1. Product and Company Identification

Product Name: Povidone Iodine Pads and Swabsticks  
MSDS No.: 0054

CAS #:
Mixture

Product use:
Antiseptic

Manufacturer:
Professional Disposables International, Inc.
Two Nice-Pak Park
Orangeburg, NY 10962-1376
Distributed by:
Professional Disposables International Ltd, Ontario CA
Phone (USA) 1-845-365-1700 (M-F 8am - 5pm)
Phone (CANADA) 1-800-263-7067

LEGEND

HMIS/NFPA

Health 1

Flammability 0

Physical Hazard 0

Personal Protection

2. Hazards Identification

Emergency overview
CAUTION
CAUSES EYE IRRITATION.
May cause chronic toxic effects.

Potential short term health effects

Routes of exposure
Eye, Skin contact, Skin absorption, Inhalation, Ingestion.

Eyes
Causes irritation.

Skin
In case of skin irritation, discontinue use of the product.
Topical application of povidone-iodine elevates serum concentrations of iodine.

Inhalation
Not a normal route of exposure. May cause respiratory tract irritation.

Ingestion
Not a normal route of exposure. May cause stomach distress, nausea or vomiting.

Target organs
Eyes. Skin.

Chronic effects
Prolonged or repeated exposure can cause drying, defatting and dermatitis.

Signs and symptoms
Symptoms may include redness, edema, drying, defatting and cracking of the skin.
Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Pyrrolidinone, 1-ethenyl-, homopolymer, compound with iodine</td>
<td>25655-41-8</td>
<td>7 - 13</td>
</tr>
</tbody>
</table>

4. First Aid Measures

First aid procedures

Eye contact
Flush with cool water. Remove contact lenses, if applicable, and continue flushing.
Obtain medical attention if irritation persists.

Skin contact
In case of skin irritation, discontinue use of product.

Inhalation
Not a normal route of exposure. If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

Ingestion
Not a normal route of exposure. Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

Notes to physician
Symptoms may be delayed.
General advice

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children. Avoid contact with eyes.

5. Fire Fighting Measures

Flammable properties

- Not flammable by WHMIS/OSHA criteria.

Extinguishing media

- Suitable extinguishing media: Treat for surrounding material.
- Unsuitable extinguishing media: Not available

Protection of firefighters

- Specific hazards arising from the chemical: Not available
- Protective equipment for firefighters: Firefighters should wear full protective clothing including self contained breathing apparatus.

Hazardous combustion products

- May include and are not limited to: Oxides of carbon, Oxides of nitrogen, Iodine.

Explosion data

- Sensitivity to mechanical impact: Not available
- Sensitivity to static discharge: Not available

6. Accidental Release Measures

Personal precautions

- Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

Methods for containment

- Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up

- Pick up and discard.

7. Handling and Storage

Handling

- Use good industrial hygiene practices in handling this material.

Storage

- Keep out of reach of children. Store in a closed container away from incompatible materials.

8. Exposure Controls / Personal Protection

Exposure limits

- Ingredient(s): 2-Pyrrrolidinone, 1-ethenyl-, homopolymer, compound with iodine
- Exposure Limits:
  - ACGIH-TLV: Not established
  - OSHA-PEL: Not established

Engineering controls

- General ventilation normally adequate.

Personal protective equipment

- Eye / face protection: Follow standard industrial hygiene practices.
- Hand protection: Follow standard industrial hygiene practices.
- Skin and body protection: As required by employer code.
- Respiratory protection: Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
- General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

9. Physical & Chemical Properties

- Appearance: Liquid saturated on pad / Swabstick saturated with liquid
- Color: Yellow to Dark reddish brown
- Form: Swabstick saturated with liquid / Liquid saturated on pad
Odor: iodine
Odor threshold: Not available
Physical state: Solid
pH: Not available
Melting point: Not available
Freezing point: Not available
Boiling point: 97.22 °C (207 °F)
Flash point: Not available
Evaporation rate: Not available
Flammability limits in air, lower, % by volume: Not available
Flammability limits in air, upper, % by volume: Not available
Vapor pressure: Not available
Vapor density: Not available
Specific gravity: Not available
Octanol/water coefficient: Not available
Solubility (H2O): Pad is not soluble/Stick is not soluble
Auto-ignition temperature: Not available
VOC (Weight %): Not available
Viscosity: Not available
Percent volatile: Not available

10. Chemical Stability & Reactivity Information

<table>
<thead>
<tr>
<th>Chemical stability</th>
<th>Stable under recommended storage conditions.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conditions to avoid</td>
<td>Do not mix with other chemicals.</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>May include and are not limited to: Oxides of carbon. Oxides of nitrogen. Iodine.</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>Hazardous polymerization does not occur.</td>
</tr>
</tbody>
</table>

11. Toxicological Information

**Component analysis - LC50**

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Pyrrolidinone, 1-ethenyl-, homopolymer, compound with iodine</td>
<td>Not available</td>
</tr>
</tbody>
</table>

**Component analysis - Oral LD50**

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Pyrrolidinone, 1-ethenyl-, homopolymer, compound with iodine</td>
<td>8100 mg/kg mouse; 8000.1 mg/kg rat</td>
</tr>
</tbody>
</table>

**Effects of acute exposure**

- **Eye**: Causes irritation.
- **Skin**: In case of skin irritation, discontinue use of the product.
  Topical application of povidone-iodine elevates serum concentrations of iodine.
- **Inhalation**: Not a normal route of exposure. May cause respiratory tract irritation.
- **Ingestion**: Not a normal route of exposure. May cause stomach distress, nausea or vomiting.

**Sensitization**: Non-hazardous by WHMIS/OSHA criteria.

**Chronic effects**: Chronic ingestion of iodides may produce ‘iodism’ which is characterized by skin rash, nasal discharge, sneezing, fever, headaches, weakness, anemia and loss of weight.

**Carcinogenicity**: Non-hazardous by WHMIS/OSHA criteria.

**Mutagenicity**: Non-hazardous by WHMIS/OSHA criteria.

**Reproductive effects**: Non-hazardous by WHMIS/OSHA criteria.

**Teratogenicity**: Non-hazardous by WHMIS/OSHA criteria.
12. Ecological Information

<table>
<thead>
<tr>
<th>Category</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecotoxicity</td>
<td>Not available</td>
</tr>
<tr>
<td>Environmental effects</td>
<td>Not available</td>
</tr>
<tr>
<td>Aquatic toxicity</td>
<td>Not available</td>
</tr>
<tr>
<td>Persistence / degradability</td>
<td>Not available</td>
</tr>
<tr>
<td>Bioaccumulation / accumulation</td>
<td>Not available</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>Not available</td>
</tr>
<tr>
<td>Mobility in environmental media</td>
<td>Not available</td>
</tr>
<tr>
<td>Chemical fate information</td>
<td>Not available</td>
</tr>
<tr>
<td>Other adverse effects</td>
<td>Not available</td>
</tr>
</tbody>
</table>

13. Disposal Considerations

<table>
<thead>
<tr>
<th>Category</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waste codes</td>
<td>Not available</td>
</tr>
<tr>
<td>Disposal instructions</td>
<td>Discard after single use. Review federal, state/provincial, and local government requirements prior to disposal. Discard with solid waste. Dispose in accordance with all applicable regulations.</td>
</tr>
<tr>
<td>Waste from residues / unused products</td>
<td>Not available</td>
</tr>
<tr>
<td>Contaminated packaging</td>
<td>Not available</td>
</tr>
</tbody>
</table>

14. Transport Information

U.S. Department of Transportation (DOT)
- Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)
- Not regulated as dangerous goods.

15. Regulatory Information

Canadian federal regulations
- This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.
- NPN 00489948 - Pad/ NPN 00489964 - Swabstick

US Federal regulations
- This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200 due to the presence of listed sensitizers. All components are on the U.S. EPA TSCA Inventory List.

Occupational Safety and Health Administration (OSHA)
- 29 CFR 1910.1200 hazardous chemical: Yes

CERCLA (Superfund) reportable quantity
- Sodium hydroxide: 1000.0000

Superfund Amendments and Reauthorization Act of 1986 (SARA)
- Hazard categories
  - Immediate Hazard - Yes
  - Delayed Hazard - Yes
  - Fire Hazard - No
  - Pressure Hazard - No
  - Reactivity Hazard - No
- Section 302 extremely hazardous substance: No
- Section 311 hazardous chemical: Yes

Clean Air Act (CAA)
- Not available

Clean Water Act (CWA)
- Not available

Safe Drinking Water Act (SDWA)
- Not available

Drug Enforcement Agency (DEA)
- Not available

Food and Drug Administration (FDA)
- Not available
WHMIS classification
Exempt - Registered product - (NHP see above)

State regulations
This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Inventory name

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

Disclaimer
Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

Recommended use
For external use only.

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Prepared by
Dell Tech Laboratories Ltd. (519) 858-5021