



SAFETY DATA SHEET

1. Identification of the Substance and Company

1-STROKE ENVIRON
Hard Surface Antimicrobial
Product No. 5397
MSDS No. 5397

NFPA 704 Hazard Rating
Health: 3
Fire: 1
Reactivity: 0

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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)

2. Hazards Identification: Corrosive to eyes and skin.

3. Composition/Information on Ingredients

Hazardous Component(s)	% By Wt.	CAS No.	EU No.	Symbol	R Phrases
#2-phenylphenol	5 - 10	90-43-7	NA	NA	NA
o-benzyl-p-chlorophenol	5 - 10	120-32-1	NA	NA	NA
p-tertiary amyphenol	1 - 5	80-46-6	NA	NA	NA
Hexylene glycol	1 - 5	107-41-5	NA	NA	NA
Sodium hydroxide	1 - 5	1310-73-2	NA	NA	NA
Isopropanol	1 - 5	67-63-0	NA	NA	NA

3. Hazards Identification: Corrosive to eyes and skin.

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: >200F

Method: Closed Cup

Autoignition Temperature: ND

Flammable Limits: LEL: ND **UEL:** ND

Flammability Classification: NA

Special Hazards: None known.

Extinguishing Media: Product is not flammable. Use media suitable for surrounding fire.

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: Read and observe all label precautions.

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.

Hexylene glycol: ACGIH TLV and OSHA PEL = 25 ppm

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

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: 1.08

Appearance/Odor: Brown liquid with mild pleasant odor.

pH as Distributed: 12.6 **pH @1:256 Solution:** 10.4

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 corrosive to eyes.

Skin: Concentrate corrosive to skin.

Ingestion: Oral LD₅₀ (rat) > 5,000 mg/kg. May cause gastrointestinal irritation.

Inhalation: Inhalation LC₅₀ (rat) > 2.02 mg/L. 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 high 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: Disinfectant, Liquid, Corrosive N.O.S. (o-phenylphenol and o-benzyl-p-chlorophenol) 8, UN 1903, PG III

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

Air

ICAO/IATA Class: Disinfectant, Liquid, Corrosive N.O.S. (o-phenylphenol and o-benzyl-p-chlorophenol) 8, UN 1903, PG III (4 x 1 gal. package not approved for air shipment)

15. Regulatory Information

USA State Regulations: May contain trace levels of 1,4 dioxane. 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