

1. Product and Company Identification

Product Name	Povidone Iodine 10%(Powder)
CAS #	Mixture
Product use	Antiseptic
Manufacturer	Swadesh Life Science H-103, Sumel 7, Near Soni ni chali BRTS, Rakhial, Ahmedabad,Gujarat, India

2. Hazards Identification

Emergency overview	CAUTION CAUSES EYE IRRITATION.
Potential short term health effects	May cause chronic toxic 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

Ingredient(s)	CAS #	Percent
2-Pyrrolidinone, 1-ethenyl-, homopolymer, compound with iodine	25655-41-8	10%

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

Notes to physician General advice

anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.
Symptoms may be delayed.
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	
Extinguishing media	Not flammable by WHMIS/OSHA criteria.
Suitable extinguishing media	Treat for surrounding material.
Unsuitable extinguishing media	
Protection of firefighters	Not available
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

Exposure Limits

Ingredient(s)

2-Pyrrolidinone, 1-ethenyl-, homopolymer compound with iodine

ACGIH-TLV

Not established

Engineering controls

General ventilation normally adequate. Use in a well-ventilated area

Personal protective equipment

Eye / face protection

Avoid eye contact with vapors, mists, or spray.

Hand protection

Not applicable.

Skin and body protection

Avoid prolonged or repetitive exposition.

Respiratory protection

Avoid breathing of vapours, mists or spray.

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 in bottle or in a pouch containing a pad / swabstick saturated with liquid **Color**

Yellow to Dark reddish brown

Odor

iodine

Odor threshold

Not available

Physical state

Liquid

Melting point

Not available

Freezing point

Not available

Boiling point

97.22 °C (207 °F)

Flash point

Not available

Evaporation rate

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

10. Chemical Stability & Reactivity Information

Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Caustics. Oxidizers. Reducing agents.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Oxides of nitrogen. Iodine.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
2-Pyrrolidinone, 1-ethenyl-, homopolymer, compound with iodine	Not available

Component analysis - Oral LD50

Ingredient(s)	LD50
2-Pyrrolidinone, 1-ethenyl-, homopolymer, compound with iodine	8100 mg/kg mouse; 8000.1 mg/kg rat

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

Ecotoxicity	Not available
Environmental effects	Not available
Aquatic toxicity	Not available
Persistence / degradability	Not available
Bioaccumulation / accumulation	Not available
Partition coefficient	Not available
Mobility in environmental media	Not available
Chemical information	Not available Other
adverse effects	Not available

13. Disposal Considerations

Waste codes

Not available

Disposal instructions
and

Discard after single use. Review federal, state/provincial,

local government requirements prior to disposal. Discard
with solid waste. Dispose in accordance with all applicable
regulations.

Waste from residues / unused products
Contaminated packaging

Not available

Not available