



### SAFETY DATA SHEET

#### 1. PRODUCT AND COMPANY IDENTIFICATION


1.1 Product identifiers	
i	Product Name : <b>3,5-Diiodosalicylic Acid</b>
ii	Chemical Formula : C <sub>7</sub> H <sub>4</sub> I <sub>2</sub> O <sub>3</sub>
iii	CAS No. : 133-91-5
iv	EC No. : 205-124-0
v	HSN Code : 29182990
vi	Hazardous : Yes
vii	Content : Minimum 99.0%
viii	Appearance : White to cream
1.2 Relevant identified uses of the substance	
i	Identified uses : Laboratory chemicals, manufacture of antiseptics and disinfectants
1.3 Details of Manufacturer	
i	Company : <b>Samrat Pharmachem Limited</b>
ii	Address : Plot No. A2/3444-3445, 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	
i	Emergency Phone : +91-7045456789 / 7046456789



#### 2. HAZARD IDENTIFICATION

2.1 Classification of substance			
<i>Classification according to Regulation (EC) No 1272/2008</i>			
i	H315	Skin Corrosion / Irritation	: Causes skin irritation (Category 2)
ii	H319	Eye Irritation	: Causes serious eye irritation (Category 2)
iii	H335	Specific Target Organ Toxicity (Respiratory)	: May cause respiratory irritation; Single Exposure (Category 3)
iv	H302	Harmful if swallowed	: Oral acute toxicity (Category 4)
v	H312	Harmful in contact with skin	: Dermal acute toxicity (category 4)
vi	H332	Harmful if inhaled	: Inhalation acute toxicity (Category 4)



2.2 GHS Label elements, including precautionary statements	
i	Pictogram : 
ii	Signal word : Danger
iii	Hazard Statement(s)
	H315 : Causes skin irritation
	H319 : Causes serious eye irritation
	H335 : May cause respiratory irritation
	H302 : Harmful if swallowed
	H312 : Harmful in contact with skin
	H332 : Harmful if inhaled
iv	Precautionary Statement(s)
	P261 : Avoid breathing dust / fumes / gas / mist / vapours / spray
	P264 : Wash exposed skin thoroughly after handling
	P264+P265 : Wash hands [and ...] thoroughly after handling. Do not touch eyes.
	P270 : Do not eat, drink or smoke when using this product.
	P271 : Use outdoors or in a well-ventilated area
	P280 : Wear protective clothing, gloves, eye & face equipment
	P302 + P352 : IF ON SKIN: Wash with plenty of water.
	P305 + P351 + P338 : IF IN EYES: Rise cautiously with water for several minutes. Remove contact lenses in present.



2.3 Hazards not otherwise classified (HNOC) or not covered by GHS
None identified

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances	
i	Molecular Weight : 389.91 g/mol
ii	Constituent Elements : C <sub>7</sub> H <sub>4</sub> I <sub>2</sub> O <sub>3</sub>





### 4. FIRST AID MEASURES

<b>4.1 Symptoms</b>	
i	<b>Most important symptoms and effects, both acute and delayed</b>
	Inhalation, eye contact, skin contact, ingestion. Skin contact may result in inflammation characterized by itching, scaling, reddening, blistering, pain or dryness. Eye contact may result in redness, pain or severe eye damage. Inhalation may cause irritation of the lungs and respiratory system. Overexposure may result in serious illness or death.
ii	<b>Indication of any immediate medical attention &amp; special treatment needed</b>
	If seeking medical attention, provide SDS document to physician.
<b>4.2 Description of first aid measures</b>	
i	<b>Inhalation</b> : If inhaled, move victim to fresh air. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
ii	<b>Ingestion</b> : Do NOT induce vomiting unless directed to do so by medical personnel. Rinse mouth out with water. If you feel still feel unwell, immediately make victim drink a slurry of activated charcoal in water (two glasses at most). Consult a doctor.
iii	<b>Skin contact</b> : Take off immediately all contaminated clothing. Wash skin with plenty of water. Cover the irritated skin with an emollient. If skin irritation occurs: Get medical advice/attention.
iv	<b>Eye contact</b> : 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

<b>5.1 Extinguishing media</b>	
i	<b>Suitable extinguishing agents</b> : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
ii	<b>Special hazards arising from the substance or mixture</b> : Carbon oxides Hydrogen Iodide Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.
iii	<b>Special remarks on Explosion Hazard</b> : Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
iv	<b>Advice for firefighters</b> : Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing NIOSH approved or equivalent protective clothing. During a fire, irritating and highly





		toxic gases may be generated by thermal decomposition or combustion.
v	Additional information	: Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

### 6. ACCIDENTAL RELEASE MEASURES

<b>6.1 Personal precautions, protective equipment &amp; emergency procedures</b>	
i	Wear protective equipment and keep unprotected personnel away. Ensure adequate ventilation. Remove all sources of ignition. Prevent further leak or spill if safe to do so.
<b>6.2 Environmental precautions</b>	
i	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; dyke if needed. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the SDS and with local authorities.
<b>6.3 Methods and material for containment and cleaning up</b>	
i	Cover drains. Cover spill with non-combustible material e.g. sand, mud & vermiculite. Observe possible material restrictions (see sections 7 and 10). Use gloves to take up dry. Dispose-off properly. Clean up affected area carefully.
<b>6.4 Reference to other sections</b>	
i	For disposal see section 13



### 7. HANDLING AND STORAGE

<b>7.1 Precautions for safe handling</b>	
i	Handling is performed in a well-ventilated place. Wear suitable protective equipment. Prevent dispersion of dust. Wash hands and face thoroughly after handling. Use a local exhaust if dust or aerosol will be generated. Avoid contact with skin, eyes and clothing.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	
i	Tightly closed. Dry & keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons. Recommended storage temperature see the product label. Storage class (TRGS 510): 6.1D: Non-combustible, acute toxic Cat.3 / toxic hazardous materials or hazardous materials causing chronic effects. Do not pack material in metals, steel, iron or zinc.





<b>7.3 Specific end use(s)</b>	
i	Apart from the uses mentioned in section 1.2 the product has applications in the following industries X-ray contrast agents, Antimicrobial agents, LCD Polarizer, Industrial catalysts, Animal feed, Edible Salt & as a Stabiliser in tyres & airbags.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>8.1 Control Parameters</b>	
i	No data found
<b>8.2 Exposure Controls</b>	
i	<i>Appropriate engineering controls</i>
ii	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.
<i>Personal protective equipment</i>	
(a)	<b>Eye / face protection</b>
	Use chemical splash resistant safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses
(b)	<b>Skin Protection</b>
	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)	<b>Body Protection</b>
	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)	<b>Respiratory protection</b>
	Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
(e)	<b>Control of environmental exposure</b>
	Do not let product enter drains.





### 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance</b>	Form: Solid Colour: White to cream	<b>Flammability</b>	Not determined
<b>Odour</b>	Odourless	<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>	No information available	<b>Relative density</b>	Not determined
<b>Melting point</b>	227-235°C	<b>Solubility</b>	No data available
<b>Boiling point</b>	Not available	<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>	No data available	<b>Viscosity</b>	Not determined
<b>Density</b>	No data available	<b>Poison Class</b>	Not determined



### 10. STABILITY & REACTIVITY

i	Reactivity	: None known, based on current information available.
ii	Chemical stability	: Stable under normal conditions.
iii	Possible hazardous reactions	: Violent reactions possible with: Oxidizing agents alkaline
iv	Conditions to avoid	: Avoid high temperatures exposure to direct sunlight, & avoid contact with incompatible materials.
v	Incompatible material	: Strong reducing agents, metals, metallic powder & strong oxidisers, strong bases.
vi	Hazardous decomposition products	: Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, hydrogen iodide.





### 11. TOXICOLOGICAL INFORMATION

<b>11.1 Information on toxicological effects</b>			
i	Oral	LD50 Rat	300 - 2000 mg/kg
ii	Dermal	LD50 Rabbit	Not available
iii	Inhalation	LC50 Rat (Dust / Mist)	Not available
iv	Additional Information:	Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled. Over exposure may cause death.	
<b>11.2 Corrosion Irritation</b>			
i	Serious eye damage / irritation		Causes serious eye irritation
ii	Respiratory or skin irritation		Causes skin irritation
iii	Germ cell mutagenicity		No data available
iv	Carcinogenicity		No data available
v	Reproductive Toxicity		Not data available
<b>11.3 Additional information</b>			
i	No data available		



### 12. ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>		
No data available		
<b>12.2 Persistence and degradability</b>		
(a)	Persistence and degradability	Biodegradability
(b)	Biodegradation	Not degradable in water
<b>12.3 Bio accumulative potential</b>		
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

13.1 Waste disposal recommendation's	
i	General instructions
	This material, containers & non-recyclable solutions should be offered to a licensed disposal company. Dispose of contents/container in accordance with licensed collectors sorting instructions. Dispose in a safe manner in accordance with local/national regulations. Do not discharge into drains.
ii	Product / Packaging disposal recommendations
	Avoid release to the environment



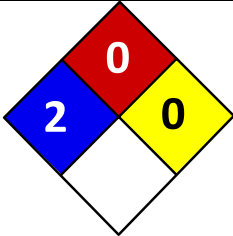
### 14. TRANSPORT INFORMATION

14.1 In accordance with ADR / IMDG / IATA / ADN / RID	
i	Not regulated

### 15. REGULATORY INFORMATION

15.1 Regulations	
i	<b>EU:</b> No information available
ii	<b>California Proposition 65:</b> This product does not contain any Proposition 65 chemicals
iii	<b>U.S. Department of Homeland Security:</b> This product does not contain any DHS chemicals

### 16. OTHER INFORMATION

16.1 NFPA Rating	
	
i	Health hazard : 2 - Materials that, Intense or continued but not chronic exposure could cause temporary incapacitation or possible residual injury
ii	Fire hazard : 0 - 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.







# Samrat Pharmachem Limited

Manufacturers & Exporters of Pharmaceutical Chemicals

16.2 HMIS Rating		Health
		Fire
		Reactivity
		Personal protection
i	Health	: No data available
ii	Flammability	: No data available
iii	Physical	: No data available
vi	Personal Protection	: No data available
<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