



Flinn Scientific Canada Inc.  
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**PRODUCT: Potassium Iodide**

**CODE: J638.00**

### SECTION 01: IDENTIFICATION

MANUFACTURER..... Flinn Scientific Inc.  
PO Box 219  
Batavia, Illinois 60510 USA  
Tel: 1-800-452-1261

PRODUCT NAME..... Potassium Iodide

PRODUCT USE..... This product is intended for use in a laboratory. The use of this product is restricted for use in a laboratory only.

SYNONYMS..... None.

EMERGENCY NUMBER:..... CHEMTREC Emergency Phone Number: 703-527-3887 .

### SECTION 02: HAZARD IDENTIFICATION



SIGNAL WORD..... WARNING.

HAZARD CLASSIFICATION..... Eye Irritation — Category 2B. Acute Toxicity (Oral) — Category 4. Skin Irritation — Category 2.

HAZARD STATEMENT(S)..... H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation.

PRECAUTIONARY STATEMENT(S)..... P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves, protective clothing, eye protection and face protection.

RESPONSE..... P301+P312 IF SWALLOWED: Call a POISON CONTROL center or doctor if you feel unwell. P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P330 Rinse mouth. P332+P313 If skin irritation occurs get medical attention. P362+P364 Take off contaminated clothing and wash before reuse. P337+P313 If eye irritation persists: Get medical advice/attention.

STORAGE..... Flinn Suggested Chemical Storage Pattern: Inorganic #2.

DISPOSAL..... P501 Dispose of contents/container in accordance with local regulations.

### SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
Potassium Iodide	7681-11-0	100

### SECTION 04: FIRST AID MEASURES

MEDICAL ATTENTION AND SPECIAL TREATMENT ..... Call a POISON CENTER or physician if you feel unwell.

INHALATION..... Remove victim to fresh air and keep at rest in a position comfortable for breathing.

INGESTION..... Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

SKIN CONTACT..... Immediately remove all contaminated clothing. Rinse cautiously with water for several minutes.

EYE CONTACT..... Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

### SECTION 05: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA..... Use a tri-class dry chemical fire extinguisher .

HAZARDOUS COMBUSTION PRODUCTS..... None if stored properly.

SPECIAL FIRE FIGHTING PROCEDURES..... None.

NFPA CODE..... None established.

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**SECTION 06: ACCIDENTAL RELEASE MEASURES**

PROTECTIVE EQUIPMENT AND ..... Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly after handling.  
 EMERGENCY PROCEDURES  
 METHODS AND MATERIALS FOR ..... Ventilate area. Sweep up, place in sealed bag or container and dispose. Wash spill site  
 CONTAINMENT AND CLEANING UP after material pickup is complete.

**SECTION 07: HANDLING AND STORAGE**

HANDLING PROCEDURES..... Wash thoroughly after handling .  
 STORAGE NEEDS..... Air, light, and moisture sensitive. Store in a Flinn Chem-Saf™ bag in a cool, dry place away from light. Store with acetates, halides, sulfates, sulfites, thiosulfates and phosphates.  
 FLINN SUGGESTED CHEMICAL STORAGE INORGANIC #2.  
 PATTERN

**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
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Potassium Iodide	Not established	Not established	Not established	Not established	Not established	Not established
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ENGINEERING CONTROLS  
 PROTECTIVE EQUIPMENT..... Wear protective gloves, protective clothing, and eye protection.  
 EYE/TYPE..... Safety goggles.  
 RESPIRATORY/TYPE..... Respiratory device if needed.  
 GLOVES/ TYPE..... Protective gloves.  
 CLOTHING/TYPE..... Protective clothing.  
 FOOTWEAR/TYPE..... Protective footwear.  
 BODY/TYPE..... General personal protective equipment.

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE..... White crystals, granules or powder .  
 ODOUR..... Odourless.  
 ODOUR THRESHOLD..... Not applicable.  
 pH..... Not available.  
 FREEZING POINT ( °C)..... Not applicable .  
 MELTING POINT/FREEZING POINT (°C).... 686°C.  
 BOILING POINT (°C)..... 1420°C.  
 FLASH POINT (°C), METHOD..... Not available.  
 EVAPORATION RATE..... Not applicable .  
 FLAMMABILITY (SOLID; GAS)..... No data available.  
 UPPER FLAMMABLE LIMIT (% VOL)..... Not available.  
 LOWER FLAMMABLE LIMIT (% VOL)..... Not available.  
 VAPOUR PRESSURE (mm Hg)..... Not applicable.  
 VAPOUR DENSITY (AIR=1)..... Not applicable.  
 RELATIVE DENSITY..... 3.12 g/cm<sup>3</sup>.  
 SOLUBILITY..... Water, alcohol, acetone, and glycerol.  
 AUTO IGNITION TEMPERATURE (°C)..... Not available.  
 PARTITION COEFFICIENT — ..... Not available.  
 (N-OCTANOL/WATER)  
 DECOMPOSITION TEMPERATURE..... Not available.  
 VISCOSITY..... Not applicable .

**SECTION 10: STABILITY AND REACTIVITY**

STABILITY..... Stable under normal conditions.  
 POSSIBILITY OF HAZARDOUS REACTIONS None if stored properly.  
 CONDITIONS TO AVOID..... Air, light, and moisture .  
 INCOMPATIBLE MATERIALS..... Avoid contact with reducers, acid, steel, aluminum, alkali metals, brass, magnesium, zinc, cadmium, copper, tin, nickel and their.  
 HAZARDOUS DECOMPOSITION PRODUCTS ..... When heated to decomposition, may emit toxic fumes.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
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Potassium Iodide

Not available

Not available

ROUTE OF ENTRY:..... Skin contact, eye contact, possible inhalation.  
 ACUTE EFFECTS:..... Irritant, possible sensitizer.  
 CHRONIC EFFECTS ..... Possible teratogen.  
 TARGET ORGANS:..... Not available, not all health effects of this substance have been fully investigated.

**SECTION 12: ECOLOGICAL INFORMATION**

ECOTOXICITY..... Data not yet available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

DISPOSAL METHODS..... Please review all Federal, Provincial and Local Regulations that may apply before proceeding.

**SECTION 14: TRANSPORT INFORMATION**

SHIPPING NAME..... Not regulated.  
 PROOF OF CLASSIFICATION..... This product has been classified in accordance with Part 2 of the Transportation of Dangerous Goods Regulations.

**SECTION 15: REGULATORY INFORMATION**

CEPA STATUS..... DSL - The substance is specified on the public Portion of the Domestic Substances List.

**SECTION 16: OTHER INFORMATION**

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