



SAFETY DATA SHEET

1. Identification of the Substance and Company

LpH ag®

One-Step Cleaner Disinfectant

Product No. 6341

SDS No. 6341

Prepared by: M. Ebers

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STERIS Corporation, P. O. Box 147, St. Louis, MO 63166, US

Emergency Telephone No.1-314-535-1395 (STERIS); 1-800-424-9300 (CHEMTREC)

Telephone Number for Information: 1-800-444-9009 (Customer Service-Scientific Products)

2. Hazards Identification: Corrosive: Causes irreversible eye damage. Combustible.

3. Composition/Information on Ingredients

Hazardous Component(s)	% By Wt.	CAS No.	EU No.	Symbol	R Phrases	Oral LD50	Inhalation LC50
p-tertiary amylphenol	5 - 10	80-46-6	NA	NA	NA	1830 mg/kg (rat)	ND
#2-phenylphenol	5 - 10	90-43-7	NA	NA	NA	2700 mg/kg (rat)	>36mg/m3 /4hr (rat)
Phosphoric acid	15.0	7664-38-2	NA	NA	NA	1530 mg/kg (rat)	ND
Isopropanol (Propan-2-ol)	7.5	67-63-0	NA	NA	NA	6.48 ml/kg (rat)	>5000ppm /1 hr (rat)
Dodecylbenzene sulfonic acid	<5	68584-22-5	NA	NA	NA	ND	ND

4. First Aid Measures

Eye Contact: Flush eyes immediately with water for at least 15 minutes. Get medical attention if irritation develops.

Skin Contact: Flush skin immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops.

Inhalation: Remove patient to fresh air. If not breathing, give artificial respiration. Get medical attention.

Ingestion: Do not induce vomiting. Get medical attention. Do not give anything by mouth to an unconscious person. If conscious, drink large quantity of milk or water.

5. Fire-Fighting Measures

Conditions of Flammability/Flash Point/Auto-Ignition Temperature: 111F (44C) (Closed Cup)

(Does not support combustion) **Upper Flammable Limit:** ND **Lower Flammable Limit:** ND

Explosibility Data: ND

Extinguishing Media: Foam, CO₂.

Hazardous Combustion Products: Forced ignition of dried residues may produce CO_x and SO_x

6. Accidental Release Measures

Ensure suitable personal protection during removal of spillages. Spills should be contained and may be cautiously neutralized with sodium bicarbonate, or absorbed on appropriate material and placed in a container for disposal.

Flush spill site with large quantities of water to a sanitary sewer. Washings should be prevented from entering surface water/storm drains. Local regulations should be observed.

7. Handling and Storage

7.1 Handling: Product will withstand an occasional accidental freezing. It must be thoroughly thawed and agitated (roll drum) before being used.

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

8. Exposure Control/Personal Protection

8.1 Occupational Exposure Limits

Isopropanol : ACGIH TLV = 200 ppm; ACGIH STEL = 500 ppm; OSHA PEL = 400 ppm

Phosphoric acid: ACGIH TLV, OSHA PEL = 1 mg/m³; ACGIH STEL, OSHA STEL = 3 mg/m³

8.2 Personal Protection

Respirator Protection: Not required.

Eye Protection: Safety glasses or goggles.

Protective Gloves: Rubber

Other Protective Clothing and Equipment: NA

Engineering Controls/Ventilation: Adequate ventilation to maintain air concentrations below established limits.

9. Physical and Chemical Properties

Solubility in Water: Complete

Specific Gravity: Approximately 1.108

Physical State/Appearance/Odor: Yellow to amber liquid/Mild and pleasant odor.

pH: (Concentrate): Approximately 1.0 **(1:256 solution):** 2.6

Odor Threshold, Vapor Pressure, Vapor Density, Evaporation Rate, Boiling Point and Freezing Point: ND

Coefficient of Water/Oil Distribution: ND

10. Stability and Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur.

Incompatible Materials: Strong oxidizers and alkaline chemicals.

Conditions to Avoid/Conditions of Reactivity: None known.

Hazardous Decomposition or Byproducts: Forced ignition of dried residues may produce CO_x and SO_x

11. Toxicological Information

11.1 Acute (Primary Routes of Exposure)

Eyes (Irritancy): Causes irreversible eye damage.

Skin (Irritancy or Sensitization): Concentrate severely irritating to skin.

Inhalation: Inhalation toxicity >62ml/l @ 1:256 for 4 hours. Mists of use-solution may be irritating to nasal passages and lungs.

Ingestion: Oral LD₅₀ = 6,000 mg/kg (male rat); 4,330 mg/kg (female rat). Will cause upset to stomach.

11.2 Long Term Exposure

Carcinogenicity: IARC, NTP and OSHA do not list this product or its ingredients as carcinogens. 2-phenylphenol produced urinary bladder tumors in male rats and liver tumors in male mice when fed exaggerated doses.

Reproductive Toxicity/Teratogenicity/Mutagenicity/Toxicologically Synergistic Products: ND

12. Ecological Information:

None available

13. Disposal Considerations: Do not contaminate ponds, waterways, or ditches with chemical or used containers. Empty containers should be rinsed thoroughly and discarded in an appropriate waste container. [Containers may be offered for reconditioning/recycling.] Empty containers should not be used for other purposes. Unused material may be a hazardous waste due to its low pH and subsequent corrosivity. Disposal of wanted product should be done in accordance with local, state or national legislation. Product may be flushed to a sanitary sewer with copious amounts of water, if in accordance with state, local and federal regulations. For additional guidance, contact the State Water Board or the Regional Office of the EPA.

14. Transport Information: Ground/Air/Sea:

Non-hazardous

15. Regulatory Information

USA State Regulations: May contain trace amounts of chemicals on the California Prop. 65 list.

US EPA Regulations: 2-phenylphenol subject to reporting under Section 313 of Title III (SARA) and 40 CFR 372.

WHMIS Classification: E – Corrosive Material

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulation.

16. Other Information: The information on this sheet is not a specification and does not guarantee specific properties. The information is intended to provide general knowledge as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product or where instruction or recommendations are not followed.

NA - Not Applicable

ND - No Data