



SAFETY DATA SHEET

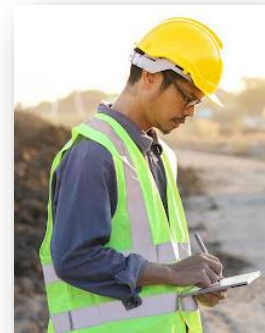
1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers		
i	Product Name	: Iodoquinol
ii	Chemical Formula	: $C_9H_5I_2NO$
iii	CAS No.	: 83-78-8
iv	EC No.	: 201-497-9
v	Hazardous	: Yes
vi	Appearance	: yellowish brown powder
vii	HSN No.	: 29332990
1.2 Relevant identified uses of the substance		
i	Identified uses	: Veterinary medication, Laboratory chemical agent.
1.3 Details of Manufacturer		
i	Company	: Samrat Pharmachem Limited
ii	Address	: Plot No. A2/3445, GIDC, Phase 4, Ankleshwar – 393002, Gujarat, India.
iii	Phone	: +91-7045456789 / 7046456789
iv	Email	: contact@samratpharmachem.in
v	Webpage	: www.samratpharmachem.com
1.4 Emergency Number		
i	Emergency Phone	: +91-7045456789 / 7046456789




2. HAZARD IDENTIFICATION

2.1 Classification of substance			
i	H302	Acute toxicity, oral	: (Category 4)
ii	H312	Acute toxicity (dermal)	: (Category 4)
iii	H315	Skin irritation	: (Category 2)
iv	H319	Eye irritation	: (Category 2)
v	H332	Acute toxicity(Inhalation)	: (category 4)
vi	H335	Specific target organ toxicity-repeated exposure	: (Category 3)





2.2 GHS Label elements, including precautionary statements	
i	Pictogram : 
ii	Signal word : Danger
iii	Hazard Statement(s)
	H302+ H312+ H332 : Harmful if swallowed, contacting with skin or inhaled
	H315 : Causes skin irritation
	H319 : Causes serious eye irritation.
iv	Precautionary Statement(s)
	P261 : Avoid breathing dust/fume/gas/mist/vapors/spray.
	P264 : Wash hands thoroughly after handling the material.
	P270 : Do not eat, drink or smoke when using this product.
	P271 : Use only outdoors or in a well-ventilated area.
	P280 : Wear protective gloves/ eye protection/ face protection.
	P305 + P351 + P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P312 : Call a poison doctor if you feel unwell.
	Supplemental Hazard statement : None



2.3 Hazards not otherwise classified (HNOC) or not covered by GHS	
	No additional data found.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances	
i	Molecular Weight : 396.95 g/mol
ii	Constituent Elements : C ₉ H ₅ I ₂ NO

4. FIRST AID MEASURES

4.1 Symptoms	
i	Most important symptoms and effects, both acute and delayed
	Sub-acute myelo-optic neuropathy, blurred vision, blindness, disturbances of ANS, greenish discoloration of tongue.
ii	Indication of any immediate medical attention & special treatment needed
	If seeking medical attention, provide SDS document to physician.





4.2 Description of first aid measures

i	Inhalation	: 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	Ingestion	: Do not induce vomiting unless directed to do so by medical personnel. Rinse mouth out with water. If still feeling unwell, immediately make victim drink water (two glasses at least). Administer activated charcoal if necessary. Consult a doctor.
iii	Skin contact	: 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	Eye contact	: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water and for several minutes. If eye irritation persists: Get medical advice/attention.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

i	Suitable extinguishing agents	: Co-ordinate firefighting to the fire surroundings.
ii	Special hazards arising from the substance or mixture	: Non-Combustible, Carbon monoxide (CO), Carbon dioxide (CO ₂), Hydrogen iodide (HI), Nitrogen oxides
iii	Special remarks on Explosion Hazard	: No data available
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.
v	Additional information	: No data available



6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment & emergency procedures

	Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, and consult an expert.
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6.2 Environmental precautions

	Do not let product enter drains. Use non-sparking tools and equipment. Pick up spill for recovery or disposal and place in a closed container.
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6.3 Methods and material for containment and cleaning up

	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions. Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
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7. HANDLING AND STORAGE

7.1	Precautions for safe handling
	Avoid raising dust. Use earthed equipment. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Keep the substance free from contamination. Thoroughly clean/dry the installation before use. Do not discharge the waste into the drain. Keep container tightly closed. Hygiene measures: Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
7.2	Conditions for safe storage, including any incompatibilities
	Storage conditions: Tightly closed. Dry. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons. Storage class: Storage class (TRGS 510): No data available
7.3	Specific end use(s)
	Apart from the uses mentioned in section 1.2 it is also used as a amebicide, anti-infective agent



8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1	Control Parameters
i	Ingredients with workplace control parameters
	No data available
8.2	Exposure Controls
i	Appropriate engineering controls
	Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Provide adequate general and local exhaust ventilation.
ii	Personal protective equipment
(a)	Eye / face protection
	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU) safety glasses.
(b)	Skin Protection
	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)	Body Protection
	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)	Respiratory protection
	Required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Recommended Filter type: Filter type P2 The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.
(e)	Control of environmental exposure
	Do not let product enter drains.



9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	Form: Powder Colour: yellowish brown	Explosiveness	No data available
Odour	odourless	Vapour pressure	No data available
Odour threshold	No data available	Relative vapour density at 20°C	No data available
pH-value	No data available	Relative density	No data available
Melting/Freezing point	200-215°C	Solubilities	Almost insoluble in water, Sparingly soluble in alcohol
Boiling point	218 °C	Partition coefficient (n-octanol/water)	No data available
Flash Point	No data available	Auto/Self-ignition temperature	No data available
Evaporation rate	No data available	Decomposition temperature	No data available
Flammability	No data available	Viscosity	No data available
Density	No data available	Poison Class	No data available



10. STABILITY & REACTIVITY

i	Reactivity	: This material is not reactive under normal ambient conditions.
ii	Chemical stability	: The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
iii	Possible hazardous reactions	: No data available
iv	Conditions to avoid	: No data available
v	Incompatible material	: No data available
vi	Hazardous decomposition products	: No data available



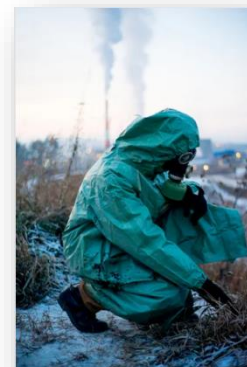


11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects			
i	Oral	LD rat	>40 gm/Kg
ii	Intravenous	LD50 mouse	56 mg/Kg
11.2 Corrosion Irritation			
i	Serious eye damage / irritation		No data available
ii	Respiratory or skin irritation		No data available
iii	Germ cell mutagenicity		No data available
iv	Carcinogenicity		No data available
v	Reproductive Toxicity		No data available
11.3 Additional information			
	No data available		

12. ECOLOGICAL INFORMATION

12.1 Toxicity			
i	Particulars	Type	Value
	Fish LC50	No data available	No data available
ii	Ecology – general	No data available	
iii	Ecology – air	No data available	
iv	Hazardous to aquatic environment – short term (acute)	No data available	
v	Hazardous to aquatic environment – long term (chronic)	No data available	
12.2 Persistence and degradability			
i	Persistence and degradability	No data available	
ii	Biodegradation	No data available	
12.3 Bio accumulative potential			
i	BCF – Other aquatic organisms	No data available	
ii	Partition coefficient n-octanol/water (Log Kow)	No data available	
iii	Bioaccumulative potential	No data available	
12.4 Mobility in Soil			
	No data available		
12.5 Results of PBT and vPvB assessment			
	No data available		
12.6 Other adverse effects			
	Not known		





13. DISPOSAL CONSIDERATIONS

13.1 Waste disposal recommendation's	
i	General instructions
	Waste must be disposed of in accordance with Federal, State and Local regulation.
ii	Product / Packaging disposal recommendations
	Avoid release to the environment



14. TRANSPORT INFORMATION

14.1 In accordance with ADR / IMDG / IATA / ADN / RID					
	ADR	IMDG	IATA	ADN	RID
i	UN Number				
	NA	NA	NA	NA	NA
ii	UN proper shipping name				
	NA	NA	NA	NA	NA
iii	Transport hazard class				
	NA	NA	NA	NA	NA
iv	Hazardous class symbols				
	Not regulated as a dangerous good in transportation.				
v	Packing group				
	NA	NA	NA	NA	NA
vi	Environment hazards: Dangerous for the environment				
	No	No	No	No	No
vii	Marine Pollutant				
	NA	No	NA	NA	NA



15. REGULATORY INFORMATION

15.1 Regulations	
i	TSCA : Complies

16. OTHER INFORMATION

16.1 NFPA Rating	
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Samrat Pharmachem Limited

Manufacturers & Exporters of Pharmaceutical Chemicals

i	Health hazard	: No data available				
ii	Fire hazard	: No data available				
iii	Reactivity	: No data available				
16.2 HMIS Rating						
<table><tr><td>Health</td></tr><tr><td>Fire</td></tr><tr><td>Reactivity</td></tr><tr><td>Personal Protection</td></tr></table>			Health	Fire	Reactivity	Personal Protection
Health						
Fire						
Reactivity						
Personal Protection						
i	Health	: No data available				
ii	Flammability	: No data available				
iii	Physical	: No data available				
iv	Personal Protection	: No data available				
16.3 Further Information						
	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.					

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