

MATERIAL SAFETY DATA SHEET

SODIUM IODIDE

I IDENTIFICATION:

BioShop Canada Inc.
5480 Mainway
Burlington, Ontario L7L 6A4
1-800-234-1179

Emergency Telephone No.: 1-905-466-3832

Chemical Name: Sodium Iodide

Catalog Number: SOD333

Molecular Formula: NaI

Molecular Weight: 149.89

WHMIS Classification: D2B

TSCA Status: LISTED

II COMPOSITION/ INGREDIENTS:

	CAS #	%
Sodium Iodide	7681-82-5	>99%

III HAZARDS/TOXICOLOGICAL PROPERTIES:

Routes of entry: Eyes, skin, inhalation, Ingestion.

Target Organs: Thyroid, Blood

Eyes: Causes irritation..

Skin: Causes irritation.

Inhalation: May cause irritation .

Ingestion: Causes irritation to GI tract with diarrhea and vomiting. Harmful if swallowed.

CHRONIC HEALTH HAZARDS: Prolonged exposure may cause severe goiter. Can lead to iodism. Excess salivation, conjunctivitis, skin rashes.

Exposure Limits:

Oral, rat :LD50= 4000 mg/kg

Oral, mouse LD50= 1000mg/kg

Epidemiology: No data available

Teratogenicity: No data available

Reproductive Effects: No data available

Neurotoxicity: No data available

Mutagenicity: No data available

IV FIRST AID MEASURES:

Eyes: Flush eyes with water . get medical aid.

Skin: In case of contact, flush area immediately with water.

Inhalation: Remove victim to fresh air. If not breathing give artificial respiration.

Ingestion: Wash mouth with water. Do not induce vomiting. Get medical aid.

V FIRE AND EXPLOSION HAZARDS:

Flammable: No

Flash Point: N/A

Extinguishing Media: foam, dry chemical or carbon dioxide. AVOID CONTACT WITH WATER.

Explosion Data: Not available

VI REACTIVITY:

Stability: Stable at normal room temperature and pressure

Conditions to avoid: excess heat, dust generation. Light. DO NOT ALLOW TO CONTACT WATER

Incompatibility strong oxidizing agents.

Hazardous Decomposition Products: TOXIC FUMES AND GASES, HYDROGEN IODIDE, SODIUM OXIDE, IODINE.

Hazardous Polymerization: Has not been reported

VII PHYSICAL DATA:

Physical State: solid

Appearance and Odor: white, odorless

Melting Point: 661° C

Boiling Point: 1300C

Specific Gravity: 1.1060

Vapor Density: 3.667

Water Solubility: yes, 1790g/L

pH: N/A

VIII PREVENTIVE MEASURES:

Personal Protection: Lab coat, safety goggles, rubber gloves.

Ventilation: Local exhaust systems. Use fume hood

Respiratory protection: use OSHA/MSHA approved respirator.

Leak and Spill Procedures: Ventilate the area. Wear appropriate protective equipment. Cover with dry lime or soda. Sweep and place in a closed container.

Waste Disposal: Burn in chemical incinerator. Observe all Federal, provincial and local regulations.

Other precautions: Avoid contact. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Storage Conditions: Room temperature..

Label Hazard Warning: Harmful, other toxic effects. Avoid eye and skin contact. Avoid inhalation and ingestion.

Shipping Information: Not regulated

IX PREPARATION OF MSDS:

Prepared By: M.Kierdelewicz (President)

Date Prepared: Jan 4/2012

Phone: (800) 234-1179

The information provided on this Material Safety Data Sheet is furnished in good faith and without warranty of any kind. The above information is believed to be correct and should be used only as a guide. BioShop Canada Inc. shall not be held liable for any damage resulting from the handling or from the contact with the above product.

Observe all federal, provincial and state laws concerning health, safety and pollution.