



GLENGARRY CHEMICALS LTD.

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MATERIAL SAFETY DATA SHEET

Emergency Telephone Numbers:

CANUTEC: 1-613-996-6666
POISON CONTROL CENTRE: 1-800-268-9017

W.H.M.I.S. CLASSIFICATION: C, D2A

SECTION I PRODUCT INFORMATION

Product Name : Potassium Iodide-Iodate, R-016, T131-3
Product Use : Analytical Reagent
Chemical Family : Mixture
Chemical Formula : Mixture

SECTION II HAZARDOUS INGREDIENTS

COMPONENTS	Wt / Wt %	LD ₅₀ Oral-rat	HAZARD	CAS NO.
Potassium Iodide	1 to 10	Not Available	Slightly Toxic	7681-11-0
Potassium Iodate	0.1 to 1.0	531 mg/Kg (Mouse)	Oxidizer	7958-05-6

SECTION III PHYSICAL STATE

Appearance and Physical State : Clear and colourless liquid
Odour : None Boiling Point (°C) : Not Available
Specific Gravity (water = 1) : 1.00 - 1.05 Freezing Point (°C) : Not Available
Vapour Pressure (mm Hg) : Not Available % Volatile (by weight) : > 60%
Vapour Density (air = 1) : Not Available pH Product : 8.5 to 9.5
Evaporation Rate : Not Available pH 1% Solution :
Solubility in Water : Miscible Coefficient of Water/Oil Distribution : Not Available

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flammability: Non-Flammable
Upper Explosive Limit : Not Applicable Lower Explosive Limit : Not Applicable
Flash Point : Not Applicable
Means of Extinction: Appropriate for surrounding materials
Special Procedures : Self contained breathing apparatus and protective clothing should be worn in fighting all fires involving chemicals.

SECTION V HEALTH HAZARD DATA

A - EFFECTS OF ACUTE OVEREXPOSURE

EYES: May cause eye irritation.

SKIN: May cause irritation

INHALATION: May cause respiratory tract irritation.

INGESTION: May causes gastrointestinal irritation with nausea, vomiting and diarrhea.

B - EFFECTS OF CHRONIC OVEREXPOSURE

Chronic exposure can lead to iodism characterized by salivation, nasal discharge, sneezing, conjunctivitis, fever, laryngitis, bronchitis, stomatitis, and skin rashes.

SECTION VI EMERGENCY AND FIRST AID

- EYES:** Wash with copious amount of cold water for at least 20 minutes keeping eyelids open. If irritation persists, repeat flushing and obtain medical attention immediately.
- SKIN:** Immediately wash the affected areas with plenty of water. If irritation, redness or burning sensation develops obtain medical advice.
- INHALATION:** Remove to fresh air.
- INGESTION:** Do not attempt to give anything by mouth to an unconscious person. If person is alert and not convulsing rinse mouth out and give 1-2 glasses of water to dilute material and seek medical attention immediately.

SECTION VII TOXICOLOGICAL DATA

- Exposure Limits:** Not Available
- Carcinogenicity:** The ingredients of this product are not classified as carcinogens by ACGIH or IARC, not regulated as carcinogen by OSHA, and not listed as carcinogen by NTP.
- Reproductive Effects:** No information is available.
- Mutagenic Effects:** No information is available.
- Teratogenic Effects:** No information is available.
- Sensitization:** No information is available.
- Routes of Entry:** Ingestion, Inhalation, Skin and eye absorption.

SECTION VIII SPILL OR LEAK PROCEDURES

Steps To Be Taken In Case Material Is Spilled Or Released:

Wear protective equipment. Collect and reuse. If contaminated, collect for disposal.

Disposal Procedures:

Follow your local, provincial, and federal government chemical disposal regulations.

SECTION IX PROTECTION INFORMATION

- Engineering Controls:** Local Exhaust
- Respiratory Protection:** Not normally required
- Protective Clothing:** Chemical resistant Gloves, apron or impervious protective clothing
- Eye Protection:** Safety Glasses
- Other Protective Equipment:** Eye Wash Station and Safety Shower

SECTION X REACTIVITY DATA

- Stability:** Stable
- Conditions to Avoid:** Incompatible materials
- Hazardous Polymerization:** Will Not Occur
- Incompatibility to Other Substances:**
Strong acids, oxidizing and reducing agents.
- Hazardous Combustion Products:**
Thermal decomposition products are toxic and may include hydrogen iodide, oxides of potassium, iodine.

SECTION XI HANDLING AND STORAGE PRECAUTIONS

Use normal "good" industrial hygiene and housekeeping practices, and wear safety equipment when handling this material. Keep containers closed when not in use.

SECTION XII FURTHER INFORMATION

TDG CLASSIFICATION:

NOT REGULATED

Preparation Information:

Prepared By: Regulatory Department

Revision Date: 16-Sep-04

Preparation Date: 09-Aug-01

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