SAFETY DATA SHEET

1. Identification of the Substance and Company

Environ™ LpH™ se Phenolic Disinfectant

Product No. 6412

MSDS No. 6412

Prepared by: M. Ebers
Date Created: December 21, 2005
Date Revised: March 2, 2007

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)

STERIS Limited, STERIS House, Jays Close, Viables, Basingstoke, Hampshire, RG22 4AX, UK
Emergency Phone No: +44 (0) 1895 622639; Product/Technical Information Phone No: +44 (0) 1256 840400

2. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Hazardous Component(s)</th>
<th>EEC No.</th>
<th>CAS No.</th>
<th>% By Wt.</th>
<th>Symbol</th>
<th>R Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-phenylphenol</td>
<td>NA</td>
<td>90-43-7</td>
<td>7.7</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>o-benzyl-p-chlorophenol</td>
<td>NA</td>
<td>120-32-1</td>
<td>7.7</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>NA</td>
<td>67-63-0</td>
<td>~10.0</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Phosphoric acid</td>
<td>NA</td>
<td>7664-38-2</td>
<td>~14.0</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Dodecyldibenzene sulfonic acid</td>
<td>NA</td>
<td>88584-22-5</td>
<td>5.0</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

3. Hazards Identification

Corrosive to eyes and skin. Combustible.

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 to fresh air and contact a physician if irritation persists.

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

Flash Point: 104 F (TCC) but does not sustain combustion

Flammability Classification: Combustible

Special Hazards: None known.

Extinguishing Media: None known.

Special Fire Fighting Procedures: None known.

6. Accidental Release Measures

Contain spill. Absorb on absorbent material and place in a D.O.T. approved container for disposal. Flush spill site with large quantities of water to a sanitary sewer.

7. Handling and Storage

7.1 Handling: Avoid contact.

7.2 Storage: Keep from freezing. If frozen, thaw and remix before using.

8. Exposure Control/Personal Protection

8.1 Occupational Exposure Limits

Isopropanol: ACGIH TLV = 200 ppm; OSHA PEL, HSE EH40 LTEL and Irish H&S A OELV (8 hr.) = 400 ppm; ACGIH, OSHA and HSE EH40 STEL and Irish H&S A OELV (15 min.) = 500 ppm

Phosphoric acid: ACGIH TLV, OSHA PEL and Irish H&S A OELV (8 hr.) = 1 mg/m³; ACGIH and OSHA STEL = 3 mg/m³, UK HSE EH40 STEL and Irish H&S A OELV (15 min.) = 2 mg/m³

8.2 Personal Protection

Respirator Protection: Not normally required. Required if established exposure limits (Sec. 8.1) are exceeded.

Eye Protection: Safety glasses or eye goggles.

Protective Gloves: Rubber.

Other Protective Clothing and Equipment: NA

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

9. Physical and Chemical Properties

Solubility in Water: Complete

Specific Gravity: Approximately: 1.0

pH as Distributed: Approximately 0.3.

pH Diluted 1:128: Approximately 2.0

10. Stability and Reactivity

Stability: Stable

Incompatible Materials: Strong oxidizers

Conditions to Avoid: None known.

Hazardous Decomposition or Byproducts: Forced ignition of dried residues may produce carbon monoxide, carbon dioxide, nitrogen oxide.

11. Toxicological Information

11.1 Acute (Primary Routes of Exposure)

Eyes: Concentrate considered severely irritating to eyes.

Skin: Concentrate considered severely irritating to skin.

Inhalation: Mists may irritate nasal passages.

11.2 Long Term Exposure

None known.

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.

12. Ecological Information: None available

13. Disposal Considerations

Unused material is considered hazardous waste (EPA hazardous waste No. D002, characteristic of corrosivity) due to low pH. Product may be neutralized and flushed with large amounts of water to sanitary sewer. If the means are not available to neutralize this product, this waste must be disposed of in accordance with state, local and federal regulations. Contact your local EPA Regional Office for further guidance.

14. Transport Information

Ground and Sea: Disinfectant, Liquid, Corrosive N.O.S. (o-phenylphenol and o-benzyl-p-chlorophenol) 8, UN 1903, PG III

Air: Package not approved for air shipment.

15. Regulatory Information

EU Regulations: This preparation is classified as dangerous as defined by the UK Chemicals (Hazard Information and Packaging for Supply) Regulations. These regulations implement a number of EC Directives including the Dangerous Substances Directive (67/548/EEC and amendments), the Dangerous Preparations Directive (88/379/EEC and amendments) and the Safety Data Sheets Directive (91/155/EEC and amendment).

EEC Classification: CORROSIVE/DANGEROUS FOR THE ENVIRONMENT

Hazard Symbol: CN


USA State Regulations: 2-phenylphenol appears on California Proposition 65 list.

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

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 instructions or recommendations are not followed.

NA - Not Applicable
ND - No Data