Environ™ Vesphene™ st
Sterile Phenolic Disinfectant
Safety Data Sheet
according to Regulation (EC) No. 453/2010
Date of issue: 11/29/2018  Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

- Product form: Mixture
- Trade name: Environ™ Vesphene™ st Sterile Phenolic Disinfectant
- Product code: 6413

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

- Industrial/Professional use spec: For professional use only
- Use of the substance/mixture: Phenolic Disinfectant

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer:
STERIS Corporation
P. O. Box 147, St. Louis, MO 63166, US
Telephone Number for Information: 1-800-444-9009 (Customer Service-Scientific Products)
US Emergency Telephone No.1-314-535-1395 (STERIS); 1-800-424-9300 (CHEMTREC)

Supplier:
STERIS Ireland Limited
IDA Business and Technology Park
Tullamore
County Offaly
R35 X865
Ireland.
Product/Technical Information Phone No: +44 (0) 116 276 8636
Email: asksteris_msd@steris.com

1.4. Emergency telephone number

Emergency number: +44 (0) 1895 622 639

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

- Skin Corr. 1A: H314
- Eye Dam. 1: H318
- Carc. 2: H351
- Repr. 2: H361
- Aquatic Chronic 2: H411

Full text of H-phrases: see section 16

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

- Hazard pictograms (CLP):
  - GHS05
  - GHS09
  - GHS08

- Signal word (CLP): Danger
- Hazard statements (CLP):
  - H314 - Causes severe skin burns and eye damage
  - H351 - Suspected of causing cancer
  - H361 - Suspected of damaging fertility or the unborn child
  - H411 - Toxic to aquatic life with long lasting effects
Environ™ Vesphene™ st
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according to Regulation (EC) No. 453/2010

Precautionary statements (CLP)

P260 - Do not breathe mist, spray, vapours
P280 - Wear protective gloves/protective clothing and eye/face protection.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 – IF exposed or concerned: Get medical advice/attention.
P405 – Store locked up.
P501 - Dispose of contents/container to Comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Phenylyphenol</td>
<td>(CAS No) 90-43-7</td>
<td>5 - 10</td>
<td>Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400</td>
</tr>
<tr>
<td>o-Benzyl-p-chlorophenol</td>
<td>(CAS No) 120-32-1</td>
<td>5 - 10</td>
<td>Carc. 2, H351 Repr. 2, 3611 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Chronic 1, H410</td>
</tr>
<tr>
<td>Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts</td>
<td>(CAS No) 68439-57-6</td>
<td>3 - 7</td>
<td>Aquatic Chronic 3, H412</td>
</tr>
<tr>
<td>Potassium hydroxide</td>
<td>(CAS No) 1310-59-3</td>
<td>3 - 7</td>
<td>Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314</td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>(CAS No) 67-63-0</td>
<td>1 - 5</td>
<td>Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336</td>
</tr>
<tr>
<td>Sodium xylene sulfonate</td>
<td>(CAS No) 1300-72-7</td>
<td>1 - 2</td>
<td>Eye Irrit. 2, H319</td>
</tr>
<tr>
<td>Phosphoric acid</td>
<td>(CAS No) 7664-38-2</td>
<td>0,5 - 1,5</td>
<td>Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314</td>
</tr>
</tbody>
</table>

Full text of H- and EUH-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 (show the label where possible).

First-aid measures after inhalation  
: Remove to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Immediately get medical attention.

First-aid measures after skin contact  
: Immediately flush skin with plenty of water for at least 15 minutes. Obtain medical attention if irritation persists.

First-aid measures after eye contact  
: In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing. In all cases of doubt, or when symptoms persist, seek medical advice.

First-aid measures after ingestion  
: Rinse mouth. Do NOT induce vomiting. Give water to drink if victim completely conscious/alert. Immediately call a POISON CENTER or doctor/physician.

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

Symptoms/injuries  
: Corrosive to eyes and skin. Causes severe skin burns and eye damage.

Symptoms/injuries after skin contact  
: Severe skin irritant. Effects of skin contact may include: irritation and burn feeling.

Symptoms/injuries after eye contact  
: Causes serious eye damage.

11/29/2018       EN (English)     SDS Ref: 6413UK     2/9
4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: 
Use extinguishing media appropriate for surrounding fire. Foam. Dry powder. Carbon dioxide. Water spray. Sand

Unsuitable extinguishing media: 
Do not use a heavy water stream

5.2. Special hazards arising from the substance or mixture

Fire hazard: 
Not sustaining combustion

Hazardous decomposition products in case of fire: 

5.3. Advice for firefghters

Firefighting instructions: 
Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment. Use water spray or fog for cooling exposed containers

Protective equipment for firefighters: 
Use self-contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: 
Do not breathe fumes, vapors. Avoid contact with skin, eyes and clothes. Remove ignition sources

6.1.1. For non-emergency personnel

Protective equipment: 
Wear protective gloves and eye/face protection. For further information refer to section 8: Exposure-controls/personal protection

Emergency procedures: 
Stop leak if safe to do so. Evacuate unnecessary personnel

6.1.2. For emergency responders

Protective equipment: 
Equip cleanup crew with proper protection

Emergency procedures: 
Ventilate area

6.2. Environmental precautions

Toxic to aquatic life. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: 
Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Neutralise spill carefully with any weak acid and flush remainder with plenty of water. Consult hazardous waste contractor for disposal of large amounts

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: 
Read label before use. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Do not breathe gas, fumes, vapour or spray.

Hygiene measures: 
Wash hands thoroughly after handling. Take care for general good hygiene and housekeeping. Do not eat, drink or smoke when using this product

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: 
A washing facility/water for eye and skin cleaning purposes should be present. Provide adequate ventilation. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof electrical equipment. Comply with applicable regulations

Storage conditions: 
Keep only in the original container in a cool, well ventilated place. Keep out of reach of children. Store away from freezing (avoid freezing during storage). Keep container tightly closed. If frozen, thaw and mix thoroughly before use

Incompatible materials: 
Strong oxidizing agents

Storage area: 
Store in dry, cool, well-ventilated area

Special rules on packaging: 
Correctly labelled

7.3. Specific end use(s)

No additional information available
SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th></th>
<th>Italy - Portugal - USA ACGIH</th>
<th>USA IDLH</th>
<th>USA NIOSH</th>
<th>USA OSHA</th>
<th>United Kingdom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid</td>
<td>ACGIH TWA (mg/m³)</td>
<td>1 mg/m³</td>
<td>3 mg/m³</td>
<td>1000 mg/m³</td>
<td>1 mg/m³</td>
</tr>
<tr>
<td></td>
<td>ACGIH STEL (mg/m³)</td>
<td></td>
<td></td>
<td></td>
<td>1 mg/m³</td>
</tr>
<tr>
<td></td>
<td>NIOSH REL (TWA) (mg/m3)</td>
<td></td>
<td>1 mg/m³</td>
<td></td>
<td>1 mg/m³</td>
</tr>
<tr>
<td></td>
<td>NIOSH REL (STEL) (mg/m3)</td>
<td></td>
<td>3 mg/m³</td>
<td></td>
<td>2 mg/m³</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Italy - Portugal - USA ACGIH</th>
<th>USA IDLH</th>
<th>USA NIOSH</th>
<th>USA OSHA</th>
<th>United Kingdom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl alcohol</td>
<td>ACGIH TWA (ppm)</td>
<td>200 ppm</td>
<td>400 ppm</td>
<td>2000 ppm (10% LEL)</td>
<td>980 mg/m³</td>
</tr>
<tr>
<td></td>
<td>ACGIH STEL (ppm)</td>
<td></td>
<td></td>
<td></td>
<td>1225 mg/m³</td>
</tr>
<tr>
<td></td>
<td>NIOSH REL (TWA) (mg/m3)</td>
<td></td>
<td>400 ppm</td>
<td></td>
<td>500 ppm</td>
</tr>
<tr>
<td></td>
<td>NIOSH REL (STEL) (mg/m3)</td>
<td></td>
<td>980 mg/m³</td>
<td></td>
<td>1250 mg/m³</td>
</tr>
<tr>
<td></td>
<td>OSHA PEL (TWA) (mg/m3)</td>
<td></td>
<td></td>
<td></td>
<td>400 ppm</td>
</tr>
<tr>
<td></td>
<td>OSHA PEL (TWA) (ppm)</td>
<td></td>
<td></td>
<td></td>
<td>500 ppm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Italy - Portugal - USA ACGIH</th>
<th>USA NIOSH</th>
<th>United Kingdom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium hydroxide</td>
<td>ACGIH Ceiling (mg/m³)</td>
<td>2 mg/m³</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td></td>
<td>NIOSH REL (ceiling) (mg/m3)</td>
<td></td>
<td>2 mg/m³</td>
</tr>
<tr>
<td></td>
<td>WEL STEL (mg/m³)</td>
<td></td>
<td>2 mg/m³</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls: Ensure adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment: Personal protective equipment should be selected based upon the conditions under which this product is handled or used. The following pictograms represent the minimum requirements for personal protective equipment. Protective clothing. Gloves. Protective goggles.

Hand protection: Wear rubber gloves.
Eye protection: Chemical goggles or safety glasses.
Skin and body protection: Wear suitable protective clothing.
Respiratory protection: Work in well-ventilated zones or use proper respiratory protection. Wear approved mask.
Other information: When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear</td>
</tr>
<tr>
<td>Colour</td>
<td>Amber to red</td>
</tr>
<tr>
<td>Odour</td>
<td>Mild odor. Characteristic</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>ca. 12</td>
</tr>
</tbody>
</table>
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Relative evaporation rate (butylacetate=1) : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : 58 °C (137 °F)
Self ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : Flammable liquid and vapour
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Relative density : No data available
Density : ca. 1.1 Specific Gravity
Solubility : Water: completely soluble
Log Pow : No data available
Log Kow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
Thermal decomposition generates: Corrosive vapours

10.2. Chemical stability
Stable under normal conditions of use. Recommended storage temperature

10.3. Possibility of hazardous reactions
Not established

10.4. Conditions to avoid
Store in a cool dry place. Avoid Freezing. Direct sunlight. Extremely high or low temperatures

10.5. Incompatible materials
Strong oxidizers

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity : Not classified

<table>
<thead>
<tr>
<th>Environ™ Vesphe™ne™ st Sterile Phenolic Disinfectant</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sodium xylene sulfonate (1300-72-7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
</tr>
<tr>
<td>ATE (oral)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Phosphoric acid (7664-38-2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
</tr>
<tr>
<td>LC50 inhalation rat (mg/l)</td>
</tr>
<tr>
<td>ATE (oral)</td>
</tr>
<tr>
<td>ATE (dermal)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2-Phenylphenol (90-43-7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
</tr>
</tbody>
</table>
### 2-Phenylphenol (90-43-7)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 dermal rat</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>LC50 inhalation rat (mg/l)</td>
<td>&gt; 0.949 mg/l (Exposure time: 1 h)</td>
</tr>
<tr>
<td>ATE (oral)</td>
<td>1049,000 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

### Isopropyl alcohol (67-63-0)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>4396 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>12800 mg/kg</td>
</tr>
<tr>
<td>LC50 inhalation rat (ppm)</td>
<td>16000 ppm (Exposure time: 8 h)</td>
</tr>
<tr>
<td>ATE (oral)</td>
<td>4396,000 mg/kg bodyweight</td>
</tr>
<tr>
<td>ATE (dermal)</td>
<td>12800,000 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

### Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts (68439-57-6)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>2310 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>6300 mg/kg</td>
</tr>
<tr>
<td>ATE (oral)</td>
<td>2310,000 mg/kg bodyweight</td>
</tr>
<tr>
<td>ATE (dermal)</td>
<td>6300,000 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

### o-Benzyl-p-chlorophenol (120-32-1)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>&gt; 2500 mg/kg</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>214 mg/kg</td>
</tr>
<tr>
<td>ATE (oral)</td>
<td>500,000 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

### Skin corrosion/irritation
- Causes severe skin burns and eye damage
- pH: ca. 12

### Serious eye damage/irritation
- Causes severe skin burns and eye damage
- Causes serious eye damage
- pH: ca. 12

### Respiratory or skin sensitisation
- Not classified

### Germ cell mutagenicity
- Not classified

### Carcinogenicity
- Suspected of causing cancer

### Reproductive toxicity
- Suspected of damaging fertility or the unborn child

### Specific target organ toxicity (single exposure)
- Not classified

### Specific target organ toxicity (repeated exposure)
- Not classified

### Aspiration hazard
- Not classified

### Potential Adverse human health effects and symptoms
- Based on available data, the classification criteria are not met

### SECTION 12: Ecological information

#### 12.1. Toxicity

**Ecology - general**
- Toxic to aquatic organisms. Bird toxicity (reproduction). Toxic to fish. Toxic to invertebrates (Daphnia)

**Ecology - water**
- Toxic to aquatic life with long lasting effects

### Sodium xylene sulfonate (1300-72-7)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50 Daphnia 1</td>
<td>&gt; 1020 mg/l 48 hours</td>
</tr>
<tr>
<td>NOEC (acute)</td>
<td>470 48 hours- daphnia</td>
</tr>
</tbody>
</table>

### Phosphoric acid (7664-38-2)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fishes 1</td>
<td>3 - 3,5 mg/l (Exposure time: 96 h - Species: Gambusia affinis)</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>4,6 mg/l (Exposure time: 12 h - Species: Daphnia magna)</td>
</tr>
</tbody>
</table>
### 2-Phenylphenol (90-43-7)

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fishes 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>1 - 2.5 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])</td>
</tr>
<tr>
<td>EC50 other aquatic organisms 1</td>
<td>0.85 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>2.74 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)</td>
</tr>
</tbody>
</table>

### Isopropyl alcohol (67-63-0)

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fishes 1</td>
<td>9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [Flow-through])</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)</td>
</tr>
<tr>
<td>EC50 other aquatic organisms 1</td>
<td>&gt; 1000 mg/l (Exposure time: 96 h - Species: Desmodesmus subspicatus)</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>11130 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [Semi-static])</td>
</tr>
<tr>
<td>EC50 other aquatic organisms 2</td>
<td>&gt; 1000 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)</td>
</tr>
</tbody>
</table>

### Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts (68439-57-6)

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fishes 1</td>
<td>1.0 - 10.0 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [Static])</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>12.2 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [Semi-static])</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fishes 1</td>
<td>80 mg/l (Exposure time: 96 h - Species: Gambusia affinis [Static])</td>
</tr>
</tbody>
</table>

#### 12.2. Persistence and degradability

**Environ™ Vesphe`ne™ st Sterile Phenolic Disinfectant**

**Persistence and degradability**

May cause long-term adverse effects in the environment

#### 12.3. Bioaccumulative potential

**Environ™ Vesphe`ne™ st Sterile Phenolic Disinfectant**

**Bioaccumulative potential**

Not established

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

- **Log Pow**: 3.18

#### Isopropyl alcohol (67-63-0)

- **Log Pow**: 0.05 (at 25 °C)

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

- **Log Pow**: 0.65

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

- **Waste disposal recommendations**: Dispose in a safe manner in accordance with local/national regulations
- **Additional information**: Empty containers should be thoroughly rinsed with large quantities of clean water. Dispose of empty containers and wastes safely. Dispose in a safe manner in accordance with local/national regulations
- **Ecology - waste materials**: No additional information available

### SECTION 14: Transport information

- **In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA**

#### 14.1. UN number

- **UN-No** : 1903
- **UN-No. (IATA)** : 1903
- **UN-No. (IMDG)** : 1903

#### 14.2. UN proper shipping name

**Proper Shipping Name**: DISINFECTANT, LIQUID, CORROSIVE, N.O.S.
Environ™ Vesphene™ st
Sterile Phenolic Disinfectant
Safety Data Sheet
according to Regulation (EC) No. 453/2010

Transport document description: UN 1903 DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (o-phenylphenol and o-benzyl-p-chlorophenol) 8, III, (E)

14.3. Transport hazard class(es)
Class (UN): 8
Class (IATA): 8
Class (IMDG): 8
Hazard labels (UN): 8

14.4. Packing group
Packing group (UN): III

14.5. Environmental hazards
Dangerous for the environment:

Other information: No supplementary information available

14.6. Special precautions for user
14.6.1. Overland transport
Hazard identification number (Keimler No.): 80
Classification code (UN): C9
Orange plates:
Special provision (ADR): 274
Transport category (ADR): 3
Tunnel restriction code: E
Limited quantities (ADR): 5L
Excepted quantities (ADR): E1
EAC code: 2X

14.6.2. Transport by sea
No additional information available

14.6.3. Air transport
No additional information available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

SECTION 15: Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations
No REACH Annex XVII restrictions
Contains no REACH candidate substance

15.1.2. National regulations
No additional information available

15.2. Chemical safety assessment
No chemical safety assessment has been carried out

SECTION 16: Other information
Revision Date: 11/29/2018
### Environ™ Vesphene™ st
Sterile Phenolic Disinfectant

Safety Data Sheet

according to Regulation (EC) No. 453/2010

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Other information</td>
<td>:None</td>
</tr>
</tbody>
</table>

### Full text of H-phrases:

<table>
<thead>
<tr>
<th>Acute Tox. 4 (Oral)</th>
<th>Acute toxicity (oral), Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Acute 1</td>
<td>Hazardous to the aquatic environment — Acute Hazard, Category 1</td>
</tr>
<tr>
<td>Aquatic Chronic 1</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 1</td>
</tr>
<tr>
<td>Aquatic Chronic 3</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 3</td>
</tr>
<tr>
<td>Eye Dam. 1</td>
<td>Serious eye damage/eye irritation, Category 1</td>
</tr>
<tr>
<td>Eye Irrit. 2</td>
<td>Serious eye damage/eye irritation, Category 2</td>
</tr>
<tr>
<td>Flamm. Liq. 2</td>
<td>Flammable liquids, Category 2</td>
</tr>
<tr>
<td>Met. Corr. 1</td>
<td>Corrosive to metals, Category 1</td>
</tr>
<tr>
<td>Skin Corr. 1A</td>
<td>Skin corrosion/irritation, Category 1A</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation, Category 2</td>
</tr>
<tr>
<td>Carc. 2</td>
<td>Carcinogenicity, Category 2</td>
</tr>
<tr>
<td>Repr. 2</td>
<td>Toxic to Reproduction, Category 2</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity (single exposure), Category 3</td>
</tr>
<tr>
<td>H225</td>
<td>Highly flammable liquid and vapour</td>
</tr>
<tr>
<td>H290</td>
<td>May be corrosive to metals</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H336</td>
<td>May cause drowsiness or dizziness</td>
</tr>
<tr>
<td>H351</td>
<td>Suspected of causing cancer</td>
</tr>
<tr>
<td>H361</td>
<td>Suspected of damaging fertility or the unborn child</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>H412</td>
<td>Harmful to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>

**SDS EU (REACH Annex II)**

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.