



SAFETY DATA SHEET

1. Identification of the Substance and Company

Process Vesphene I1st

Product No. 6861

MSDS No. 6861

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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: Severely irritating to eyes and skin

3. Composition/Information on Ingredients

Hazardous Component(s)	EEC No.	CAS No.	% By Wt.	Symbol	R Phrases
2-phenylphenol	201-993-5	90-43-7	9.09	X _N	36/37/38, 50
p-tertiary amylphenol	Not Listed	80-46-6	7.66	[C/X _n]	[34, 22]
Potassium hydroxide	215-181-3	1310-58-3	5.00	C/X _n	22, 35
Sodium hydroxide	215-185-5	1310-73-2	< 2.00	C	36/38

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

Flash Point: Not Flammable

Extinguishing Media: Suitable for surrounding fire.

Special Fire Fighting Procedures: None known.

6. Accidental Release Measures: Ensure suitable personal protection during removal of spillages. Spills should be contained and may be cautiously neutralized with a weak acid solution, 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

Sodium hydroxide: ACGIH TLV and OSHA PEL = 2 mg/m³ ceiling; UK HSE E40 STEL = 2 mg/m³

Potassium hydroxide: ACGIH TLV = 2 mg/m³ ceiling; ACGIH and OSHA STEL = 3 mg/m³; UK HSE E40 STEL = 2 mg/m³

8.2 Personal Protection

Respirator Protection: None normally required. Required if established exposure limits (Sec. 8.1) are exceeded.

Eye Protection: Safety glasses or goggles.

Protective Gloves: Rubber.

Other Protective Clothing and Equipment: Mists of use-solutions may be irritating to nasal passages and lungs.

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

9. Physical and Chemical Properties

Solubility in Water: Complete

Specific Gravity: Approximately 1.10

Appearance/Odor: Red liquid. Mild odor.

pH: Approximately 12.3

10. Stability and Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur.

Incompatible Materials: Reaction with acid can create heat.

Conditions to Avoid: None known.

Hazardous Decomposition or Byproducts: Forced ignition of dried residues may produce CO₂, CO, sulfur oxides

11. Toxicological Information

11.1 Acute (Primary Routes of Exposure)

Eyes: Concentrate severely irritating to eyes. 1:200 dilution slightly irritating to eyes.

Skin: Concentrate severely irritating to skin. 1:200 dilution slightly irritating to skin.

Inhalation: Inhalation toxicity >54 ml/liter at 1:200 for 4 hours. Mists may irritate nasal passages.

Ingestion: Oral LD₅₀ (rats) 4,500 mg/kg. Causes 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.

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. Disposal of unwanted 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 levels of formaldehyde. Contains 2-phenylphenol.

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

EPA Registration number: 1043-115

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