solution daily, or when it becomes dirty, and replace with fresh solution. A properly prepared solution of Vesphene Ilse Germicidal Detergent intended for use as a hard surface disinfectant has a shelf life of 14 days (use life) in a closed container such as a spray bottle. This is a complete product. Do not add other chemicals. Use only as directed on the label.

STORAGE AND DISPOSAL

Storage

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty containers. This product should be stored in an area where it is not exposed to extreme temperatures.

Disposal

This germicide, its solutions, or rinsings from empty containers, should be disposed of in a toilet or service sink served by a sanitary sewer, or in a landfill approved for pesticides. Triple rinse and deposit in a waste container for incineration, or in a landfill approved for pesticide containers. Consult federal, state or local disposal authorities for approved alternative procedures, such as limited open burning.

SERVICE

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

STERIS is pleased to provide a completely staffed and equipped technical service laboratory capable of performing needed tests and providing telephone support, telephone and video conferencing, and on-site assistance when needed. More details on how this service can benefit a facility's particular situation can be provided upon request.

PRECAUTIONS

Information concerning human and environmental exposure may be reviewed on the Material Safety Data Sheet (MSDS) for the product. For additional information regarding incidents involving human and environmental exposure, call 1-314-535-1395.

For further information, please contact:

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