SAFETY DATA SHEET

Iodophor LF 12

Preparation Date: 24-Aug-2015
Revision Number: 2
Revision Date: 24-Aug-2020

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: Iodophor LF 12
Item#: AUS54469
Recommended use: Sanitizer
Supplier: DeLaval Pty Ltd
1 Global Drive
Westmeadows, VIC 3049
Australia
Telephone 61-3-8336-7977

Emergency Telephone Number: 131 126 (Poison Control Centre)

2. HAZARDS IDENTIFICATION

Classified as hazardous according to criteria of NOHSC
Hazardous substance
Dangerous goods

Classification:
C - Corrosive

R-Phrases:
R34 - Causes burns

S-Phrases:
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid</td>
<td>7664-38-2</td>
<td>10 - &lt; 30%</td>
<td>C;R34</td>
</tr>
<tr>
<td>Non-hazardous</td>
<td>Not specified</td>
<td>60 - &lt; 80%</td>
<td>-</td>
</tr>
<tr>
<td>ingredients</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iodine</td>
<td>7553-56-2</td>
<td>&lt; 10%</td>
<td>N;R50 Xn;R20/21</td>
</tr>
</tbody>
</table>

For the full text of the R phrases mentioned in this Section, see Section 16

4. FIRST AID MEASURES

General Advice:
Show this safety data sheet to the doctor in attendance. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye contact

- Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- Get medical attention immediately

Skin contact

- Wash off immediately with plenty of water.
- Remove contaminated clothing and shoes

Inhalation

- Move to fresh air
- Get medical attention if symptoms occur

Ingestion

- Do not induce vomiting
- Drink 1 or 2 glasses of water
- Never give anything by mouth to an unconscious person
- Call a physician or Poison Control Centre immediately

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating gases and vapours.

Protective Equipment and Precautions for Firefighters

In the event of fire, wear self contained breathing apparatus.

Hazchem Code

2R

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods for cleaning up

Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.

7. HANDLING AND STORAGE

Safe Handling Advice

Wear personal protective equipment. Avoid contact with skin, eyes and clothing.

Storage

Keep container tightly closed in a dry and well-ventilated place.
8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure controls

Exposure limits

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ES-TWA</th>
<th>ES-STEL</th>
<th>ES-Peak</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid</td>
<td>1 mg/m³</td>
<td>3 mg/m³</td>
<td></td>
<td>TWA: 1 mg/m³</td>
<td>TWA: 1 mg/m³</td>
</tr>
<tr>
<td>Iodine</td>
<td>0.1 ppm</td>
<td>1 mg/m³</td>
<td></td>
<td>STEL: 0.1 ppm</td>
<td>STEL: 3 mg/m³</td>
</tr>
</tbody>
</table>

Biological standards

Engineering Controls

Ensure adequate ventilation, especially in confined areas

Personal Protective Equipment

Eye/face Protection

Tightly fitting safety goggles

Skin Protection

Long sleeved clothing, Chemical resistant apron, Boots

Hand Protection

Neoprene gloves

Respiratory Protection

In case of inadequate ventilation wear respiratory protection.

Respirator Recommendation

Particulate filter, Multi gas/vapor cartridge

General Hygiene

Considerations

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Brown

Physical state

Liquid

Odor

Slight

pH

< 2

Specific Gravity

1.13

Water Solubility

soluble

Vapor Pressure

No data available

Vapor Density

No data available

Flash Point

No data available

Boiling Point/Range

No data available

Freezing Point/Range

No data available

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under recommended storage conditions.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible Materials

bases, bleach, organic materials

Hazardous decomposition products

Iodine
11. TOXICOLOGICAL INFORMATION

Acute Toxicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid - 7664-38-2</td>
<td>1530 mg/kg (Rat)</td>
<td>2730 mg/kg (Rabbit)</td>
<td>850 mg/m³ (Rat) 1 h</td>
</tr>
<tr>
<td>Iodine - 7553-56-2</td>
<td>14000 mg/Kg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Potential Health Effects

- **Eye irritation**: Causes burns.
- **Skin irritation**: Causes burns.
- **Inhalation**: Inhaled corrosive substances can lead to a toxic oedema of the lungs. Symptoms may be delayed.
- **Ingestion**: Ingestion causes burns of the upper digestive and respiratory tracts.

Chronic Toxicity

- **Carcinogenicity**: Contains no ingredient listed as a carcinogen
- **Sensitization**: No information available.
- **Neurological Effects**: No information available.
- **Mutagenic effects**: No information available.
- **Reproductive Effects**: No information available.
- **Developmental Effects**: No information available.
- **Target Organ Effects**: No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Microtox</th>
<th>Waterflea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid</td>
<td></td>
<td>3 - 3.5: 96 h Gambusia affinis mg/L LC50</td>
<td></td>
<td>4.6: 12 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>Iodine</td>
<td></td>
<td>LC50 (96 h) 0.53 mg/L</td>
<td></td>
<td>LC50 (48 h) 0.16 mg/L</td>
</tr>
</tbody>
</table>

Persistence and degradability: No information available

Mobility: Will likely be mobile in the environment due to its water solubility.

Biodegradation: No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Should not be released into the environment. It must undergo special treatment,
e.g. at suitable disposal site, to comply with local regulations.

Contaminated Packaging
Clean container with water. Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>Un-No</th>
<th>1760</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper Shipping Name</td>
<td>Corrosive liquid, n.o.s</td>
</tr>
<tr>
<td>Technical name</td>
<td>Phosphoric acid, Iodine</td>
</tr>
<tr>
<td>Hazard Class</td>
<td>8</td>
</tr>
<tr>
<td>Packing Group</td>
<td>III</td>
</tr>
<tr>
<td>Hazchem Code</td>
<td>2R</td>
</tr>
<tr>
<td>EPG Code</td>
<td>8A1</td>
</tr>
</tbody>
</table>

15. REGULATORY INFORMATION

Poison Schedule Number Schedule 6
APVMA Approval Number 54469

16. OTHER INFORMATION

Text of R phrases mentioned in Section 3
R34 - Causes burns
R50 - Very toxic to aquatic organisms
R20/21 - Harmful by inhalation and in contact with skin

Prepared By DeLaval NV
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9031 Gent
Belgium

Preparation Date: 24-Aug-2015
Revision Date: 24-Aug-2020
Revision Number: 2
Reason for revision update.

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End of SDS