Sodium lodide

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Product Description

Product Name: Recommended Use: Synonyms: Distributor:

Section 1

Sodium Iodide Science education applications Sodium Iodine, Sodium Monoiodide Carolina Biological Supply Company 2700 York Road, Burlington, NC 27215 1-800-227-1150 800-227-1150 (8am-5pm (ET) M-F) 800-424-9300 (Transportation Spill Response 24 hours)

Chemical Information: Chemtrec:

Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;



Section 2



Causes skin irritation. Causes serious eye irritation. May damage fertility or the unborn child. Very toxic to aquatic life.

GHS Classification:

Reproductive Toxicity Category 1A, Hazardous to the aquatic environment - Acute Category 1, Skin Corrosion/Irritation Category 2, Serious Eye Damage/Eye Irritation Category 2A

Other Safety Precautions:

IF exposed or concerned: Get medical advice/attention.

Section 3	Composition / Information on Ingredients			
<u>Chemical Name</u> Sodium Iodide	<u>CAS #</u> 7681-82-5	<u>%</u> 100		
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Section 4

First Aid Measures

Emergency and First	Aid Procedures				
Inhalation:	In case of accident by inhalation: remove casualty to fresh air and keep at rest.				
Eyes:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.				
Skin Contact:	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.				
Ingestion:	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.				
Section 5	Firefighting Procedures				

Section 6	Spill or Leak Procedures	
Fire and/or Explosion Hazards: Hazardous Combustion Products:	Fire or excessive heat may produce hazardous decomposition products. lodine (gas)	
Extinguishing Media: Fire Fighting Methods and Protection:	Use media suitable to extinguish surrounding fire. Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.	

Steps to Take in Case Material Is Released or Spilled:

Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.

Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation. Collect spillage.

Section 7

Handling and Storage

Handling:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required. Store locked up. Keep container tightly closed in a cool, well-ventilated place.

Storage:

Store away from light. Material is photodegradable.

Storage Code: Green - general chemical storage

Section 8	Protection Ir	nformation		
	ACGIH		OSHA PEL	
<u>Chemical Name</u>	<u>(TWA)</u>	<u>(STEL)</u>	<u>(TWA)</u>	<u>(STEL)</u>
Sodium Iodide	0.01 ppm TWA (inhalable fraction and vapor)	N/A	N/A	N/A
Control Parameters				
Engineering Measures:	Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.			
Personal Protective Equipment (PPE):	Lab coat, apron, eye wash, safety shower.			
Respiratory Protection:	Respiratory protection m	nay be required to avo	id overexposure wher	n handling this
	product. General or local exhaust ventilation is the preferred m			
	respirator if general roor			
Respirator Type(s):	None required where adequate ventilation is provided. If airborne concentrations are			
	above the applicable explicable e			
Eye Protection:	Wear chemical splash goggles when handling this product. Have an eye wash station available.			
Skin Protection:	Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.			
Gloves:	No information available)		

Section 9

Physical Data

Formula: Nal	Vapor Pressure: 1 mmHg at 767 °C
Molecular Weight: 149.89	Evaporation Rate (BuAc=1): No data available
Appearance: White Crystalline Solid	Vapor Density (Air=1): No data available
Odor: None	Specific Gravity: 3.67
Odor Threshold: No data available	Solubility in Water: Soluble
pH: No data available	Log Pow (calculated): No data available
Melting Point: 651 C	Autoignition Temperature: No data available
Boiling Point: 1304 C	Decomposition Temperature: No data available
Flash Point: No data available	Viscosity: No data available
Flammable Limits in Air: No data available	Percent Volatile by Volume: No data available

Section 10

Reactivity: Chemical Stability: Conditions to Avoid: Incompatible Materials:

Reactivity Data

Not generally reactive under normal conditions. Stable under normal conditions. Exposure to light. Strong oxidizing agents, Strong acids

Hazardous Decomposition Products: | Hazardous Polymerization:

lodine (gas) Will not occur

Hazardous Polymeriza	ation: W	/ill not occur				
Section 11		Toxic	city Data			
Routes of Entry Symptoms (Acute): Delayed Effects:	Inhalation and inge Hyperthyroidism Iodism	estion.				
Acute Toxicity: Chemical Name Sodium Iodide		CAS Number 7681-82-5	r Oral LD Oral LD50 R 4340 mg/kg			Inhalation LC50 lot determined
Carcinogenicity: Chemical Name No data available		CAS Number 7681-82-5	r IARC Not listed	Not lister	ITP d N	OSHA lot listed
Chronic Effects: Mutagenicity: Teratogenicity: Sensitization: Reproductive: Target Organ Effects: Acute: Chronic:	No evidence of a mutagenic effect. Evidence of a teratogenic effect (birth defect). No evidence of a sensitization effect. Evidence of negative reproductive effects. : No data available Thyroid					
Section 12			Ecological I	Data		
Overview: Mobility: Persistence: Bioaccumulation: Degradability: Other Adverse Effects	Severe ecological hazard. This product may be toxic to plants and/or wildlife. This material is expected to have high mobility in soil. It absorbs weakly to most soil types. Dissolved into water No data No data No data					
Chemical Name Sodium Iodide	CAS NumberEco Toxicity7681-82-5Aquatic LC50 (96h) Rainbow Trout 860 MG/L Aquatic EC50 (48h) Daphnia 0.17 MG/L					
Section 13 Disposal Information						
Disposal Methods:	Dispose in accordance with all applicable Federal, State and Local regulations. Always					
Waste Disposal Code(e(s): contact a permitted waste disposer (TSD) to assure compliance.					
Section 14 Transport Information						
Ground - DOT Proper Shipping Name:Air - IATA Proper Shipping Name:Not regulated for transport by US DOT.Not regulated for air transport by IATA.						
Section 15 Regulatory Information						
TSCA Status:	All components in this product are on the TSCA Inventory.					
Chemical Name	CAS Numbe	§ 313 Nar er	ne § 304 RQ	CERCLA RQ	§ 302 TPQ	CAA 112(2) TQ
No data available	7681-8	2-5 No	No	No	No	No

Section 16

Additional Information

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The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

Glossary ACGIH	American Conference of Governmental Industrial Hygienists	NTP OSHA	National Toxicology Program Occupational Safety and Health Administration
CAS	Chemical Abstract Service Number	PEL	Permissible Exposure Limit
CERCLA	Comprehensive Environmental Response,	ppm	Parts per million
	Compensation, and Liability Act	RCRA	Resource Conservation and Recovery Act
DOT	U.S. Department of Transportation	SARA	Superfund Amendments and Reauthorization Act
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
N/A	Not Available	TSCA	Toxic Substances Control Act
		IDLH	Immediately dangerous to life and health