



POTASSIUM IODIDE MATERIAL SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product form : Substance
CAS No : 7681-11-0
Product code : 32634, 32635

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

1.2.1. Relevant identified uses

Industrial/professional use spec : Industrial
For professional use only
Use of the substance/mixture : Laboratory Reagent

1.2.2. Uses advised against

No additional information available

1.3. Details of the manufacturer of the safety data sheet

Techno Pharmchem
Plot No.1022, Modern Industrial Estate,
Bahadurgarh-124507, India
T +91 11 23646422
info@technopharmchem.com

1.4. Emergency telephone number

Emergency number: +91 11 23646422 (9:30am – 5.30pm)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (oral), H302
Category 4
Serious eye damage/eye H319
irritation, Category 2
Skin corrosion/irritation, H315
Category 2

Full text of classification categories and H statements: see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

X_n; R22

X_i; R36/38

Full text of R-phrases: see section 16



TECHNO PHARMCHEM

An ISO 9001 : 2008 Certified Company

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Website : www.technopharmchem.com

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to regulation (EC) No. 1272/2008 [CLP]

| | | |
|--------------------------------|---|--|
| Signal word (CLP) | : | Warning |
| Hazard statements (CLP) | : | H302 - Harmful if swallowed H315 - Causes skin irritation H319 - Causes serious eye irritation |
| Precautionary statements (CLP) | : | P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing |

2.3. Other hazards

No additional information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

| | | |
|---------|---|------------------|
| Name | : | POTASSIUM IODIDE |
| CAS-No. | : | 7681-11-0 |

3.2. Mixtures

Not applicable

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

| | | |
|---------------------------------------|---|--|
| First-aid measures after inhalation | : | Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice. |
| First-aid measures after skin contact | : | Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. |
| First-aid measures after eye contact | : | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion | : | Rinse mouth. Call a doctor/physician if you feel unwell |

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

| | | |
|--------------------------------------|---|--|
| Symptoms/injuries after skin contact | : | Causes skin irritation. |
| Symptoms/injuries after eye contact | : | Causes serious eye irritation. |
| Symptoms/injuries after ingestion | : | Swallowing a small quantity of this material will result in serious health hazard. |

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

Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

- Suitable extinguishing media : Dry chemical powder, alcohol-resistant foam,
Carbon dioxide (CO₂).
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special Hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Protection during firefighting : Do not attempt to take action without suitable
protective equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Use personal protective equipment as required.
Emergency procedures : Stop release.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Clear up rapidly by scoop or vacuum

6.4. Reference to other sections

No additional information available

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

- Precautions for safe handling : Do not get in eyes, on skin, or on clothing.
Hygiene measures : Do not eat, drink or smoke when using this product.
Wash ... thoroughly after handling

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in original container. Keep container tightly closed.
Store in a dry place. Protect from moisture.

7.3. Specific end use(s)

No additional information available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

No additional information available

8.2. Exposure controls

| | | |
|--------------------------|---|-----------------------------------|
| Hand protection | : | Protective gloves |
| Eye protection | : | Chemical goggles or face shield |
| Skin and body protection | : | Wear suitable protective clothing |
| Respiratory protection | : | Wear respiratory protection. |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | | |
|--|---|--|
| Physical state | : | Solid |
| Colour | : | White crystalline |
| Odour | : | Odourless |
| Odour threshold | : | No data available |
| pH | : | 6 - 9 at 166 g/l at 25 °C |
| Relative evaporation rate (butylacetate=1) | : | No data available |
| Melting Point | : | 681°C |
| Freezing point | : | No data available |
| Boiling point | : | 1330°C |
| Flash point | : | No data available |
| Auto-ignition temperature | : | No data available |
| Decomposition temperature | : | No data available |
| Flammability (Solid,gas) | : | No data available |
| Vapour pressure | : | 1 mm Hg at 745oC |
| Relative vapour density at 20°C | : | No data available |
| Relative density | : | No data available |
| Density | : | 3.13 g/cm ³ |
| Solubility | : | Water: 166 g/l at 20 °C - completely soluble |
| Log pow | : | No data available |
| Viscosity, kinematic | : | No data available |
| Viscosity, dynamic | : | No data available |
| Explosive properties | : | No data available |
| Oxidising properties | : | No data available |
| Explosive limits | : | No data available |

9.2. Other Information

No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No additional information available



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10.2. Chemical Stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Direct sunlight. Air contact. Moisture

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

| | | |
|--|---|---|
| Acute toxicity | : | Oral: Harmful if swallowed |
| Skin corrosion/irritation | : | Causes skin irritation pH: 6 - 9 at 166 g/l at 25 °C |
| Serious eye damage/irritation | : | Causes serious eye damage. pH: 6 - 9 at 166 g/l at 25 °C |
| Respiratory or skin sensitisation | : | Not classified |
| Germ cell mutagenicity | : | Not classified |
| Carcinogenicity | : | Not classified |
| Reproductive toxicity | : | Not classified |
| Specific target organ toxicity (single exposure) | : | Not classified |
| Specific target organ toxicity (repeated exposure) | : | Not classified |
| Aspiration hazard | : | Not classified |
| Potential adverse human health effects and symptoms | : | Harmful if swallowed. |

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available



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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product/packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

ADR/RID: - IMDG: - IATA: -

14.2 UN Proper shipping name

ADR/RID : Not dangerous goods
IMDG : Not dangerous goods
IATA : Not dangerous goods

14.3 Transport Hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user

No data available

SECTION 15: REGULATORY INFORMATION

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

Ensure all local, regional, national and/or international regulations are observed.

15.2 Chemical safety Assessment

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

SECTION 16: OTHER INFORMATION

The information contained herein in good faith but makes no representations as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. We do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.