

MATERIAL SAFETY DATA SHEET

1) CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Common Name / Trade Name: **SODIUM IODIDE**

Name of Manufacturer / Supplier: ESKAY IODINE PVT. LTD.
Plot no: 907/2, GIDC Industrial Estate,
Jhagadia, Dist: Bharuch
Gujarat-393110, INDIA

Contact no: +91 - 7567039300
Email: sunilgsharda@sk1932.com

Commercial Name: Not Available
Synonym: Not Available
Chemical Name : Not Available

Chemical Family: Not Available
Chemical Formula: NaI

CAS: 7681-82-5
TSCA: T S C A 8 (b) Inventory : Sodium Iodide

2) COMPOSITION AND INFORMATION ON INGREDIENTS

Name	CAS	EXPOSURE LIMITS			% by Weight
		TWA (mg/m ³)	STEL (mg/m ³)	CEIL (mg/m ³)	
Sodium Iodide	7681-82-5				100

Toxicological Data & Ingredients: Sodium Iodide
Oral LD50 Acute: 4340 mg/kg [Rat]. 1000mg/kg [Mouse]

3) HAZARDS IDENTIFICATION

Potential Acute Health Effects: Very Hazardous in case of Ingestion. Hazardous in case of eye contact (Irritant), of inhalation. Slightly hazardous in case of skin contact (Irritant, permeator).

Potential Chronic Health Effects: Carcinogenic Effects : Not available.
Mutagenic Effects: Not available.
Teratogenic Effects: Not available.
Developmental Toxicity: Not available.
The substance is toxic to the nervous system.
Repeated or Prolonged exposure to the substance can produce target Organs damage.

4) FIRST AID MEASURES

Eye Contact: Check for and removal any contact lenses. Incase of contact, Immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Do not use any ointments. Seek medical Attention.

Skin Contact : After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and

Serious Skin Contact :	non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Not Available.
Inhalation :	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Serious Inhalation :	Not available.
Ingestion :	Do NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested, the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to mouth resuscitation. Seek immediate medical attention.
Serious Ingestion :	Not available.

5) FIRE & EXPLOSION DATA

Flammability of the product :	Non-Flammable.
Auto-Ignition Temperature :	Not applicable.
Flash Points :	Not applicable.
Flammable Limits :	Not applicable.
Products of Combustion :	Not applicable.
Fire Hazards in presence of Various Substances:	Not applicable.
Explosion Hazards in Presence of Various Substances:	Not Available.

Risks of explosion of the product in presence of mechanical impact: Not Available.

Risks of explosion of the product in presence of static discharge : Not Available.

Fire Fighting Media & Instruction : Not applicable

Special Remarks on Fire Hazards :	Not available
Special Remarks on Explosion Hazards :	Not available

6) ACCIDENTAL RELEASE MEASURES

Small Spill :	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill :	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

7) HANDLING AND STORAGE

Precautions :	Do not ingest.. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. Incase of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label Keep away from incompatibles such as oxidizing agents, metals, acids.
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Storage : No specific storage is required. Use shelves or cabinets sturdy enough to bear the weight of the chemicals. Be sure that it is not necessary to strain to reach materials, and that shelves are not overloaded.

8) EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls : Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection : Splash goggles. Lab coat. Dust Respirator. Be sure to use an approved / certified respirator or equivalent. Gloves.

Personal Protection in case of a Large Spill : Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product.
Suggested protective clothing might not be sufficient, consult a specialist BEFORE handling this product.

Exposure Limits : Not available.

9) PHYSICAL AND CHEMICAL PROPERTIES

Physical State and Appearance : Solid (Deliquescent Crystals Solid)
Molecular Weight 149.89 g/mole

pH (1 % solution / water) : 7 (Neutral)
Boiling Point : Decomposes
Melting Point : 651 ° C (1203.8 ° F)
Critical Temperature : Not Available
Specific Gravity : 3.67 (Water = 1)

Vapor Pressure : Not Applicable
Vapor Density : Not Available
Volatility : Not Available
Odor Threshold : Not Available
Water / Oil Dist. Coeff. : Not Available

Ionicity (in water): Not Available
Dispersion Properties : See solubility in water, methanol, acetone.
Solubility : Insoluble in cold water, hot water. Soluble in methanol. Partially soluble in acetone.

10) STABILITY AND REACTIVITY DATA

Stability : The product is stable.
Instability Temperature : Not available.
Conditions of Instability : Not available.

Incompatibility with various substances : Highly reactive with oxidizing agents, acids. Reactive with metals.
Corrosivity : Corrosive in presence of aluminum, of zinc, of copper. Corrosive in presence of Steel.
Non corrosive in presence of glass, of stainless steel (304), of

stainless steel (316)

Special Remarks on Reactivity : Not available
Special Remarks on Corrosivity : Not available
Polymerization : No.

11) TOXICOLOGICAL INFORMATION

Routes of Entry : Eye contact. Inhalation. Ingestion.
Toxicity to Animals : Acute oral toxicity (LD50) : 1000mg/kg (Mouse)
Chronic effects on Humans : The substance is toxic to the nervous system.
Other Toxic effects on Human : Very hazardous in case of ingestion. Hazardous in case of inhalation.
Slightly hazardous in case of skin contact (irritant, permeator).
Special Remarks on Toxicity to animals : Not available.
Special Remarks on Chronic Effects on Humans: Not available
Special Remarks on other Toxic effects on Humans: Not available

12) ECOLOGICAL INFORMATION

Eco toxicity : Not available
BOD5 and COD: Not available
Products of Biodegradation: Possibly hazardous short term degradation products are not likely.
However, long term degradation products may arise.
Toxicity of the products of Biodegradation: The product of degradation are more toxic.
Special Remarks on the Product: Not available.

13) DISPOSAL CONSIDERATIONS

Water Disposal: Recycle to process, if possible. Consult your local or regional Authorities

14) TRANSPORT INFORMATION

DOT Classification: Not a DOT controlled material (United States)
Identification: Not applicable
Special Provisions for Transport: Not applicable

15) OTHER REGULATORY INFORMATION

Federal and State Regulations: TSCA 8(b) inventory : Sodium Iodide
Other Regulations: OSHA : Hazardous by definition of Hazard Communication Standard (29CFR 1910.1200).
Other Classification: WHMIS (Canada) : Not controlled under WHMIS (Canada)
: DSCL (EEC): R36 – Irritating to eyes
Protective Equipment : Gloves
Lab Coat
Dust Respirator. Be sure to use an approved / certified respirator or Equivalent.

16) OTHER INFORMATION

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the users responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Eskay Iodine Pvt. Ltd. assumes no responsibility for the completeness or accuracy of the information contained herein.

For **ESKAY IODINE PVT.LTD.**



AUTHORISED SIGNATORY