SAFETY DATA SHEET

1. Identification of the Substance and Company
Process Vesphe II Solvent
Product No. 6861
MSDS No. 6861
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Telephone Number for Information: 1-800-444-9009 (Customer Service-Scientific Products)

2. Hazards Identification:

2.1 Physical and Chemical Properties

- Specific Gravity: Approximately 1.10
- pH: Approximately 12.3
- % By Wt.
  - 2-phenylphenol: 9.09
  - p-tertiary amylphenol: 7.66
  - Potassium hydroxide: 5.00
  - Sodium hydroxide: 2.00

2.2 Inherent Hazards/Reactivity

- Reactivity: None normally required. Required if established exposure limits (Sec. 8.1) are exceeded.
- Stability: None normally required. Required if established exposure limits (Sec. 8.1) are exceeded.
- Incompatible Materials: Reaction with acid can create heat.
- Hazardous Decomposition or Byproducts: Forced ignition of dried residues may produce CO₂, CO, sulfur oxides.

2.3 Health Factors

- Skin: Concentrate severely irritating to skin. 1:200 dilution slightly irritating to skin.
- Eyes: Concentrate severely irritating to eyes. 1:200 dilution slightly irritating to eyes.
- Inhalation: Inhalation toxicity >54 ml/liter at 1:200 for 4 hours. Mists may irritate nasal passages.
- Dermal: Causes irritation to nasal passages.

2.4 Ecological Factors

- Do not contaminate ponds, waterways, or ditches with chemical or used containers.

2.5 Transport Information

- Ground/Air/Sea: Non-hazardous

2.6 Disposal Considerations

- Empty containers should not be reconditioned/recycling.

3. How to Identify a Hazardous Substance

- NFPA 704 HAZARD RATING:
  - HEALTH: 3
  - FIRE: 1
  - REACTIVITY: 0

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.

5. Fire-Fighting Measures

- Extinguishing Media: Suitable for surrounding fire.
- Special Fire Fighting Procedures: None known.

6. Accidental Release Measures

- Adequate ventilation to maintain air concentrations below established limits.

7. Handling and Storage

- Handling: Washings should be prevented from entering surface water/storm drains. Local regulations should be observed.
- Storage: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.
- Containment: 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.

8. Exposure Control/Personal Protection

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

9. Physical and Chemical Properties

- Solubility in Water: Complete

10. Stability and Reactivity

- Stability: Stable
- Hazardous Polymerization: Will not occur.

11. Toxicological Information

- 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.

12. Ecological Information

- Information on this sheet is not 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.

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