



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

January 29, 2020

Jennifer Pavlovsky
Manager Regulatory Affairs
STERIS Corporation
P.O. Box 147
St. Louis, MO 63166-0147

Subject: Notification per PRN 98-10 –Updating the Environmental Hazard Statement and clarifying the viruses under the Germicidal, *Virucidal section. Plus, updating Directions for Use section of the master label.
Product: LpH® III se Phenolic Disinfectant
EPA Registration Number: 1043-127
Application Date: August 26, 2019
Decision Number: 555553

Dear Ms. Pavlovsky:

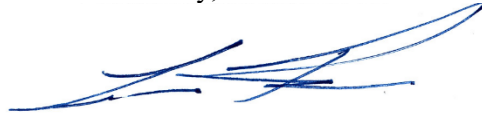
The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The label submitted with the application has been stamped “Notification” and will be placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

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If you have any questions, you may contact Lorena Rivas at 703-305-5027 or via email at rivas.lorena@epa.gov.

Sincerely,

A handwritten signature in blue ink, consisting of several overlapping, fluid strokes that form a cursive-style name.

For
Jacqueline Hardy, Product Manager 34
Regulatory Management Branch II
Antimicrobials Division (7510P)
Office of Pesticide Programs

Enclose: Stamped label

LpH[®] III se Phenolic Disinfectant

Reorder Number: XXX

Net Contents: XXX

Germicide • Fungicide • Virucide* • Tuberculocide • Deodorizer • Cleaner • Detergent

[When diluted with soft or hard water (400 ppm CaCO₃) even in the presence of organic soil (5% serum)]

INTENDED FOR INDUSTRIAL AND INSTITUTIONAL USE

NOTIFICATION

1043-127

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

Active Ingredients:

o-phenylphenol.....6.00%

o-benzyl-p-chlorophenol.....13.00%

Inert Ingredients:81.00%

Total:100.00%

01/29/2020

EPA Reg. No. 1043-127 [EPA Est. No. 211-KS-001] [EPA Est. No. 1043-MO-2] [EPA Est. No. 11563-MI-1]

**KEEP OUT OF REACH OF CHILDREN
DANGER**

FIRST AID	
If in Eyes	<ul style="list-style-type: none"> •Hold eye open and rinse slowly and gently with water for 15-20 minutes. •Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eye. •Call a Poison Control Center or doctor for treatment advice.
If on Skin or Clothing	<ul style="list-style-type: none"> •Take off contaminated clothing. •Rinse skin immediately with plenty of water for 15-20 minutes. •Call a Poison Control Center or doctor for treatment advice.
If Inhaled	<ul style="list-style-type: none"> •Move person to fresh air. •If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. •Call a Poison Control Center or doctor for further treatment advice.
If Swallowed	<ul style="list-style-type: none"> •Call Poison Control Center or doctor immediately for treatment advice. •Have person sip a glass of water if able to swallow. •Do not induce vomiting unless told to do so by the Poison Control Center or doctor. •Do not give anything by mouth to an unconscious person.
HOT LINE NUMBER 1-800-424-9300	
Have the product container or label with you when calling a Poison Control Center or doctor, or going for treatment.	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage.	

See [side panel] [back panel] [insert] for additional precautionary statements [and][or][directions for use].

STERIS Corporation
7501 Page Ave.
St. Louis, MO 63133 U.S.A.
1-800-548-4873

Product Made in U.S.A.

[Brackets denote optional text.]

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS:

DANGER: Corrosive. Causes skin burns and irreversible eye damage. Harmful if swallowed or inhaled. Do not get in eyes, on skin or on clothing. Avoid vapor or spray mist. Wear goggles, face shield or safety glasses. Wear waterproof gloves, long-sleeved shirt, long pants and shoes. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARD STATEMENT: (For use on containers 5 gallons and larger) Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

This non-alkaline phenolic germicidal detergent is effective in hard or soft water even in the presence of organic soil (5% blood serum) when use-directions for disinfection are followed. The use-solution of this product when diluted per the instructions below is specially formulated to clean, disinfect and deodorize in a simple one-step process. With its non-alkaline base, it will remove soap scum and hard water salts which can harbor bacteria. Use this product on washable, hard, non-porous environmental surfaces: floors, walls, and counters in veterinary clinics, animal research facilities, healthcare facilities, hospitals, medical and dental offices.

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

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

GERMICIDAL: This product was tested using the A.O.A.C. Use-Dilution Test against *S. aureus* (ATCC 6538), *P. aeruginosa* (ATCC 15442), *T. interdigitales* (ATCC 9533), and Influenza A2 Virus ~~Strain: (H2N2)~~, A/2/Japan/305/57 when diluted with 400 ppm A.O.A.C. hard water to make a 1:128 (one ounce per one gallon) solution, in the presence of 5% organic soil (serum), 10 minutes at 20°C.

BACTERICIDAL: This product was tested using the A.O.A.C. Use-Dilution Test against *A. baumannii* (ATCC 19606), *E. coli* (ATCC 25922), *E. cloacae* (ATCC 13047), *M. luteus yunnanensis* (ATCC 7468) *S. marcescens* (ATCC 14756), *S. epidermidis* (ATCC 12228), *B. cepacia* (ATCC 25416), *L. monocytogenes* (ATCC 19111) and *S. pyogenes* (ATCC 19615) when diluted with 400 ppm A.O.A.C. hard water to make a 1:128 (one ounce per one gallon) solution, in the presence of 5% organic soil (serum), 10 minutes at 20°C.

FUNGICIDAL: This product was tested using the A.O.A.C. Fungicidal Test against *T. interdigitales* (ATCC 9533) when diluted with 400 ppm A.O.A.C. hard water to make a 1:128 (one ounce per one gallon) solution, in the presence of 5% organic soil (serum), in 10 min at 20°C. This product was tested using the A.O.A.C. Use Dilution Test against *C. albicans* (ATCC 10231) when diluted with 400 ppm A.O.A.C. hard water to make a 1:128 (one ounce per one gallon) solution, in the presence of 5% organic soil (serum), in 10 minutes at 20°C.

TUBERCULOCIDAL: This product was tested using the A.O.A.C. Tuberculocidal Test against *Mycobacterium tuberculosis* var. bovis, BCG when diluted with 400 ppm A.O.A.C. hard water to make a 1:128 (one ounce per one gallon) solution, in the presence of 5% organic soil (serum), 10 minutes at 20°C.

* **VIRUCIDAL:** This product was tested using the Virucidal Assay against Influenza A2 Virus ~~Strain: (H2N2)~~, A/2/Japan/305/57 ~~Charles River Laboratories (H2N2)~~, Adenovirus Type-2 ~~Strain: Adenoid 6-Virus~~ (ATCC VR-846), and Avian Influenza A Virus ~~Strain: A/Turkey/Wis/66, Charles River Laboratories (H9N2)~~ when diluted with 400 ppm A.O.A.C. hard water to make a 1:128 (one ounce per one gallon) solution in the presence of 5% organic soil (serum), 10 minutes at 20°C. This product was tested using the Virucidal Assay against Feline ~~Ce~~calicivirus ~~(Surrogate for Human Norovirus)~~, Strain: F9, ATCC VR-782 ~~(Surrogate for Human Norovirus)~~ when diluted with 400 ppm A.O.A.C. hard water to make a 1:64 (one ounce per 64 ounces) solution in the presence of 5% organic soil (serum), 10 minutes at 20°C.

When tested, Human Immunodeficiency Virus Type 1 Strain: III_B (the HIV-1)(AIDS) virus (Clinical Isolate), with added 5% organic soil (serum), was completely inactivated by a 1:128 (one ounce per one gallon) solution in 400 ppm A.O.A.C. hard water in 10 minutes at 20°C.

[This product has demonstrated effectiveness against influenza A virus and is expected to inactivate all influenza A viruses including Pandemic 2009 H1N1 influenza A virus. *or*
Kills Pandemic 2009 H1N1 influenza A virus formerly called swine flu.]

ODOR CONTROL: It eliminates many odors by killing odor-causing bacteria while simultaneously chemically neutralizing their odors and leaving a pleasant fragrance. Follow “**CLEANING AND DISINFECTING WASHABLE, HARD, NON-POROUS SURFACES**” directions.

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 solution, add one fluid ounce (30 cc) per each pre-measured one gallon of water [or one packet per quart (0.946 L) of water] or add one fluid ounce (30 cc) per each pre-measured 64 ounces of water for effectiveness against Feline calicivirus, and 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 by coarse spray using normal cleaning methods. Allow treated surfaces to soak for 10 minutes, then remove excess solution with a wrung-out applicator. Prepare a fresh dilution at least daily or as solution becomes dirty, discard and replace with a fresh one. 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.

Veterinary Clinics and Animal Research Facilities: Remove all animals and feed from premises, vehicles, and enclosures. Remove all litter, droppings, and manure from floors, walls, and surfaces of barns, pens, stalls, chutes, and other facilities and fixtures occupied or traversed by animals. Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate all surfaces with the disinfecting solution for a period of 10 minutes. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure. Ventilate buildings, coops, cars, boats, and other closed spaces. Do not house livestock or empty equipment until treatment has been absorbed, set, or dried. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains, and waterers with soap or detergent, and rinse with potable water before reuse.

KILLS HIV ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH

BLOOD/BODY FLUIDS in 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 **H**uman **I**mmunodeficiency **V**irus Type **1 Strain: III_B** (HIV-1) (associated with AIDS).

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: Specific barrier protection items to be used when handling items soiled with blood or body fluid are disposable latex gloves, gowns, masks and eye coverings.

Cleaning Procedure: Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of a 1:128 use-solution (one ounce per one gallon) [or one ¼ fluid ounce (7.40 ml) packet per quart (0.946 liter) of water]. Prepare and apply solution as directed in paragraph above.

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

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

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed 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 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 ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or 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 ¼ 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.

GENERAL: Consult Federal, State, or Local disposal authorities for approved alternative procedures such as limited open burning.

[Sterile unless packaging is compromised.]