



### SAFETY DATA SHEET

#### 1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers	
i	Product Name : <b>Povidone Iodine</b>
ii	Chemical Formula : C <sub>6</sub> H <sub>9</sub> I <sub>2</sub> NO
iii	CAS No. : 25655-41-8
iv	EC No. : 607-771-8
v	HSN Code : 29333990
vi	Hazardous : Yes
vii	Content : Minimum 9% to Maximum 12% Iodine
viii	Appearance : Yellow reddish brown powder
1.2 Relevant identified uses of the substance	
i	Identified uses : Decrease the risk of infection
1.3 Details of Manufacturer	
i	Company : <b>Samrat Pharmachem Limited</b>
ii	Address : Plot No. A2/3445, GIDC, Phase 4, Ankleshwar – 393002, Gujarat, India.
iii	Phone : +91-7045456789 / 7046456789
iv	Email : <a href="mailto:contact@samratpharmachem.in">contact@samratpharmachem.in</a>
v	Webpage : <a href="http://www.samratpharmachem.com">www.samratpharmachem.com</a>
1.4 Emergency Number	
	Emergency Phone : +91-7045456789 / 7046456789



#### 2. HAZARD IDENTIFICATION

2.1 Classification of substance	
Non-hazardous in accordance with international standards for workplace safety.	
2.2 GHS Label elements, including precautionary statements	
Not applicable	





### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

No data available

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Substances

Molecular Weight	: 364.94 g/mol
Constituent Elements	: C <sub>6</sub> H <sub>9</sub> I <sub>2</sub> NO

## 4. FIRST AID MEASURES

### 4.1 Symptoms

i	<b>Most important symptoms and effects, both acute and delayed</b> Eye Burn / Irritation, prolonged exposure may cause dermatitis
ii	<b>Indication of any immediate medical attention &amp; special treatment needed</b> If seeking medical attention, provide SDS document to physician.

### 4.2 Description of first aid measures

i	Inhalation : No data available.
ii	Ingestion : Do NOT induce vomiting unless directed to do so by medical personnel. Rinse mouth out with water. Consult a doctor.
iii	Skin contact : Rinse and then wash skin with water and soap
iv	Eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.



## 5. FIRE FIGHTING MEASURES

### 5.1 Extinguishing media

i	Suitable extinguishing agents : Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray. Unsuitable extinguishing agents : A solid water stream may be inefficient
ii	Special hazards arising from the substance or mixture : Formation of toxic gases is possible during heating or fire. May include oxides of carbon nitrogen and products of iodine.
iii	Special remarks on Explosion Hazard : Not applicable
iv	Advice for firefighters : Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.





### 6. ACCIDENTAL RELEASE MEASURES

<b>6.1 Personal precautions, protective equipment &amp; emergency procedures</b>	
	Wear protective equipment. Use respiratory protective device against the effects of fumes/dust/aerosol. Keep unprotected persons away. Ensure adequate ventilation. Do not touch or walk on spilled product.
<b>6.2 Environmental precautions</b>	
	Corrosive solid. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed.
<b>6.3 Methods and material for containment and cleaning up</b>	
	Cover drains. Cover spill with non-combustible material e.g. sand, mud & vermiculite. Observe possible material restrictions. Use gloves to take up dry. Dispose-off properly. Clean up affected area carefully.



### 7. HANDLING AND STORAGE

<b>7.1 Precautions for safe handling</b>	
	Avoid breathing vapour or mist. Avoid contact with eyes, skin and clothing. When handling, use appropriate personal protective equipment. Wash thoroughly after handling. Releases to the environment should be avoided. Review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure or environmental releases. Potential points of process emissions of this material to the atmosphere should be controlled with dust collectors, HEPA filtration systems or other equivalent controls.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	
	Moisture Sensitive. Keep container tightly closed. Keep container in a cool, well-ventilated area.
<b>7.3 Specific end use(s)</b>	
	The product has applications in being used as a surgical hand scrub and to wash the skin and surface of the eye before surgery to help prevent infections.





### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>8.1 Control Parameters</b>	
i	No data available
<b>8.2 Exposure Controls</b>	
i	<i>Appropriate engineering controls</i>
	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
ii	<i>Personal protective equipment</i>
(a)	<i>Eye / face protection</i>
	Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent, Use gloves.
(b)	<i>Skin Protection</i>
	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
(c)	<i>Body Protection</i>
	Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
(d)	<i>Respiratory protection</i>
	No data available
(e)	<i>Control of environmental exposure</i>
	Do not let product enter drains.



### 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance</b>	Form: Solid Colour: Yellow reddish brown powder	<b>Flammability</b>	Not determined
<b>Odour</b>	A slight characteristic odour	<b>Vapour pressure</b>	Not determined
<b>Odour threshold</b>	Not determined	<b>Relative vapour density at 20°C</b>	Not determined
<b>pH-value</b>	2	<b>Relative density</b>	Not determined
<b>Melting/Freezing point</b>	No data available	<b>Solubility</b>	Not determined





<b>Boiling point</b>	Not determined	<b>Partition coefficient (n-octanol/water)</b>	Not determined
<b>Flash Point</b>	Not determined	<b>Auto/Self-ignition temperature</b>	Not determined
<b>Evaporation rate</b>	Not determined	<b>Decomposition temperature</b>	Not determined
<b>Flammability</b>	Not determined	<b>Viscosity</b>	Not determined
<b>Density</b>	Not determined	<b>Poison Class</b>	Not determined

### 10. STABILITY & REACTIVITY

(a)	Reactivity	: Non-reactive under normal conditions.
(b)	Chemical stability	: No decomposition if used and stored according to specifications.
(c)	Possible hazardous reactions	: None under normal processing. Can react violently on contact with incompatibles
(d)	Conditions to avoid	: Avoid high temperatures exposure to direct sunlight, & avoid contact with incompatible materials
(e)	Incompatible material	: As a precautionary measure keep away from oxidizing material.
(f)	Hazardous decomposition products	: No data available



### 11. TOXICOLOGICAL INFORMATION

<b>11.1 Information on toxicological effects</b>		
Oral	LD50 Rat	>8000 mg/kg
<b>11.2 Corrosion Irritation</b>		
	Serious eye damage / irritation	May cause eye irritation.
	Respiratory or skin irritation	Did not cause sensation.
	Germ cell mutagenicity	Mutagenicity tests are positive against bacteria and yeast.
	Carcinogenicity	Did not show carcinogenic effects in experiments
	Reproductive Toxicity	Not classified





### 12. ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>		
Not evaluated		
<b>12.2 Persistence and degradability</b>		
(a)	Persistence and degradability	Biodegradability
(b)	Biodegradation	Not applicable
<b>12.3 Bio accumulative potential</b>		
(a)	BCF – Other aquatic organisms	No data available
(b)	Partition coefficient n-octanol/water (Log Kow)	No data available
(c)	Bioaccumulative potential	No data available
<b>12.4 Mobility in Soil</b>		
(a)	Partition coefficient n-octanol/water (Log Koc)	No data available
<b>12.5 Results of PBT and vPvB assessment</b>		
No data available		
<b>12.6 Other adverse effects</b>		
Not known		



### 13. DISPOSAL CONSIDERATIONS

<b>13.1 Waste disposal recommendation's</b>	
i	General instructions
	Dispose of waste in accordance with all applicable laws and regulations. Member State specific and Community specific provisions must be considered. Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater
ii	Product / Packaging disposal recommendations
	Avoid release to the environment



### 14. TRANSPORT INFORMATION

i	Not regulated for transport under USDOT, EUADR, IATA, or IMDG regulations
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### 15. REGULATORY INFORMATION

<b>15.1 EU - Regulations</b>	
i	<b>EU Indication of danger:</b> Not classified
ii	<b>OSHA Label</b> : Non-hazardous in accordance with international standards for workplace safety.



### 16. OTHER INFORMATION

<b>16.1 NFPA Rating</b>										
i	Health hazard	: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.								
ii	Fire hazard	: 1 - Materials that will not burn under typical dire conditions, including intrinsically non-combustible materials such as concrete, stone, and sand.								
iii	Reactivity	: 0 - Material that in themselves are normally stable, even under fire conditions.								
<b>16.2 HMIS Rating</b>		<table border="1"> <tr> <td><b>Health</b></td> <td align="right"><b>2</b></td> </tr> <tr> <td><b>Fire</b></td> <td align="right"><b>1</b></td> </tr> <tr> <td><b>Reactivity</b></td> <td align="right"><b>0</b></td> </tr> <tr> <td><b>Personal protection</b></td> <td align="right"><b>E</b></td> </tr> </table>	<b>Health</b>	<b>2</b>	<b>Fire</b>	<b>1</b>	<b>Reactivity</b>	<b>0</b>	<b>Personal protection</b>	<b>E</b>
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<b>Fire</b>	<b>1</b>									
<b>Reactivity</b>	<b>0</b>									
<b>Personal protection</b>	<b>E</b>									
i	Health	: 2 - Moderate Hazard - Temporary or minor injury may occur								
ii	Flammability	: 1 - Minimal Hazard - Materials that will not burn								
iii	Physical	: 0 - Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.								
vi	Personal Protection	: E - Gloves. Synthetic apron. Vapour and dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.								
<b>16.3 Further Information</b>										
	The above information is derived from the available literature & believed to be correct but may not be complete & conclusive. The company shall not be responsible for any damage resulting from handling or usage of the product. The information shall be used only as a guide.									

**DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable