MATERIAL SAFETY DATA SHEET

IODOPHOR

1.1 Product Identifiers:

Product Name: Iodophor

CAS No: 39392-86-4

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

Identified uses: Sanitizer

1.3 Details of the supplier of the safety data sheet

Supplier: Infinium Pharmachem Pvt. Ltd.(AN ISO 9001:2008 CERTIFIED CO.)

38, G.I.D.C, Sojitra

Dist: Anand

Gujarat, India

Tel: 0091-2697-234987

Fax: 0091-2697-234987

Email: info@infiniumpharmachem.com

Synonyms: Not known

CAS No.: 39392-86-4

Molecular Weight: N.A.

Chemical Formula: N.A

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

3.2 Label Elements

Classification
Corrosive

R-phrase(s)
R34      Causes burns

S-Phrase(s)
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
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection

3.3 Supplemental Hazard
none

Statements

4.1 Description of first aid measures

Eye Contact:
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid immediately.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Inhalation:
Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

Ingestion:
If swallowed, do NOT induce vomiting. Get medical aid immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.

4.2 Most Important symptoms & efforts, both acute and delayed

   Treat symptomatically and supportively

4.3 Indication of any immediate medical attention and special treatment needed
   No data available.

5.1 Extinguishing Media

   Use water spray, dry chemical, carbon dioxide, or appropriate foam.

5.2 Autoignition Temperature:
   Not available

5.3 Explosion Limits:
   Lower: Not available   Upper: Not available

5.4 NFPA Rating:
   (estimated) Health: 3; Flammability: 0; Instability: 0

6.1 General Information:
   Use proper personal protective equipment as indicated in Section 8.

6.2 Spills/Leaks:
   Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.

7.1 Precautions for safe handling
   Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Do not breathe dust, mist, or vapor. Do not get in eyes, on skin, or on clothing. Keep container tightly closed. Do not ingest or inhale. Use only in a chemical fume hood. Discard contaminated shoes.

7.2 Conditions for safe Storage, including any incompatibilities
Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

8.1 Harmful substances, occupational exposure limit values to be controlled
Not specified
Provide ventilation, locally.

8.2 Exposure controls
Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Personal Protection
Eyes protection:
Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin protection:
Wear appropriate protective gloves to prevent skin exposure.

Clothing:
Wear appropriate protective clothing to prevent skin exposure.
Respirators:
A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

9.1 Information on Basic physical & chemical properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
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<tr>
<td>Odor</td>
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</tr>
<tr>
<td>pH</td>
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<tr>
<td>Vapor Pressure</td>
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</tr>
<tr>
<td>Vapor Density</td>
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<tr>
<td>Evaporation Rate</td>
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<tr>
<td>Viscosity</td>
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</tr>
<tr>
<td>Flash Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling Point</td>
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</tr>
</tbody>
</table>
**Freezing/Melting Point**: No data available
**Decomposition Temperature**: No data available
**Solubility in water**: No data available
**Specific Gravity/Density**: 1.01
**Molecular Formula**: Solution
**Molecular Weight**: No data available

### 9.2 Other safety Information
No data available

### 10.1 Reactivity
no data available

### 10.2 Chemical stability
Stable under recommended storage conditions.

### 10.3 Possibility of hazardous polymerization
Will not occur

### 10.4 Conditions to avoid
Extremes of temperature and direct sunlight.

### 10.5 Incompatible materials
Strong reducing agents, active metals, acetaldehyde, acetylene, powdered aluminum, ammonium Hydroxide

### 10.6 Hazardous decomposition products
Hydrogen iodide, iodine, iodide ions (I-)  

### 11.1 Information on toxicological effects

**High toxicity**
LD50/LC50:
- CAS# 7732-18-5:
  - Oral, rat: LD50 = >90 mL/kg.
- CAS# 7664-38-2:
  - Draize test, rabbit, eye: 119 mg Severe
Draize test, rabbit, skin: 595 mg/24H Severe Inhalation, mouse: LC50 = 25.5 mg/m3
Inhalation, rat: LC50 = >850 mg/m3/1H
Inhalation, rat: LC50 = 25.5 mg/m3
Oral, mouse: LD50 = 1.25 gm/kg
Oral, rat: LD50 = 1530 mg/kg
Oral, rat: LD50 = 1.25 gm/kg
Skin, rabbit: LD50 = 2740 mg/kg.
CAS# 7553-56-2:
Oral, mouse: LD50 = 22 gm/kg
Oral, mouse: LD50 = 1000 mg/kg
Oral, rabbit: LD50 = 10 gm/kg
Oral, rat: LD50 = 14 gm/kg.

**Epidemiology:**
No information found

**Teratogenicity:**
No information found

**Reproductive:**
No information found

**Mutagenicity:**
No information found

**Neurotoxicity:**
No information found

**Additional Information**
RTECS: no data available

**12.1 Ecotoxicity:**
Fish: Pseudomonas putida:

**12.2 Persistence and degradability**
no data available

**12.3 Bioaccumulative potential**
12.4 Mobility in soil
Will likely be mobile in the environment due to its water solubility.

12.5 Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects
no data available

13.1 Waste treatment methods

Product
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.

14.1 UN number
ADR/RID: 1760  
IMDG: 1760  
IATA: 1760

14.2 UN proper shipping name
ADR/RID: CORROSIVE LIQUID, N.O.S. (Iodine, Phosphoric acid)  
IMDG: CORROSIVE LIQUID, N.O.S. (Iodine, Phosphoric acid)  
IATA: CORROSIVE LIQUID, N.O.S. (Iodine, Phosphoric acid)

14.3 Transport hazard class (es)
ADR/RID: 8  
IMDG: 8  
IATA: 8

14.4 Packaging group
ADR/RID: II  
IMDG: II  
IATA: II

14.5 Environmental hazards
ADR/RID: no  
IMDG Marine pollutant: no  
IATA: no
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

no data available

15.2 Chemical Safety Assessment

no data available

Disclaimer:

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Revision #1 Date: 31-12-2017

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