

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Material Name: Potassium Iodide.
Catalogue Number: C360.
Other Names: Inorganic Salt.
Recommended Use: A biological stain.

Supplier Name: ProSciTech
Street Address: 1/11 Carlton Street, Kirwan, Qld. 4817 Australia
Telephone Number: (07) 4773 9444 **Fax Number:** (07) 4773 2244
Emergency Contact: (07) 4773 9444 8:30am – 5:00pm, Monday to Friday

SECTION 2 - HAZARDS IDENTIFICATION

Hazard Classification: Not classified as hazardous according to criteria of NOHSC.
Hazardous and/or Dangerous Nature: NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.
Risk Phrases:
Safety Phrases:

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE: **Chemical Identity:** Potassium Iodide.
Common Name(s): Inorganic Salt.
CAS Number(s): 7681-11-0

MIXTURE:

Ingredients	Cas Number(s)	Proportion (%)
Potassium Iodide	7681-11-0	100

SECTION 4 - FIRST AID MEASURES

Swallowed: If conscious, drink water and induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.
Eye: Immediately flush eyes thoroughly with water for at least 15 minutes.
Skin: Wash thoroughly with soap and water.
Inhaled: Remove to fresh air; give artificial respiration if breathing has stopped.
First Aid Facilities: Eyebath/eyewash & Safety shower.
Medical Attention & Special Treatment:

ADDITIONAL INFORMATION:

Get medical assistance for all cases of overexposure.

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Use any suitable for adjacent material.

Hazards from Combustion Products:

Thermal decomposition produces highly toxic fumes. Iodine, iodine compounds.

Precautions for Fire Fighters:

Wear self contained breathing apparatus and protective equipment suitable for the surrounding fire.

Hazchem Code:

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Evacuate the area of all unnecessary personnel. Wear suitable protective equipment refer to Section 8. Eliminate any ignition sources until the area is determined to be free from explosion or fire hazards.

Containment and clean up:

Contain the release and eliminate its source, if this can be done without risk. Take up and containerize for proper disposal laws described under disposal. Comply with federal, state, and local regulations on reporting releases.

SECTION 7 - HANDLING & STORAGE

Precautions for Safe Handling:

Do not breathe dust. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Do not take internally. Eye wash and safety equipment should be readily available.

Conditions for Safe Storage:

Keep container tightly closed. Store at controlled room temperature.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards: No exposure standard allocated.

Biological Limit Values: No biological limit allocated.

Engineering Controls:

Ventilation, respiratory protection, protective clothing, eye protection material should be handled or transferred in an approved fume hood or with adequate ventilation. Wash thoroughly after handling. Eye wash and safety equipment should be readily available.

Personal Protective Equipment:

Protective gloves (neoprene, PVC or equivalent) should be worn to prevent skin contact. Safety glasses with side shields should be worn at all times.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance: Colourless crystals or granules.

Odour: Odourless.

pH: Not available.

Vapour pressure (mm of Hg at 25°C): 1mmHg at 745°C.

Vapour density: Not available.

Boiling point/range (°C): 142°C (760°C mmHg).

Freezing/melting point (°C): 723°C.

Solubility: 60% in water.

Specific gravity or density: Not available.

Flash Point: Non-combustible.

Flammable (explosive) limits: Not available.

Ignition temperature: Not available.

Additional Information:

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions of use.

Conditions to avoid: None indicated

Incompatible Materials: Oxidizers, Bromine Trifluoride, Chlorine Trifluoride, Fluorine Perchlorate.

Hazardous Decomposition Products: Iodine, iodine compounds.

Hazardous Reactions:

Do not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Exposure and Health Effects:

Ingestion:

May be harmful if swallowed.

Inhalation:

May be irritating to the mucous membrane.

Skin Contact:

Prolonged contact may be irritating to skin.

Eye Contact:

Prolonged contact may be irritating to eyes.

Human/Animal data: ORL-MUS LDLO: 1862 mg/kg IVN-RAT LDLO: 167 mg/kg

Tests on laboratory animals indicate material may produce adverse mutagenic and reproductive effects. Cited in registry of toxic effects of substances (RTECS).

Carcinogenicity: The material is not listed (IARC, NTP, OSHA) as cancer causing agent.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

Persistence and degradability: Not available.

Mobility: Not available.

Additional Information:**SECTION 13 - DISPOSAL CONSIDERATIONS****Disposal Methods:**

Dispose of in accordance with local, state and federal regulations and laws.

Special Precautions:**SECTION 14 - TRANSPORT INFORMATION**

UN Number: Not regulated.

UN Proper Shipping Name: Not regulated.

Class and Subsidiary risk: Not regulated.

Packing Group: Not regulated.

Special Precautions for User: Not available.

Hazchem Code: Not available.

SECTION 15 - REGULATORY INFORMATION

Poison Schedule Number: None allocated.

SECTION 16 - OTHER INFORMATION

Date of preparation of MSDS: November 09

Comments:

The information published in this Material Safety Data Sheet has been compiled from data in various technical publications. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. We reserve the right to revise material Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.