

Section 1. Identification**1.1 Product Identifier** CHE3464SE

Product Name SODIUM IODIDE pure 100g.

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 $\text{NaI} = 149.89$ **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 SLS Select EducationWilford Industrial Estate
Ruddington Lane
Wilford
Nottingham
NG11 7EP
UNITED KINGDOM

Phone 0115 9821111

Fax 0115 9825275

Email sales@scientific-labs.com

1.4 Emergency Telephone (08:00-17:00) 0115 9821111
(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

Serious eye damage/irritation, category 2

Spec target organ tox - repeat, category 1

Hazard to aquatic environment, category 1

H315: Causes skin irritation.

H319: Causes serious eye irritation.

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

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.

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.

Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Protection Presents no major hazards.

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

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

| | |
|----------------------|---|
| 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

| | | |
|-------------|----------------------------------|-----------------------------------|
| 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. |

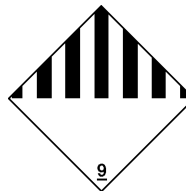
Section 13. Disposal Considerations

13.1 Waste treatment methods

| | |
|------------------------|--------------------------------------|
| 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 |
| 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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