

Revision: 1.1

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Section 1. Identification**1.1 Product Identifier**

1422

Product Name

SODIUM IODIDE pure

CAS Number

7681-82-5

REACH Registration No

A registration number is not available as the substance or its uses are exempt, the annual tonnage does not require a registration or the registration is envisaged for a later date.

Molecular Formula

NaI =149.89

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

Uses of Material

Chemical for industrial and laboratory use. Not suitable for domestic use.

1.3 Supplier

Vickers Laboratories Ltd



Grangefield Industrial Estate
Richardshaw Road
Pudsey
West Yorkshire
LS28 6QW
UNITED KINGDOM

Phone

44 0113 2362811

Fax

+44(0)113 2362703

Email

safety@viclabs.co.uk

Website

www.viclabs.co.uk

1.4 Emergency Telephone

(08:00-16:30) +44(0) 113 2362811

(24hr) 112

(Have this document to hand)

Section 2. Hazards Identification**2.1 Classification of the substance or mixture****Classification according to regulation 1272/2008/EC**

Skin corrosion/irritation, category 2

H315: Causes skin irritation.

Serious eye damage/irritation, category 2

H319: Causes serious eye irritation.

Spec target organ tox - repeat, category 1

H372: Causes damage to organs through prolonged or repeated exposure.

Hazard to aquatic environment, category 1

H400: Very toxic to aquatic life.

2.2 Label elements**Labelling according to regulation 1272/2008/EC**

Signal word

Danger

Hazard Pictograms



Hazard Statements Causes skin irritation. Causes serious eye irritation. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life.

Precautionary Statements Wear protective gloves / protective clothing / eye protection / face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing. Avoid release to the environment. Do not breathe dust / fume / gas / mist / vapours / spray. Wash thoroughly after handling. IF ON SKIN: Wash with plenty of soap and water.

Section 3. Composition

3.1 Substances

Component	CAS No.	EEC No.	REACH No.	Conc w/w	CLP Classification (1272/2008/CE)
Sodium iodide	7681-82-5	231-679-3		~99%	Skin Irrit. 2, Eye Irrit. 2, STOT RE 1, Aquatic Acute 1

Section 4. First Aid

4.1 Description of first aid measures

Eyes	Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. If discomfort persists OBTAIN MEDICAL ATTENTION.
Skin	Wash off skin thoroughly with water.
Inhalation	Remove from exposure.
Ingestion	Wash out the patients mouth thoroughly with water. In severe cases or if exposure has been great, OBTAIN MEDICAL ATTENTION.
Personal protection for first aiders	Wear protective gloves / eye protection.

4.2 Most important symptoms and effects, both acute & delayed.

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed.

No further relevant information available.

Section 5. Fire Fighting

5.1 Extinguishing media

Extinguishing Media	Consider what other flammable materials are present and act accordingly.
Unsuitable Media	Nothing specified.

5.2 Special hazards arising from the substance or mixture

Hazards	May evolve toxic fumes if involved in a fire.
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5.3 Advice for firefighters

Advice for firefighters	Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus.
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Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Protection	Presents no major hazards.
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6.2 Environmental precautions

Environmental Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.

6.3 Methods and material for containment and cleaning up

Major Spillage Shovel/sweep up into container for removal Wash area down with copious amounts of water.
Minor Spillage Wash area down with copious amounts of water.

6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

Section 7. Storage & Handling

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing.
Ensure Local Exhaust Ventilation maintains dust concentrations to a minimum.

7.2 Conditions for safe storage, including any incompatibilities

Well ventilated, cool, dry storage . Keep in a well ventilated,cool, dry place protected from moisture and light.

7.3 Specific end use(s)

See section 1.2.

Section 8. Workplace Exposure & Personal Protection

8.1 Control parameters

Component	CAS No	Concentration	Workplace Exposure Limits			
			Long Term (8hr TWA)		Short Term 15min period	
Sodium iodide	7681-82-5	~99%	-	-	-	-

Exposure data source(s) No occupational exposure data currently available.

8.2 Exposure controls

Respiratory Protection If process creates significant amounts of dust use L.E.V. or wear suitable dust mask.
Hand Protection Wear gloves.
Eye Protection Use tightly fitting chemical splash proof glasses or goggles.
Skin Protection Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.
Special Hazards No special precautions required.

Section 9. Physical & Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance Colourless crystals or white powder.
Odour No specific odour.
pH Not applicable
Boiling Point 1300°C
Melting Point 651°C
Flash Point Not applicable
Upper Flammable Limit Not applicable
Lower Flammable Limit Not applicable
Auto Ignition Not applicable
Explosive Properties No.
Oxidising Properties No.
Vapour Pressure Not applicable
Relative Density 3.1200
Water Solubility Very soluble in water.

9.2 Other information

No data available.

Section 10. Stability & Reactivity

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|------|------------------------------------|---|
| 10.1 | Reactivity | No data available. |
| 10.2 | Chemical Stability | Stable under normal conditions |
| 10.3 | Possibility of hazardous reactions | No data available. |
| 10.4 | Conditions to Avoid | Avoid prolonged exposure to air and light, decomposes to evolve iodine. |
| 10.5 | Incompatible Materials | Strong oxidising agents. |
| 10.6 | Hazardous Decomposition Products | May produce hazardous fumes if involved in a fire. |

Section 11. Toxicological Information

11.1 Information on toxicological effects

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|----------------------|---|
| Eyes | Contact with the solid or dust will be irritating to the eyes. |
| Skin | Contact with the solid or dust will be irritating to the skin. |
| LD50 Skin | > 2000mg/kg Rat |
| Ingestion | Ingestion or inhalation of dust over an extended period of time may produce skin rashes and other symptoms characteristic of 'iodism'. In severe cases such exposure can lead to weakness, loss of weight, and general depression. Certain individuals are highly sensitive to iodides and these Sensitised individuals may experience an asthma-like condition |
| LD50 Oral | > 2000mg/kg Rat |
| Inhalation | Symptoms will be similar to those following ingestion. |
| LD50 Inhalation | Not available |
| TCLo | Not available |
| Carcinogenicity | Not considered to be a carcinogen. |
| Mutagenicity | Not considered to be a mutagen. |
| Reproductive Effects | None identified. |

Section 12. Ecological

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|------|----------------------------------|-----------------------------------|
| 12.1 | Toxicity | Very toxic to aquatic life. |
| | LC50 Algal | Not available |
| | LC50 Crustacea | 0.17mg/l Daphnia magna (48 hours) |
| | LC50 Fish | 860mg/l Rainbow Trout (96 hours) |
| 12.2 | Persistence and degradability | No data available. |
| 12.3 | Bioaccumulative potential | No data available. |
| 12.4 | Mobility in soil | No data available. |
| 12.5 | Results of PBT & vPvB assessment | Assessment not required. |
| 12.6 | Other adverse effects | None known at present. |

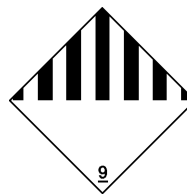
Section 13. Disposal Considerations

13.1 Waste treatment methods

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|------------------------|--------------------------------------|
| Disposal Methods | Do not dispose of as domestic waste. |
| Contaminated Packaging | Wash out containers with water. |

Section 14. Transport Information

14.1 UN Number	3077
14.2 Proper Shipping Name	Environmentally hazardous substance, solid, N.O.S. (Sodium Iodide)
14.3 Transport classes	
UN classification	9
Subsidiary hazard(s)	None
Transport category	3
ADR Hazard ID	90
Tunnel Restriction Code	E
Single packs and combination packages containing inner packs of up to 5L or 5Kg are excluded from regulation (ADR 2.2.9.1.10, IMDG code 2.10.3).	
14.4 Packing Group	III
14.5 Environment hazards	Marine pollutant.
14.6 Special precautions for user	No special precautions required.
14.7 Transport in bulk	Not transported in bulk.



Section 15. Regulatory Information

15.1 Safety, health and environment regulations specific for substance/mixture.

Classification, Labeling & Packaging of Substances & Mixtures Regulations (1272/2008/CE)

Classification Skin corrosion/irritation, category 2; Serious eye damage/irritation, category 2; Spec target organ tox - repeat, category 1; Hazard to aquatic environment, category 1

Signal word Danger

Hazard Pictograms



Hazard Statements H315, H319, H372, H400
Causes skin irritation. Causes serious eye irritation. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life.

Precautionary Statements P280, P305+P351+P338, P273, P260, P264, P302, P352
Wear protective gloves / protective clothing / eye protection / face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing. Avoid release to the environment. Do not breathe dust / fume / gas / mist / vapours / spray. Wash thoroughly after handling. IF ON SKIN: Wash with plenty of soap and water.

15.2 Chemical safety assessment

Assessment not required.

Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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