STERIS
Life Sciences

VESPHENE™ IIIse PHENOLIC DISINFECTANT

TECHNICAL DATA

GENERAL DESCRIPTION

Vesphene™ IIIse Phenolic Disinfectant is an alkaline germicidal detergent designed to be an effective one-step disinfectant cleaner when diluted using one fl oz/gal (0.8% v/v or 1:128) with soft or hard water to 400 ppm hardness and in the presence of 5% blood serum.

Vesphene IIIse Phenolic Disinfectant is intended for use as a disinfectant on washable hard, non-porous environmental surfaces such as floors, walls, counters, tools, carts, and other equipment in pharmaceutical, medical device, and cosmetic manufacturing facilities. Use the use-dilution for cleaning and disinfection of hard, non-porous surfaces such as metal surfaces such as stainless or galvanized steel and chrome, glazed porcelain, plastics, glass, glazed tile, washable painted or varnished surfaces, sealed concrete, as well as resilient vinyl, asphalt, linoleum, rubber, terrazzo, or other combination-type floors.

FEATURES	BENEFITS
Advanced phenolic formula that kills a range of gram-positive, gram-negative, and acid fast bacilli. Both fungicidal and virucidal activity, including against Human Immunodeficiency Virus (HIV-1)	Broad spectrum germicidal activity, including tuberculosis (TB), bacteria, and Human Immunodeficiency Virus (HIV-1)
Hard water (400 ppm as $CaCO_3$) effective	Disinfection verified in most tap waters
5% organic soil (serum) effective	Proven effective in simulated use conditions

PHYSICAL PROPERTIES

Form	Clear, light amber to dark brown (may have greenish tint)
Odor	Mild and characteristic
Specific Gravity (25°C [77°F])	1.11, typical
Typical pH (Undiluted)	Approx. 12.5
Typical pH (1:128 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 IIIse Phenolic Disinfectant diluted 1:128 in 400 ppm ($CaCO_3$) hard water is effective against the following microorganisms in the presence of 5% blood serum, 10 minutes at 20°C.

Acinetobacter baumannii	ATCC 19606
Burkholderia cepacia	ATCC 25416
Enterobacter cloacae	ATCC 13047
Escherichia coli	ATCC 25922
Listeria monocytogenes	ATCC 19111
Micrococcus yunnanensis	ATCC 7468
Mycoplasma gallispeticum	ATCC 15302
Pseudomonas aeruginosa	ATCC 15442
Serratia marcescens	ATCC 14756
Staphylococcus aureus	ATCC 6538
Staphylococcus epidermidis	ATCC 12228
Streptococcus pyogenes	ATCC 19615

FUNGICIDAL PROPERTIES

The official test for determining the fungicidal efficacy of a one-step cleaner disinfectant is the AOAC Fungicidal Method as described in the AOAC Methods of Analysis and modified as required by Environmental Protection Agency (EPA) regulations. Vesphene IIIse Phenolic Disinfectant diluted 1:128 in 400 ppm (as $CaCO_3$) hard water is effective against *Trichophyton interdigitale* (ATCC 9533) and *Candida albicans* (ATCC 10231) in the presence of 5% blood serum, 10 minutes at 20°C.

TUBERCULOCIDAL PROPERTIES

Vesphene IIIse Phenolic Disinfectant passes the AOAC Tuberculocidal Test Method 965.12 (*Mycobacterium tuberculosis var. bovis* [BCG]) when diluted 1:128 with 400 ppm AOAC hard water in the presence of 5% organic soil (serum), 10 minutes at 20°C.

VIRUCIDAL PROPERTIES

When using the EPA Proposed Method (ASTM 1053-11), Vesphene IIIse Phenolic Disinfectant is effective against the following viruses at a 1:128 dilution in 400 ppm hard water and 5% serum in 10 minutes at 20°C.

Human Immunodeficiency Virus Type 1 (HIV-1)

Influenza A2 (H2N2) A/2/Japan/305/57 (Charles River Laboratories)

Adenovirus Type-2 Strain (ATCC VR 846)

Avian Influenza A Virus Strain (H9N2)

Feline Calicivirus, Strain: F9 (ATCC VR-782) (Surrogate for Human Norovirus)

DIRECTIONS FOR USE

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

Cleaning and Disinfecting Washable, Hard, Non-Porous Surfaces

To make one gallon of solution, pre-measure one gallon of water, remove one fl oz (30 cc) of water and replace with one fl oz of product (Vesphene IIIse Phenolic Disinfectant). Gently mix until solution is uniform. **NOTE**: Always add this product (concentrate) to pre-measured water. Apply solution with a cloth, sponge, mop, brush, or coarse spray using normal cleaning methods. Allow treated surfaces to remain wet for 10 minutes, then remove excess solution with a wrung out applicator. A properly prepared solution of this product is intended for use as a hard surface disinfectant. Make daily preparation, but when planning to store preparation up to 35 days, dilute product with deionized water. Before cleaning begins, always sweep or dust mop area to be cleaned thoroughly, removing any gross filth. This is a complete product. Do not add or dilute with other chemicals. If frozen, thaw and re-mix before use. Use only as directed.

Kills HIV on precleaned environmental surfaces/objects previously soiled with blood and bodily fluids *in settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or bodily fluids, and which the surfaces/objects likely to be soiled with blood or bodily fluids can be associated with potential for transmission of human immunodeficiency virus Type HIV-1 (associated with AIDS).*

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

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

Cleaning Procedure: Blood and other bodily fluids must be thoroughly cleaned from surfaces and objects before application of a 1:128 use-solution (one ounce per one gallon). Prepare and apply solution as directed in paragraph above.

Contact Time: HIV-1 virus is inactivated in 10 minutes.

Infectious Materials Disposal: Blood and other bodily fluids should be autoclaved and disposed of according to local regulations for infectious disposal.

STORAGE AND DISPOSAL

Do not contaminate food, feed, or water by storage or disposal.

Pesticide Storage

Do not store near heat or open flame. If frozen, thaw and remix before use.

Pesticide Disposal

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to the label instructions, contact your state Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal

(For Packet:) Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available, or dispose in sanitary landfill or by other procedures approved by state and local authorities.

(For <5 gal:) Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available, or dispose in sanitary landfill or by other procedures approved by state and local authorities. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank to store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

(For >5 gal:) Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available, or dispose in sanitary landfill or by other procedures approved by state and local authorities. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

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 both telephone 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 Safety Data Sheet (SDS) 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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