



## Section 1 - Chemical Product and Company Identification

**Product Name** Iodine Resublimed AR, 99.8%  
**Product Code** 52539  
**CAS No** 7553-56-2  
**Use for** Laboratory Chemicals.  
**Company Name** Sisco Research Laboratories Pvt. Ltd.  
**Address** 608, B Wing, Satellite Gazebo, Andheri Ghatkopar Link Road,  
Andheri (E), Mumbai - 400 099, India

## Section 2 - Composition/Information on Ingredients

CAS#	Chemical Name	%	EINECS#
7553-56-2	Iodine	99.8%	231-442-4

## Section 3 - Hazards Identification

Risk advice to man and the environment  
Harmful by inhalation and in contact with skin. Very toxic to aquatic organisms

## Section 4 - First Aid Measures

**Eyes:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.  
**Skin:** Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.  
**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.  
**Inhalation:** If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.  
**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance.

### Notes to Physician:

## Section 5 - Fire Fighting Measures

### Extinguishing Media

**Suitable:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### Special Protective

**Equipment For Firefighters:** Wear self contained breathing apparatus for fire fighting if necessary

## Section 6 - Accidental Release Measures

**Personal precautions:** Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Evacuate personnel to safe areas.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**Methods for cleaning up:** Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.



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## **Section 7 - Handling and Storage**

**Handling:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

**Storage:** Room Temperature. Keep container tightly closed in a dry and well-ventilated place.

## **Section 8 - Exposure Control / Personal Protection**



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**Personal Protective Equipment**

**Respiratory Protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand Protection:** The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

**Eye Protection:** Safety glasses

**Skin and body protection:** Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Hygiene measures:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

**Exposure Time**

Derived No Effect Level (DNEL) See table for values

Route of exposure	Acute effects(local) (systemic)	Acute effects (local)	Chronic effects (systemic)	Chronic effects
Oral				
Dermal		0.01 mg/kg/day	0.01 mg/kg/day	
Inhalation	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>	0.07 mg/m <sup>3</sup>	

**Predicted No Effect Concentration (PNEC) See values below**

Fresh water	18.13 ug/l
Fresh water sediment	3.99 mg/kg
Marine water	60.01 ug/l
Marine water sediment	20.22 mg/kg
Microorganisms in sewage treatment	11.0 mg/kg
Soil (Agriculture)	5.95 mg/kg

**Section 9 - Physical and Chemical Properties**

Physical State: Solid  
Molecular Formula: I  
Molecular Weight: 126.90

**Section 10 - Stability and Reactivity**



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**Storage stability:** Stable under recommended storage conditions.

**Materials to avoid:** Strong oxidizing agents

**Hazardous decomposition**

**Products formed under fire**

**conditions.** - No data available.

## Section 11 - Toxicological Information

**Acute toxicity:** LD50 Oral - rat - 14.000 mg/kg

**Irritation and corrosion:** No data available

**Sensitisation:** No data available

**Chronic exposure:** IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

## Signs And Symptoms

**Of Exposure:** No data available

## Route Of Exposure

**Inhalation:** No data available

**Skin :** No data available

**Eyes:** No data available

**Ingestion:** No data available

## Section 12 - Ecological Information

No data available

## Section 13 - Disposal Considerations

**Product:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging:** Dispose of as unused product.

## Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	Iodine		
Hazard Class:	8 (6.1)	8 (6.1)	8 (6.1)
UN Number:	3495	3495	3495
Packing Group:	III	III	III

## Section 15 - Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.



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# Safety Data Sheet

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## **Section 16 - Other Information**

Sisco Research Laboratories Pvt. Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.