



## SAFETY DATA SHEET

### 1. Identification of the Substance and Company

**Environ™ LpH™ se Phenolic Disinfectant**

**Product No. 6412**

**MSDS No. 6412**

**NFPA 704 Hazard Rating**

**Health: 3**  
**Fire: 2**  
**Reactivity: 0**

**Prepared by: M. Ebers**

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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)

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### 2. Composition/Information on Ingredients

Hazardous Component(s)	EEC No.	CAS No.	% By Wt.	Symbol	R Phrases
2-phenylphenol	NA	90-43-7	7.7	NA	NA
o-benzyl-p-chlorophenol	NA	120-32-1	7.7	NA	NA
Isopropanol	NA	67-63-0	~10.0	NA	NA
Phosphoric acid	NA	7664-38-2	~14.0	NA	NA
Dodecylbenzene sulfonic acid	NA	68584-22-5	5.0	NA	NA

**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:**

**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

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

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

Phosphoric acid: ACGIH TLV, OSHA PEL and Irish H&SA OELV (8 hr.) = 1 mg/m<sup>3</sup>; ACGIH and OSHA STEL = 3 mg/m<sup>3</sup>; UK HSE EH40 STEL and Irish H&SA OELV (15 min.) = 2 mg/m<sup>3</sup>

#### 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

**Appearance/Odor:** Liquid with mild pleasant odor.

**pH as Distributed:** Approximately 0.3.

**pH Diluted 1:128:** Approximately 2.0

### 10. Stability and Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Will not occur.

**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.

**Ingestion:** May cause gastrointestinal irritation.

**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:** C/N

**Risk Phrases:** R34: Causes burns. R50: Very toxic to aquatic organisms. R67: Vapours may cause drowsiness and dizziness.

**Safety Phrases:** S2: Keep out of reach of children. S16: Keep away from sources of ignition – No smoking. S24/25: Avoid contact with skin and eyes. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/S37/39: Wear suitable protective clothing, gloves and eye/face protection. S45: In case of accident or if you feel unwell seek medical advice immediately (show label when possible). S61: Avoid release to the environment. Refer to special instructions/Safety data sheet.

**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