



MATERIAL SAFETY DATA SHEET

Version Number:- 02

PRODUCT NAME: SODIUM IODIDE

CAS Number: 7681-82-5

1. IDENTIFICATION:

Product Code : 92356

Company Name : ADVENT CHEMBIO PRIVATE LIMITED

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2. HAZARDS IDENTIFICATION:**Hazard classification****Health hazards**

Eye irritation : Category 2

Labels elements :

Hazard symbol : 

Signal word : Warning

Hazard statement : Causes serious eye irritation.

Precautionary statement

Prevention : Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/ protective clothing/ eye protection/ face protection.
Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
Keep container tightly closed. Ground/ bond container and receiving equipment.
Use only non-sparking tools.

Response : IF exposed or concerned: Get medical advice/ attention.
IF ON SKIN (or hair): Rinse skin with water/ shower.
IF IN EYES: Rinse cautiously with water for several minutes.

Storage : Store in a dry & well-ventilated place. Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Disposal : Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards which do not result in GHS classification : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission



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Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

3. COMPOSITION/ INFORMATION ON INGRADIENTS:

Ingredient	CAS Number	Percent	Hazardous
Sodium Iodide	7681-82-5	NLT 98.0%	No

4. FIRST AID MEASURES:

General information	:	Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance.
Ingestion	:	Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Inhalation	:	Move to fresh air.
Skin contact	:	Immediately flush with plenty of water for at least 15 minutes. Get medical attention.
Eye contact	:	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.
Most important symptoms/effects, acute and delayed	:	The most important known symptoms and effects are described in the labelling.
Indication of immediate medical attention and special treatment needed	:	No data available.

5. FIRE FIGHTING MEASURES:**General information****Suitable (and unsuitable) extinguishing media**

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : For this substance/mixture no limitations of extinguishing agents are given.

Specific hazards arising from the chemical : Hydrogen iodide, Sodium oxides, Not combustible.
Ambient fire may liberate hazardous vapours.

Special protective equipment and precautions for firefighters

Special firefighting procedures : Fight fire from a protected location. Move containers from fire area if you can do so without risk.

Special protective equipment for fire-fighters : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.



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6. ACCIDENTAL RELEASE MEASURES:

Personal precautions, protective equipment and emergency procedures	:	Keep upwind. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.
Methods and material for containment and cleaning up	:	Clean surface thoroughly to remove residual contamination. Dike far ahead of larger spill for later recovery and disposal.
Notification Procedures	:	Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved.
Environmental precautions	:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. HANDLING AND STORAGE:

Precautions for safe handling	:	Do not handle until all safety precautions have been read and understood. Use only non-sparking tools. Wear protective gloves/protective clothing/eye protection/ face protection. Avoid contact with eyes, skin, and clothing. Do not breathe mist or vapor. Use only with adequate ventilation. Wash hands thoroughly after handling.
Conditions for safe storage, including any incompatibilities	:	Keep away from food, drink and animal feeding stuffs. Keep container tightly closed in a dry, well-ventilated place. Ground container and transfer equipment to eliminate static electric sparks.

8. EXPOSURE CONTROLS PERSONAL PROTECTION:

Appropriate engineering controls

: No data available

Individual protection measures, such as personal protective equipment

General information	:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. An eye wash and safety shower must be available in the immediate work area. Use explosion-proof ventilation equipment.
Eye/face protection	:	Wear safety glasses with side shields (or goggles).
Hand protection	:	Chemical resistant gloves.
Other	:	Wear suitable protective clothing.
Respiratory protection	:	Required when dusts are generated. Recommended Filter type: Filter type P2
Hygiene measures	:	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Provide eyewash station and safety shower. Avoid contact with eyes, skin, and clothing.



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9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	: White crystalline powder.
Odor	: odorless
Solubility	: Soluble in water
Formula	: NaI
Molecular Weight	: 149.89 g/mol
Density	: 2.2 g/cm ³ at 25°C
pH	: 8.2 at 26°C
% Volatiles by volume @ 21C (70F)	: No data available
Boiling Point	: 1.304°C
Melting Point	: 661°C
Flash Point	: No data available
Vapor Density (Air=1)	: No data available
Vapor Pressure (mm Hg)	: No data available
Evaporation Rate (BuAc=1)	: No data available

10. STABILITY AND REACTIVITY:

Reactivity	: No data available
Chemical stability	: Material is stable under ambient conditions.. Risk of explosion with: Alkali metals, Ammonia, halogen-halogen compounds, hydrogen peroxide.
Possibility of hazardous reactions	: Risk of ignition or formation of inflammable gases or vapours with: perchloric acid, Fluorine Generates dangerous gases or fumes in contact with: Oxidizing agents Release of: iodine
Conditions to avoid	: Exposure to light may affect product quality. Air sensitive.
Incompatible materials	: No data available
Hazardous decomposition products	: In the event of fire: see section 5



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11. TOXICOLOGICAL INFORMATION:

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product	: LD 50 Oral - Rat - 4.340 mg/kg
Dermal Product	: LD 50 Dermal - Rat - female - > 2.000 mg/kg
Inhalation Product	: No data available
Repeated dose toxicity Product	: No data available.
Skin corrosion/irritation Product	: Skin - Rabbit Result: No skin irritation - 24 h
Serious eye damage/eye irritation Product	: Eyes - Rabbit Result: Causes serious eye irritation. - 24 h
Respiratory or skin sensitization Product	: Patch test: - Human Result: negative
Carcinogenicity Product	: No data available
Germ cell mutagenicity	: No data available
Reproductive toxicity Product	: No data available
Specific target organ toxicity - single exposure Product	: No data available
Specific target organ toxicity - repeated exposure Product	: No data available
Aspiration hazard Product	: No data available
Other effects	: No data available

12. ECOLOGICAL INFORMATION:

Ecotoxicity

Acute hazards to the aquatic environment

Fish Product	: static test LC50 - Danio rerio (zebra fish) - > 100 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates	: static test EC50 - Daphnia magna (Water flea) - > 3,18 - < 3,71 mg/l - 48 h
Chronic hazards to the aquatic environment	

Fish Product	: static test EC50 - activated sludge - > 1.000 mg/l - 3 h
Toxicity to daphnia and other aquatic invertebrates	: semi-static test LC50 - Daphnia magna (Water flea) - > 1,1 - < 1,84 mg/l - 21 d



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Toxicity to Aquatic Plants
Product: : No data available.

Persistence and degradability

Biodegradation Product : The methods for determining the biological degradability are not applicable to inorganic substances.

BOD/COD ratio Product : No data available.

Bioaccumulative potential

Bioconcentration factor (BCF) Product : No data available.

Partition coefficient n-octanol / water (log Kow) Product : No data available.

Mobility in soil : No data available.

Other adverse effects : No data available.

13. DISPOSAL CONSIDERATION:

Disposal instructions : Discharge, treatment, or disposal may be subject to national, state, or local laws. Disposal recommendations are based on uncontaminated material.

Contaminated packaging : Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. TRANSPORT INFORMATION:

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Environmental hazards
ADR/RID	UN 3077	Sodium Iodide	9	III	Yes
IMDG	UN 3077	Sodium Iodide	9	III	Yes
IATA	UN 3077	Sodium Iodide	9	III	Yes

15. REGULATORY INFORMATION:

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

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

No Data Available.

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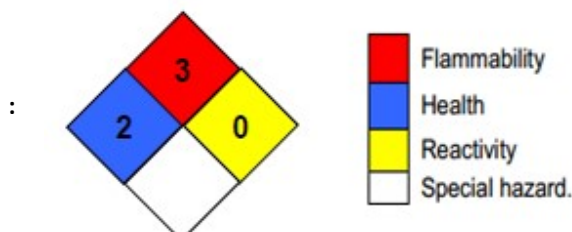
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16. OTHER INFORMATION:

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

Issue Date : 02/07/2025

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