



An ISO 9001 : 2008 Certified Manufacturing Co.

**Infinium
Pharmachem
Pvt. Ltd.**

Corporate Office Address

Suite # 205, Sigma Prime, Second Floor Nr. Sardar Patel Statue
Vallabh Vidyanagar, Dist. Anand - 388 121 Gujarat, India.
Tele/ Fax : ++91-2692-238849 , 238850
Email: info@infiniumpharmachem.com infinium_11@yahoo.com
Web : www.infiniumpharmachem.com

R.O. & Factory Address:-

Plot No.38 - 39 GIDC Sojitra - 387240 Dist. Anand
Gujarat - India Tel / Fax : ++91-2697- 234987

A MATERIAL SAFETY DATA SHEET

SODIUM IODIDE

1.1 Product Identifiers:

Product Name: Sodium iodide

CAS No : 7681-82-5

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Supplier: Infinium Pharmachem Pvt. Ltd.(AN ISO 9001:2008 CERTIFIED CO.)
38, G.I.D.C, Sojitra

Dist: Anand

Gujarat, India

Tel : 0091-2697-234987

Fax : 0091-2697-234987

Email : info@infiniumpharmachem.com

Synonyms : NaI; Sodium monoiodide; Sodium iodine; Iodure de sodium; Jodid sodny (Czech); Natrii iodidum; (German); Soiodin; Ioduro di sodio; D'iodure de Natriumjodid sodium

CAS No. : 7681-82-5

Molecular Weight : 149,89 g/mol

Chemical Formula : NaI



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3.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin irritation(Category 2), H315

Eye irritation(Category 2), H319

Acute aquatic toxicity(Category 1), H335

For the full text of the H-Statements mentioned in this Section, see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Xi Irritant

R36/38 Irritating to eyes, respirator system & skin .

For the full text of the R-phrases mentioned in this Section, see Section 16.

3.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal word	Warning
Hazard statement(s)	
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
Precautionary statement(s)	
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/clothing/eye protection/face protection.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340	If Inhaled : remove victim to fresh air & keep at rest in a position comfortable for breathing.
P405	Store Locked Up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.



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3.3 Other hazards - none

4.1 Eye Contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

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

4.3 Serious Skin Contact: Not available.

4.4 Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

4.5 Serious Inhalation: Not available.

4.6 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.

4.7 Serious Ingestion: Not available.

5.1 General Information:

During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products.

5.2 Extinguishing Media:

Use agent most appropriate to extinguish fire. Do NOT get water inside containers. In case of fire, use carbon dioxide, dry chemical powder or appropriate foam.

6.1 Small Spill:



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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.

6.2 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.

7.1 Handling:

Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Store protected from light handle under an inert atmosphere. Store protected from air. Do not allow contact with water. Keep from contact with moist air and steam.

7.2 Storage:

Vacuum or sweep up material and place into a suitable disposal container and protect from sunlight. Do not store in direct sunlight. Store in a tightly closed container. Do not expose to air. Store protected from light. Store under an inert atmosphere.

8.1 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.

8.2 Personal Protection:

Splash goggles, Lab coat, Dust respirator, Gloves. Be sure to use an approved/certified respirator or equivalent.

8.3 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.

8.4 Exposure Limits: Not available

9.1 Information on Basic physical & chemical properties

Physical State: Crystals

Appearance: White

Odor: Odorless



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pH: 8 to 9.5

Vapor Pressure: 1.3 mbar @ 767 °C

Vapor Density: Not available.

Evaporation Rate: Not available.

Viscosity: Not available.

Boiling Point: 1300 °C @ 760 mm Hg

Freezing/Melting Point: 661 °C

Autoignition Temperature: Not applicable.

Flash Point: Not applicable.

Decomposition Temperature: Not available.

NFPA Rating: (estimated) Health: 2; Flammability: 0; Reactivity: 0

Explosion Limits, Lower: Not available.

Upper: Not available.

Solubility: Soluble in water 1790 G/L (20 °C)

Specific Gravity/Density: 3.6670g/cm³

Molecular Formula: NaI

Molecular Weight: 149.89

9.2 Other safety Information

No data available

10.1 Chemical Stability:

Stable under ordinary conditions of use and storage. Absorbs up to 5% moisture on exposure to air and becomes brown due to liberation of iodine.

10.2 Conditions to Avoid:

Light and incompatibles.

10.3 Incompatibilities with Other Materials:

Alkali metals, chloral hydrate, acids tartaric acid, potassium chlorate, metallic salts, iodine. Reacts violently with bromide trifluoride, perchloric acid, and oxidants.

10.4 Hazardous Decomposition Products:

When heated to decomposition it emits toxic fumes of iodine and sodium oxide.

10.5 Hazardous Polymerization:

Will not occur.

11.1 Information on toxicological effects



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Routes of Entry: Eye contact, Inhalation, Ingestion

Carcinogenicity: No information available.

Teratogenicity: The occasional use of iodides for asthma in pregnancy has resulted in fetal death, severe goiter and cretanoid appearance of the newborn.

Reproductive Effects: See RTECS for actual entry.

Neurotoxicity: The substance is toxic to the nervous system.

Mutagenicity: No information available.

11.2 Other Studies:

Very hazardous in case of ingestion. Hazardous in case of inhalation. Slightly hazardous in case of skin contact (irritant, permeator).

12.1 Toxicity

Toxicity to fish	LC50-Oncorhynchus mykiss (rainbow trout)-860 mg/l-96 h
Toxicity to daphnia and other aquatic invertebrates	EC50-Daphnia magna (Water flea)-0,17 mg/l-48 h

12.2 Persistence and degradability

12.3 Bioaccumulative potential

Bioaccumulation	Chasmichthys gulosus-20 d-60 µg/l
	Bioconcentration factor (BCF): 344

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

13.1 Waste treatment methods

Product

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging



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Dispose of as unused product.

14.1 UN Number	
ADR, AND,IMDG, IATA	Not Applicable
14.2 UN proper shipping name	
ADR, AND,IMDG, IATA	Not Applicable
14.3 Transport Hazard Class (es)	
ADR, AND,IMDG, IATA class	Not Applicable
14.5 Environmental Hazards:	Not Applicable
14.6 Special precaution for user	Not Applicable
14.7 Transport in bulk according to AnnexII	Not Applicable
Of MARPOL 73/78 & the IBC code	

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

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

no data available

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

Full text of H-Statements referred to under sections 2 and 3.

Full text of H-Statements referred to under sections 2 and 3.

Aquatic Acute	Acute aquatic toxicity
Eye Irrit.	Eye irritation
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory Irritation.
Skin Irrit.	Skin irritation

Full text of R-phrases referred to under sections 2 and 3

N	Dangerous for the environment
Xi	Irritant
R36/38	Irritating to eyes and skin.



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