

Section 1: Identification

Product Name Sodium Iodide USP
Commercial Name Not available.
Product Use chemical processing aid
Restrictions On Use Not available

Product Code 30-1569

Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Skin Corrosion/Irritation Category 2 Serious Eye Damage/Eye Irritation Category 2 Specific target organ toxicity - (repeated exposure) Category 1 Target Organs - Thyroid.

CFR 1910.1200

Signal Word WARNING

Hazard Statement(s) Causes skin irritation. Causes eye irritation. Causes serious eye damage/eye irritation.
Pictogram(s) or Symbol(s)

**Precautionary Statement(s):**

Prevention Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product.

Response Get medical attention/advice if you feel unwell. 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. 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.

Storage Not available.

Disposal Dispose of contents/container to an approved waste disposal plant. Very toxic to aquatic life.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Sodium Iodide USP
% By Weight 100
CAS# 7681-82-5
Molecular Weight 149.89 g/mole
Chemical Formula NaI
Synonym(s) Sodium iodine, sodium salt, sodium moniodide

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Not available.				

Section 4: First-Aid Measures

Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.
Symptoms/Effects	
Acute	Not available
Delayed	Not available
Immediate Medical Attention	Treat symptomatically.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media	Substance is nonflammable; use agent most appropriate to extinguish surrounding fire.
Unsuitable Extinguishing Media	Not applicable.
Products of Combustion	Hydrogen iodide. Sodium oxides.

Firefighters Special Equipment and Precautions

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Use personal protective equipment as required. Ensure adequate ventilation. Avoid dust formation. Environmental Precautions: Should not be released into the environment. Methods for Containment and Clean Up: Sweep up and shovel into suitable containers for disposal. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Handling: Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid dust formation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Storage: Keep containers tightly closed in a dry, cool and well-ventilated place. Store under an inert atmosphere. Keep under nitrogen. Protect from moisture. Protect from sunlight. Incompatible Materials. Strong oxidizing agents. Strong acids. Finely powdered metals.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	ACGIH TLV: TWA: 0.01 ppm
Engineering Controls	Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.
Personal Protection	Eye/face Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Skin and body protection: Wear appropriate protective gloves and clothing to prevent skin exposure. Respiratory Protection: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and Chemical Properties

Appearance	White powder solid.		
Odor	Odorless		
Odor Threshold	Not available		
Melting Point	661 °C / 1221.8 °F	pH	6-9 50 g/l aq.sol
Freezing Point	Not available	Vapor Pressure	1.3 mbar @ 767 °C
Boiling Point/Range	1300 °C / 2372 °F @ 760	Vapor Density	Not available.
Decomposition temperature	Not available	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available	Evaporation Rate	Not available
Flash Point	Not applicable.	Autoignition temperature	Not available
Flammability	Not available	Flammability or Explosive Limits:	
		Lower	Not available
		Upper	Not available
Solubility(ies)	184 g/100ml (25°C)		
Other	Molecular Formula I Na Molecular Weight 149.89		

Section 10: Stability and Reactivity

Reactivity	Not available
Chemical Stability	Hygroscopic. Air sensitive. Light sensitive.
Hazardous Polymerization	Hazardous polymerization does not occur
Conditions to Avoid	Avoid dust formation. Incompatible products. Exposure to air. Exposure to light. Exposure to moisture. Exposure to moist air or water.
Incompatible Materials	Strong oxidizing agents, Strong acids, Finely powdered metals
Hazardous Decomposition Products	Hydrogen iodide, Sodium oxides

Section 11: Toxicological Information**RTECS** WB6475000**Acute Toxicity**

LD50 Oral: LD50 = 4340 mg/kg (Rat)

Skin Corrosion/Irritation

Irritating to eyes and skin

Serious Eye Damage/Irritation

Irritating to eyes and skin

Respiratory or Skin Sensitization

Skin sensitization

Germ Cell Mutagenicity

None

Carcinogenicity

None

Reproductive Toxicity

Not available

Routes of Entry

Eye contact.Skin.

Symptoms Related to Exposure

Not available

Potential Health Effects

Not available

Target Organ(s) Thyroid**Section 12: Ecological Information****Ecotoxicity**

Freshwater Fish: LC50: = 3780 mg/L, 96h static (Oncorhynchus mykiss)

Persistence and Degradability

Soluble in water Persistence is unlikely based on information available

Bioaccumulative Potential

No information found

Mobility in Soil

Will likely be mobile in the environment due to its water solubility

Other Adverse Effects

No information found

Section 13: Disposal Considerations**Waste Disposal**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Disposal of Container

Not available

Other Considerations

Not available

Section 14: Transport Information**DOT Classification**

UN-No UN3077 Proper Shipping Name Environmentally hazardous substances, solid, n.o.s. Technical Name Sodium iodide Hazard Class 9 Packing Group III

Section 15: Regulatory Information**Regulations**

United States of America Inventory Component CAS No TSCA TSCA Inventory notification - Active-Inactive TSCA - EPA Regulatory Flags Sodium iodide 7681-82-5 X ACTIVE - Legend: TSCA US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710) X - Listed '-' - Not Listed TSCA - Per 40 CFR 751, Regulation of Certain Chemical Substances & Mixtures, Under TSCA Section 6(h) (PBT) Not applicable TSCA 12(b) - Notices of Export Not applicable

Other

WHMIS Not controlled under WHMIS (Canada). (Canada);DSCL (EEC) R36- Irritating to eyes.;Gloves.;Lab coat.;Dust respirator. Be sure to use an approved/certified respirator or equivalent.;Splash goggles.

Section 16: Other Information

Users Responsibility: A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions are required. Ant health hazard and safety information herein should be passed on to your customers or employees.

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