# SECTION 1: Identification

## 1.1. Product Identifier

<table>
<thead>
<tr>
<th>Product Form:</th>
<th>Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Name:</td>
<td>Vesphene® Ilse One-Step Germicidal Detergent</td>
</tr>
<tr>
<td>Product Code:</td>
<td>6461</td>
</tr>
</tbody>
</table>

## 1.2. Intended Use of the Product

Use of the substance/mixture: Germicide, Fungicide, Virucide, Tuberculocide, Deodorizer, Cleaner, Detergent. For professional use only.

## 1.3. Name, Address, and Telephone of the Responsible Party

Company: STERIS Corporation  
Official Mailing Address:  
P.O. Box 147  
St. Louis, MO 63166 USA  
Street Address:  
7501 Page Avenue  
St. Louis, MO 63133 USA  
Telephone Number for Information: 1-800-548-4873 (Customer Service-Healthcare Products)  
web: [www.steris.com](http://www.steris.com)  
email: [asksteris_msds@steris.com](mailto:asksteris_msds@steris.com)

## 1.4. Emergency Telephone Number

Emergency Number: 1-814-535-1395 or CHEMTREC: 1-800-424-9300

# SECTION 2: Hazards Identification

## 2.1. Classification of the Substance or Mixture

<table>
<thead>
<tr>
<th>Classification (GHS-US)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Corr. 1B</td>
<td>H314</td>
</tr>
<tr>
<td>Eye Dam. 1</td>
<td>H318</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>H317</td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16

## 2.2. Label Elements – This label is regulated by the EPA under FIFRA. Refer to Section 15.

### GHS-US Labeling

- **Signal Word (GHS-US):** Danger  
- **Hazard Pictograms (GHS-US):** ![GHS05](image) ![GHS07](image)
- **Hazard Statements (GHS-US):**  
  - H314 - Causes severe skin burns and eye damage.  
  - H317 - May cause an allergic skin reaction.  
  - H318 - Causes serious eye damage.  
- **Precautionary Statements (GHS-US):**  
  - P260 - Do not breathe vapors, mist, spray.  
  - P264 - Wash hands thoroughly after handling.  
  - P272 - Contaminated work clothing must not be allowed out of the workplace.  
  - P280 - Wear protective clothing, protective gloves, eye protection.  
  - P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
  - P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
  - P304+P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.  
  - P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
  - P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
  - P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

## 2.3. Other Hazards

Other Hazards: Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

## 2.4. Unknown Acute Toxicity (GHS-US)

No data available

# SECTION 3: Composition/Information On Ingredients

## 3.1. Substance

Not applicable
3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts</td>
<td>(CAS No) 68439-57-6</td>
<td>7 - 13</td>
<td>Skin Irrit. 2, H315, Eye Dam. 1, H318, Aquatic Acute 2, H401</td>
</tr>
<tr>
<td>2-Phenylphenol</td>
<td>(CAS No) 90-43-7</td>
<td>5 - 10</td>
<td>Comb. Dust, Skin Irrit. 2, H315, Eye Irrit. 2A, H319, STOT SE 3, H325, Aquatic Acute 1, H400</td>
</tr>
<tr>
<td>4-tert-Pentylphenol</td>
<td>(CAS No) 80-46-6</td>
<td>5 - 10</td>
<td>Skin Corr. 1B, H314, Eye Dam. 1, H318, Skin Sens. 1, H317, Aquatic Acute 2, H401, Aquatic Chronic 1, H410</td>
</tr>
<tr>
<td>Sodium xylene sulfonate</td>
<td>(CAS No) 1300-72-7</td>
<td>1 - 5</td>
<td>Skin Irrit. 2, H315, Eye Irrit. 2A, H319, STOT SE 3, H335</td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16

SECTION 4: First Aid Measures

4.1. Description of First Aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area. If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

First-aid Measures After Skin Contact: Remove/Take off immediately all contaminated clothing. Immediately flush skin with plenty of water for at least 60 minutes. Get medical advice/attention. Wash contaminated clothing before reuse.

First-aid Measures After Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 60 minutes. Immediately call a POISON CENTER or doctor/physician. Ingestion: Rinse mouth. Do NOT induce vomiting. Seek medical attention if a large amount is swallowed.

First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting. Seek medical attention if a large amount is swallowed.

4.2. Most important symptoms and effects, both acute and delayed

General: May be harmful if swallowed. Causes severe skin burns and eye damage. Exposure may produce an allergic reaction. Inhalation: May cause respiratory irritation. Skin Contact: Causes serious burns. May cause an allergic skin reaction. Eye Contact: Causes serious eye damage. Ingestion: Ingestion is likely to be harmful or have adverse effects. Chronic Symptoms: None known.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand.

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire. Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Product is not flammable. Explosion Hazard: Product is not explosive. Reactivity: None known.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Firefighting Instructions: Use water spray or fog for cooling exposed containers. Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Hazardous Combustion Products: Carbon oxides (CO, CO₂). Sulfur oxides.
SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not allow product to spread into the environment.

6.1.1. For Non-emergency Personnel
Protective Equipment: Use appropriate personal protection equipment (PPE).


6.1.2. For Emergency Responders
Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Absorb and/or contain spill with inert material, then place in suitable container.
Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Cautiously neutralize spilled liquid slowly with a weak acid. After cleaning, flush traces away with water.

6.4. Reference to Other Sections

See Section 8: Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

SECTION 7: Handling And Storage

7.1. Precautions for Safe Handling

Additional Hazards When Processed: If frozen, thaw and mix thoroughly before use.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.
Incompatible Products: Reaction with acids can create heat.

7.3. Specific End Use(s)

Germicide, Fungicide, Virucide, Tuberculocide, Deodorizer, Cleaner, Detergent. For professional use only.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

<table>
<thead>
<tr>
<th>Sodium hydroxide (1310-73-2)</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>USA ACGIH</td>
<td>ACGIH Ceiling (mg/m³)</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>USA NIOSH</td>
<td>NIOSH REL (ceiling) (mg/m³)</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>USA IDLH</td>
<td>US IDLH (mg/m³)</td>
<td>10 mg/m³</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Potassium hydroxide (1310-58-3)</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>USA ACGIH</td>
<td>ACGIH Ceiling (mg/m³)</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>USA NIOSH</td>
<td>NIOSH REL (ceiling) (mg/m³)</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>Alberta</td>
<td>OEL Ceiling (mg/m³)</td>
<td>2 mg/m³</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Phosphoric acid (7664-38-2)</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>USA ACGIH</td>
<td>ACGIH TWA (mg/m³)</td>
<td>1 mg/m³</td>
</tr>
<tr>
<td>USA ACGIH</td>
<td>ACGIH STEL (mg/m³)</td>
<td>3 mg/m³</td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>1 mg/m³</td>
</tr>
<tr>
<td>USA NIOSH</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td>1 mg/m³</td>
</tr>
<tr>
<td>USA NIOSH</td>
<td>NIOSH REL (STEL) (mg/m³)</td>
<td>3 mg/m³</td>
</tr>
<tr>
<td>USA IDLH</td>
<td>US IDLH (mg/m³)</td>
<td>1000 mg/m³</td>
</tr>
</tbody>
</table>

8.2. Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.


Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical safety goggles.

Skin and Body Protection: Wear suitable protective clothing. Wash contaminated clothing before reuse.
Vesphene® Ilse
One-Step Germicidal Detergent
Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 9: Physical And Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Red</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>≈ 12.3</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt;200°F TCC</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative Vapor Density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>≈ 1.1 g/ml</td>
</tr>
<tr>
<td>Solubility</td>
<td>Complete in water</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosion Data – Sensitivity to Mechanical Impact</td>
<td>Not expected to present an explosion hazard due to mechanical impact.</td>
</tr>
<tr>
<td>Explosion Data – Sensitivity to Static Discharge</td>
<td>Not expected to present an explosion hazard due to static discharge.</td>
</tr>
</tbody>
</table>

9.2. Other Information

No additional information available

SECTION 10: Stability And Reactivity

10.1 Reactivity:

Reacts with (some) acids: causing heat release.

10.2 Chemical Stability:

Stable under recommended handling and storage conditions (see section 7).

10.3 Possibility of Hazardous Reactions:

Hazardous polymerization will not occur.

10.4 Conditions to Avoid:

Direct sunlight. Extremely high or low temperatures.

10.5 Incompatible Materials:

Strong acids.

10.6 Hazardous Decomposition Products:

None known.

SECTION 11: Toxicological Information

11.1. Information On Toxicological Effects

Acute Toxicity: Not classified

**Vesphene® Ilse One-Step Germicidal Detergent**

<table>
<thead>
<tr>
<th>Exposure Route</th>
<th>LD50 Oral Rat</th>
<th>LD50 Dermal Rat</th>
<th>LD50 Inhalation Rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>4500 mg/kg</td>
<td>&gt; 2000 mg/kg</td>
<td>&gt; 0.549 mg/ml (Exposure time: 1 h)</td>
</tr>
<tr>
<td>2-Phenylphenol (90-43-7)</td>
<td>2733 mg/kg</td>
<td>&gt; 2000 mg/kg</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>4-tert-Pentylphenol (80-46-6)</td>
<td>LD50 Oral Rat 2000 mg/kg</td>
<td>LD50 Dermal Rabbit &gt; 2000 mg/kg</td>
<td>LD50 Inhalation Rat &gt; 850 mg/m³ (Exposure time: 1 h)</td>
</tr>
<tr>
<td>Potassium hydroxide (1310-58-3)</td>
<td>LD50 Oral Rat 333 mg/kg</td>
<td>LD50 Dermal Rabbit &gt; 2000 mg/kg</td>
<td>LD50 Inhalation Rat &gt; 850 mg/m³ (Exposure time: 1 h)</td>
</tr>
<tr>
<td>Sodium xylene sulfonate (1300-72-7)</td>
<td>LD50 Oral Rat &gt; 5000 mg/kg</td>
<td>LD50 Dermal Rabbit &gt; 2000 mg/kg</td>
<td>LD50 Inhalation Rat &gt; 850 mg/m³ (Exposure time: 1 h)</td>
</tr>
<tr>
<td>Phosphoric acid (7664-38-2)</td>
<td>LD50 Oral Rat 1530 mg/kg</td>
<td>LD50 Dermal Rabbit 2740 mg/kg</td>
<td>LD50 Inhalation Rat &gt; 850 mg/m³ (Exposure time: 1 h)</td>
</tr>
<tr>
<td>Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts (68439-57-6)</td>
<td>LD50 Oral Rat 2310 mg/kg</td>
<td>LD50 Dermal Rabbit &gt; 2000 mg/kg</td>
<td>LD50 Inhalation Rat &gt; 850 mg/m³ (Exposure time: 1 h)</td>
</tr>
</tbody>
</table>
**Vesphene® Ilse One-Step Germicidal Detergent**

**Safety Data Sheet**

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

---

**LD50 Dermal Rabbit** 6300 mg/kg

Skin Corrosion/Irritation: Causes severe skin burns and eye damage. (pH: ≈ 12.3)

Serious Eye Damage/Irritation: Causes serious eye damage. (pH: ≈ 12.3)

Respiratory or Skin Sensitization: May cause an allergic skin reaction.

Germ Cell Mutagenicity: Not classified

Teratogenicity: Not classified

Carcinogenicity: Not classified

**2-Phenylphenol (90-43-7)**

<table>
<thead>
<tr>
<th>IARC group</th>
<th>3</th>
</tr>
</thead>
</table>

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: May cause respiratory irritation.

Symptoms/Injuries After Skin Contact: Causes skin irritation. May cause an allergic skin reaction.

Symptoms/Injuries After Eye Contact: Causes serious eye damage.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: None known.

---

**SECTION 12: Ecological Information**

12.1. **Toxicity**

Ecology - General: Do not contaminate ponds/waterways.

**2-Phenylphenol (90-43-7)**

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 Fish 1</td>
<td>3.4 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>2.5 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])</td>
</tr>
<tr>
<td>LC 50 Fish 2</td>
<td>2.74 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)</td>
</tr>
<tr>
<td>ErC50 (algae)</td>
<td>3.57 mg/l (72h, Selenastrum capricornutum)</td>
</tr>
<tr>
<td>NOEC chronic fish</td>
<td>0.036 mg/l</td>
</tr>
<tr>
<td>NOEC chronic algae</td>
<td>0.468 mg/l Selenastrum capricornutum</td>
</tr>
</tbody>
</table>

**4-tert-Pentylphenol (80-46-6)**

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 Fish 1</td>
<td>1.87 - 3.34 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>2.7 mg/l (Daphnia magna)</td>
</tr>
<tr>
<td>LC 50 Fish 2</td>
<td>1.6 mg/l (Exposure time: 96 h - Species: Cyprinus carpio)</td>
</tr>
<tr>
<td>ErC50 (algae)</td>
<td>4.2 mg/l (96h, Pseudokirchneriella subcapitata)</td>
</tr>
<tr>
<td>NOEC chronic fish</td>
<td>0.1 mg/l</td>
</tr>
</tbody>
</table>

**Sodium hydroxide (1310-73-2)**

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 Fish 1</td>
<td>45.4 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>40 mg/l</td>
</tr>
</tbody>
</table>

**Sulfonic acids, C14-16-alkoxy and C14-16-alkene, sodium salts (68439-57-6)**

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 Fish 1</td>
<td>4.2 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>4.53 mg/l (Ceriodaphnia sp)</td>
</tr>
<tr>
<td>LC 50 Fish 2</td>
<td>12.2 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])</td>
</tr>
<tr>
<td>ErC50 (algae)</td>
<td>5.2 mg/l (Water quality - Marine Algal Growth Inhibition Test with Skeletonema costatum and Phaeodactylum tricornutum)</td>
</tr>
</tbody>
</table>

12.2. **Persistence and Degradability**

**Vesphene® Ilse One-Step Germicidal Detergent**

Persistence and Degradability: Not established. May cause long-term adverse effects in the environment.

12.3. **Bioaccumulative Potential**

**Vesphene® Ilse One-Step Germicidal Detergent**

Bioaccumulative Potential: Not established.

**2-Phenylphenol (90-43-7)**

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Pow</td>
<td>3.18</td>
</tr>
</tbody>
</table>

**Potassium hydroxide (1310-58-3)**

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Pow</td>
<td>0.65</td>
</tr>
</tbody>
</table>

12.4. **Mobility in Soil**

No additional information available

12.5. **Other Adverse Effects**

Other Information: Avoid release to the environment.

---

**SECTION 13: Disposal Considerations**

13.1. **Waste treatment methods**

**Pesticide Disposal**: This germicide, its solutions or rinsing from empty containers, should be disposed of in a toilet or service sink served by a sanitary sewer, or in a landfill approved for pesticides.

Do not contaminate water, food or feed by storage or disposal.
**Vesphene® Ilse**

**One-Step Germicidal Detergent**

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

**Container Disposal:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Consult Federal, State or Local disposal authorities for approved alternative procedures, such as limited open burning.

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

Ecology – Waste Materials: This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

**SECTION 14: Transport Information**

14.1 In Accordance with DOT

Not regulated for transport

14.2 In Accordance with IMDG

Not regulated for transport

14.3 In Accordance with IATA

Not regulated for transport

14.4 In Accordance with TDG

Not regulated for transport

**SECTION 15: Regulatory Information**

15.1 **US Federal Regulations**

EPA FIFRA Pesticide Product Notice : This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

EPA FIFRA Signal Word : Danger
EPA FIFRA Hazard Statements : Keep Out of Reach of Children
EPA FIFRA Precautionary Statements : HAZARD TO HUMANS AND DOMESTIC ANIMALS Corrosive. Causes eye and skin damage. Do not get in eyes on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful if swallowed.

<table>
<thead>
<tr>
<th>Vesphene® Ilse One-Step Germicidal Detergent</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SARA Section 311/312 Hazard Classes</strong></td>
</tr>
<tr>
<td>Immediate (acute) health hazard</td>
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</table>

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<thead>
<tr>
<th><strong>2-Phenylphenol (90-43-7)</strong></th>
</tr>
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<tr>
<td>Listed on United States SARA Section 313</td>
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<th><strong>4-tert-Pentylphenol (80-46-6)</strong></th>
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<th><strong>Sodium xylene sulfonate (1300-72-7)</strong></th>
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<th><strong>Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts (68439-57-6)</strong></th>
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15.2 **US State Regulations**

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<tr>
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<tr>
<td>U.S. - New Jersey - Right to Know Hazardous Substance List</td>
</tr>
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Vesphene® Ilse
One-Step Germicidal Detergent
Safety Data Sheet
According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Potassium hydroxide (1310-58-3)
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SECTION 16: Other Information, Including Date Of Preparation Or Last Revision
Revision Date: 08/21/2015
Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

NFPA Health Hazard: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.

NFPA Fire Hazard: 1 - Must be preheated before ignition can occur.

NFPA Reactivity Hazard: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

STERIS Corporation

08/21/2015 EN (English US) SDS Re: 6461US 7/7