Environ™ LpH™ st
Sterile Phenolic Disinfectant
Safety Data Sheet
according to Regulation (EC) No. 453/2010
Date of issue: 11/26/2018
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™ LpH™ st Sterile Phenolic Disinfectant
Product code : 6411

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_msds@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

Adverse physicochemical, human health and environmental effects
No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Hazard pictograms (CLP):

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

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>Phosphoric acid</td>
<td>(CAS No) 7664-38-2 (EC no) 231-633-2 (EC index no) 015-011-00-6 (REACH No) 01-2119485924-24-0098</td>
<td>6 - 15,5</td>
<td>Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314</td>
</tr>
<tr>
<td>2-Phenylphenol</td>
<td>(CAS No) 90-43-7 (EC no) 201-993-5 (EC index no) 504-020-00-6</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>Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts</td>
<td>(CAS No) 68439-57-6 (EC no) 270-407-8:931-534-0 (REACH No) 01-2119513401-57-0024</td>
<td>5 - 10</td>
<td>Aquatic Chronic 3, H412</td>
</tr>
<tr>
<td>o-Benzyl-p-chlorophenol</td>
<td>(CAS No) 120-32-1 (EC no) 204-385-8 (EC index no) Self Classified</td>
<td>5 - 10</td>
<td>Carc. 2, H351 Repr. 2, H361 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Chronic 1, H410</td>
</tr>
<tr>
<td>Sodium xylene sulfonate</td>
<td>(CAS No) 1300-72-7 (EC no) 215-090-9 (REACH No) 01-2119513350-56-0007</td>
<td>2,5 - 5</td>
<td>Eye Irrit. 2, H319</td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>(CAS No) 67-63-0 (EC no) 200-661-7 (EC index no) 603-117-00-0 (REACH No) 01-2119457558-25-0094</td>
<td>5 - 10</td>
<td>Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336</td>
</tr>
<tr>
<td>Benzenesulfonic acid, C10-16-alkyl derivatives</td>
<td>(CAS No) 68584-22-5 (EC no) 271-528-9</td>
<td>1 - 5</td>
<td>Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Eye Irrit. 2, H319</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.

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.

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. Flash point (°C): 40


5.3. Advice for firefighters

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. Use special care to avoid static electric charges. No naked lights. No smoking

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

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. Leftovers: neutralize with sodium bicarbonate. Neutralise with dry sodium carbonate. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials

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
Isopropyl alcohol (67-63-0)

<table>
<thead>
<tr>
<th></th>
<th>US IDLH (mg/m³)</th>
<th>2000 ppm (10% LEL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA IDLH</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td>980 mg/m³</td>
</tr>
<tr>
<td>USA IDLH</td>
<td>NIOSH REL (TWA) (ppm)</td>
<td>400 ppm</td>
</tr>
<tr>
<td>USA IDLH</td>
<td>NIOSH REL (STEL) (mg/m³)</td>
<td>1225 mg/m³</td>
</tr>
<tr>
<td>USA IDLH</td>
<td>NIOSH REL (STEL) (ppm)</td>
<td>500 ppm</td>
</tr>
<tr>
<td>USA IDLH</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>980 mg/m³</td>
</tr>
<tr>
<td>USA IDLH</td>
<td>OSHA PEL (TWA) (ppm)</td>
<td>400 ppm</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>WEL TWA (mg/m³)</td>
<td>999 mg/m³</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>WEL TWA (ppm)</td>
<td>400 ppm</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>WEL STEL (mg/m³)</td>
<td>1250 mg/m³</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>WEL STEL (ppm)</td>
<td>500 ppm</td>
</tr>
</tbody>
</table>

Phosphoric acid (7664-38-2)

<table>
<thead>
<tr>
<th></th>
<th>US IDLH (mg/m³)</th>
<th>1000 mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA IDLH</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td>1 mg/m³</td>
</tr>
<tr>
<td>USA IDLH</td>
<td>NIOSH REL (STEL) (mg/m³)</td>
<td>3 mg/m³</td>
</tr>
<tr>
<td>USA IDLH</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>1 mg/m³</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>WEL TWA (mg/m³)</td>
<td>1 mg/m³</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>WEL STEL (mg/m³)</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

- Physical state: Liquid.
- Appearance: Clear.
- Colour: Yellow to amber.
- Odour threshold: No data available.
- pH: ca. 0,3.
- Relative evaporation rate (butylacetate=1): No data available.
- Melting point: No data available.
- Boiling point: No data available.
- Flash point: 40 °C (104 °F).
- Self ignition temperature: No data available.
- Decomposition temperature: No data available.
- Flammability (solid, gas): Not sustaining combustion.
- 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.
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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

### Environ™ LpH™ st Sterile Phenolic Disinfectant

<table>
<thead>
<tr>
<th>Toxicity</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral</td>
<td>5000 mg/kg</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Toxicity</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral</td>
<td>7200 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>ATE (oral)</td>
<td>7200,000 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Toxicity</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral</td>
<td>1049 mg/kg</td>
</tr>
<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>Toxicity</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral</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>

### Benzenesulfonic acid, C10-16-alkyl derivatives (68584-22-5)

<table>
<thead>
<tr>
<th>Toxicity</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral</td>
<td>530 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>530 mg/kg</td>
</tr>
<tr>
<td>ATE (oral)</td>
<td>530,000 mg/kg bodyweight</td>
</tr>
<tr>
<td>ATE (dermal)</td>
<td>530,000 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>Toxicity</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral</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>

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

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></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>

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

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>1530 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>2730 mg/kg</td>
</tr>
<tr>
<td>LC50 inhalation rat (mg/l)</td>
<td>&gt; 850 mg/m³ (Exposure time: 1 h)</td>
</tr>
<tr>
<td>ATE (oral)</td>
<td>1530,000 mg/kg bodyweight</td>
</tr>
<tr>
<td>ATE (dermal)</td>
<td>2730,000 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation:
Causes severe skin burns and eye damage

pH: ca. 0,3

Serious eye damage/irritation:
Causes serious eye damage.
Causes severe skin burns and eye damage
Causes serious eye damage

pH: ca. 0,3

Respiratory or skin sensitisation:
Not classified

Based on available data, the classification criteria are not met

Germ cell mutagenicity:
Not classified

Based on available data, the classification criteria are not met

Carcinogenicity:
Suspected of causing cancer

Reproductive toxicity:
Suspected of damaging fertility or the unborn child

Specific target organ toxicity (single exposure):
Not classified

Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure):
Not classified

Based on available data, the classification criteria are not met

Aspiration hazard:
Not classified

Based on available data, the classification criteria are not met

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)**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></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>

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

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></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 subsiquatus)</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)**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></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 subsiquatus)</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [Static])</td>
</tr>
<tr>
<td>EC50 other aquatic organisms 2</td>
<td>&gt; 1000 mg/l (Exposure time: 72 h - Species: Desmodesmus subsiquatus)</td>
</tr>
</tbody>
</table>

**Benzenesulfonic acid, C10-16-alkyl derivatives (68584-22-5)**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fishes 1</td>
<td>3 mg/l (Exposure time: 96 h - Species: Oncorhyncus mykiss [Static])</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>2,9 mg/l (Exposure time: 48 h - Species: Daphnia magna)</td>
</tr>
</tbody>
</table>

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

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fishes 1</td>
<td>1,0 - 10,0 mg/l (Exposure time: 96 h - Species: Brachydianio rerio [Static])</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>12,2 mg/l (Exposure time: 96 h - Species: Brachydianio rerio [Semi-static])</td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 fishes 1 (Exposure time: 96 h - Species: Gambusia affinis)</th>
<th>EC50 Daphnia 1 (Exposure time: 12 h - Species: Daphnia magna)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid (7664-38-2)</td>
<td>3 - 3,5 mg/l</td>
<td>4,6 mg/l</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Substance</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environ™ LpH™ st Sterile Phenolic Disinfectant</td>
<td>May cause long-term adverse effects in the environment</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Substance</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environ™ LpH™ st Sterile Phenolic Disinfectant</td>
<td>Not established</td>
</tr>
</tbody>
</table>

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

- **Log Pow**: 3,18

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

- **Log Pow**: 0,05 (at 25 °C)

**Benzenesulfonic acid, C10-16-alkyl derivatives (68584-22-5)**

- **Log Pow**: 2 (at 23 °C)

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

<table>
<thead>
<tr>
<th>Waste disposal recommendations</th>
<th>Dispose in a safe manner in accordance with local/national regulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional information</td>
<td>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. Handle empty containers with care because residual vapours are flammable</td>
</tr>
<tr>
<td>Ecology - waste materials</td>
<td>No additional information available</td>
</tr>
</tbody>
</table>

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. (o-phenylphenol and o-benzyl-p-chlorophenol)
- **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 (Kemler No.): 80
- Classification code (UN): C9
- Orange plates: 80 1903
- 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:** 11/26/2018


**Other information:** None

**Full text of H- and EUH-phrases:**

- **Acute Tox. 3 (Dermal):** Acute toxicity (dermal), Category 3
- **Acute Tox. 4 (Oral):** Acute toxicity (oral), Category 4
- **Aquatic Acute 1:** Hazardous to the aquatic environment — Acute Hazard, Category 1
- **Aquatic Chronic 1:** Hazardous to the aquatic environment — Chronic Hazard, Category 1
- **Aquatic Chronic 3:** Hazardous to the aquatic environment — Chronic Hazard, Category 3
- **Eye Dam. 1:** Serious eye damage/eye irritation, Category 1
- **Eye Irrit. 2:** Serious eye damage/eye irritation, Category 2
- **Flam. Liq. 2:** Flammable liquids, Category 2
- **Met. Corr. 1:** Corrosive to metals, Category 1
- **Skin Corr. 1A:** Skin corrosion/irritation, Category 1A
- **Skin Irrit. 2:** Skin corrosion/irritation, Category 2
Environ™ LpH™ st Sterile Phenolic Disinfectant
Safety Data Sheet
according to Regulation (EC) No. 453/2010

<table>
<thead>
<tr>
<th>Carc. 2</th>
<th>Carcinogenicity, Category 2</th>
</tr>
</thead>
<tbody>
<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>H311</td>
<td>Toxic in contact with skin</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.