



## SAFETY DATA SHEET

### 1. Identification of the Substance and Company

#### Vesphene® Ilse

#### One-Step Germicidal Detergent

**Product No. 6461**

**SDS No. 6461**

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Emergency Telephone No. 1-314-535-1395 (STERIS); 1-800-424-9300 (CHEMTREC)  
Telephone Number for Information: 1-800-548-4873 (Customer Service-Healthcare 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 <sub>N</sub>      | 36/37/38, 50 |
| p-tertiary amylphenol  | Not Listed | 80-46-6   | 7.66     | [C/X <sub>n</sub> ] | [34, 22]     |
| Potassium hydroxide    | 215-181-3  | 1310-58-3 | 5.00     | C/X <sub>n</sub>    | 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

**Conditions of Flammability/Flash Point/Auto-ignition Temperature:** Not Flammable

**Upper Flammable Limit:** NA **Lower Flammable Limit:** NA

**Special Hazards:** None known

**Explosibility Data:** ND

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

**Hazard Combustion Products:** Forced ignition of dried residues may produce CO<sub>2</sub>, CO, sulfur oxides

**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/m<sup>3</sup> ceiling; UK HSE E40 STEL = 2 mg/m<sup>3</sup>

Potassium hydroxide: ACGIH TLV = 2 mg/m<sup>3</sup> ceiling; ACGIH and OSHA STEL = 3 mg/m<sup>3</sup>; UK HSE E40 STEL = 2 mg/m<sup>3</sup>

#### 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.

**Engineering Controls/Ventilation:** Adequate ventilation to maintain air concentrations below established limits.

### 9. Physical and Chemical Properties

**Solubility in Water:** Complete

**Specific Gravity:** Approximately 1.10

**Physical State/Appearance/Odor:** Red liquid. Mild odor.

**pH:** Approximately 12.3

**Odor Threshold, Vapor Pressure, Vapor Density, Evaporation Rate, Boiling Point and Freezing Point:** ND

**Coefficient of Water/Oil Distribution:** ND

### 10. Stability and Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Will not occur.

**Incompatible Materials:** Reaction with acid can create heat.

**Conditions to Avoid/Conditions of Reactivity:** None known.

**Hazardous Decomposition or Byproducts:** Forced ignition of dried residues may produce CO<sub>2</sub>, CO, sulfur oxides

### 11. Toxicological Information

#### 11.1 Acute (Primary Routes of Exposure)

**Eyes (Irritancy):** Concentrate severely irritating to eyes. 1:200 dilution slightly irritating to eyes.

**Skin (Irritancy or Sensitization):** 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 LD<sub>50</sub> (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.

**Reproductive Toxicity/Teratogenicity/Mutagenicity/Toxicologically Synergistic Products:** ND

### 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

**State Regulations:** May contain trace amounts of chemicals found on the California Prop. 65 list.

Contains 2-phenylphenol.

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

**US EPA Registration Number:** 1043-87

### 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