



Centre Anti-Poison pour le Québec: (800) 463-5060

Tél. (Qc): (418) 660-8666 / 800-890-8666

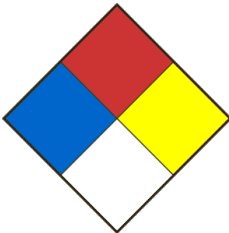
Fax. (Qc): (418) 660-8998

SAFETY DATA SHEET

SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

Product Identifier Iodomethane		Product Use Laboratory use	
Chemical formula CH ₃ I		Product code IR-0107; IR-0113	Molar weight 141,94
Chemical name / Commercial name / Synonymous Iodométhane; IODURE DE METHYLE; Iodure de méthyle; METHANE, IODO- ; Methyl iodide; MONOIODOMETHANE			
Supplier's name Laboratoire MAT		Address-Street 610, Adanac Street	
City Québec		Province Québec	
Postal code G1C 7B7	Internet www.labmat.com	Phone number 418-660-8666 / 800-890-8666	
Emergency phone	CANUTEC: 613-996-6666 CENTRE ANTI-POISON DU QUÉBEC 800-463-5060		
Date SDS 1/20/2023	SDS Prepared by Laboratoire MAT	E-Mail labmat@labmat.com	

SECTION 02 - HAZARDS IDENTIFICATION

Classification WHIMS / GHS	Skin corrosion/irritation - Skin irritation category 2 Serious eye damage/ Eye irritation category 2A Carcinogenicity category 2 Acute toxicity - Oral category 3 Acute toxicity - Dermal category 4 Acute toxicity - Inhalation category 3 Specific target organ toxicity - Single exposure category 3	
Signal Word	DANGER	
Hazards statements (H)	H301 Toxic if swallowed. H312 Harmful in contact with skin. H315 Causes skin irritation. H319 Causes serious eye irritation. H331 Toxic if inhaled. H335 May cause respiratory irritation. H351 Suspected of causing cancer.	
Precautionary statements (P)	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P261 Avoid breathing dust / fume / gas / mist / vapors / spray. P264 Wash the areas of the body that have been in contact with the product after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308 + P313 IF exposed or concerned: Get medical advice/attention. P311 Call a POISON CENTER or doctor/physician. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P321 Specific treatment (see section 4 of the SDS and on this label). P330 Rinse mouth. P332 + P313 If skin irritation occurs: Get medical advice/attention. P337 + P313 If eye irritation persists: Get medical advice/attention. P362 + P364 Take off contaminated clothing and wash it before reuse. P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with local / regional / national / international regulations or contact a specialist waste disposal company.	
PICTOGRAMS		
Other dangers	NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Significant; 4=Extreme)	
	Health 3 Fire 1 Reactivity 0 Special danger	

SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingrédients (Dénomination chimique / synonymes)	Numéro CAS et tout identificateur unique	Concentration (%)
Iodométhane Cuivre en billes (comme stabilisant)	74-88-4 7440-50-8	80-100 <20

SECTION 04 - FIRST AID MEASURES

Eye contact	Wash eyes with large amounts of water for at least 15 minutes while holding eyelids apart to rinse eyes. See a doctor.
Skin contact	Wash skin with plenty of water for at least 15 minutes. Remove soiled clothing. Consult a physician.
Inhalation	Move the unwell person to the fresh air. If breathing is difficult, give oxygen. Consult a physician.
Ingestion	If the person is conscious, drink water and induce vomiting. Induce vomiting. Never give anything by mouth to an unconscious person. Contact a doctor, medical facility or poison control center to find out if vomiting should be induced.
Most important symptoms and effects (acute and delayed)	Main symptoms of high exposure: Inebriation. Dizziness. Feeling drunk. Vertigo. Blurry vision. Pulmonary edema. Neurological disorders. Psychosis. Hallucinations. Skin, eye and respiratory system irritation. Redness. Diarrhea. Ref. section 11.
Immediate medical attention and special treatment, if necessary	In case of medical consultation, keep this sheet available. In case of poisoning, the following can be administered as an antidote: Activated carbon (20 - 40@g in 10@% suspension). If it is not possible to consult a doctor quickly.
General advice	Show this safety data sheet to the doctor in attendance.

SECTION 05 - FIREFIGHTING MEASURES

Flammability	No
Ignition conditions	Not flammable or combustible.
Suitable extinguishing media	Water spray. Carbon dioxide or dry powder.
Unsuitable extinguishing media	Data not available.
Hazardous combustion products	Hazardous combustion products formed under fire conditions: - Hydrogen iodide. Iodine vapors. Carbon oxides.
Special fire and explosion hazards	Sinks and slowly decomposes in water forming poisonous vapor cloud of HI. May react violently with incompatible products (Ref Section 10).
Special protective equipment and precautions for firefighters	Discard incompatible substances if this can be done without risk. Firefighters should be equipped with standard protective equipment, fireproof clothing, face mask, gloves, protective boots and, where appropriate, self-contained breathing apparatus.

SECTION 06 - ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and cleaning up / Personnel precautions, protective equipment	Evacuate personnel to safe areas. Recommended distance: at least 50 meters (150 feet) for liquids and at least 25 meters (75 feet) for solids. Cut off all sources of ignition. Avoid breathing vapors, mist or gas. When handling, wear appropriate safety equipment. Use a respirator as needed. Vapors can accumulate in low areas. Absorb residues with vermiculite or other absorbents. Dispose of residues in a container provided for the disposal of hazardous materials. Do not let product enter drains.
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SECTION 07 - HANDLING AND STORAGE

Conditions for safe storage	Keep container tightly closed and store away from incompatible products, heat, sparks, and open flame. Keep container tightly closed in a dry and well-ventilated place. Protect from light and sunlight. Air, light, and moisture sensitive. Recommended storage temperature: 2 - 8 °C.
Methods of handling	Do not use metal utensils to handle iodine as it attacks steel. Avoid contact with the skin, eyes and clothes. Avoid ingestion and inhalation. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust or vapor is formed. Wear personal protective equipment when handling. Always ensure good ventilation. Transport according to TDG (ref Section 14)

SECTION 08 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace control parameters

Component	No.-CAS	Control parameters	Value	Basis
Iodomethane	74-88-4	TWA	2ppm 12mg/m ³	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
Remarks	Substance may be readily absorbed through intact skin			
		TWA	2ppm	Canada. British Columbia OEL
	Contributes significantly to the overall exposure by the skin route.			
		TWAEV	2ppm 12mg/m ³	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
	Carcinogenic effect suspected in humans			

Data source	Sigma-Aldrich.
Ventilation	Fan.
Respiratory	If work under the hood is not possible, or if the permissible levels are exceeded, use a mechanical filter / cartridge against NIOSH vapors or a respirator with air supply.
Gloves	Handle with gloves.
Eyes	Safety goggles with safety shutters.
Shoes	Safety shoes.
Clothing	Labcoat. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Engineering control	Have safety showers and eyewash stations in the workplace in case of an emergency and a ventilation system to maintain the level of concentrations in the air below the exposure limit values.

SECTION 09 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid.
Appearance	Liquide clair.
Odour	Donnée non disponible.
Odour threshold	Data not available
pH	6.3 à 21.1 °C.
Melting point / Freezing point	-64°C
Initial boiling point	41°C
Boiling range	41-43°C
Flash point	32.1°C
Evaporation rate	Data not available
Flammability	No
Lower flammable / Explosive limit	66% v/v
Upper flammable / Explosive limit	8.5% v/v
Vapour pressure	544 hPa à 20 °C.
Vapour density	4.90 - (Air = 1.0)-
Relative density	2.28 gcm ³ à 25 °Cg/ml
Solubility	8.66 g/l dans l'eau à 20 °C (68 °F).
Partition coefficient water/n-octanol	log Pow: 1.57 à 20 °C (68 °F) - Bioaccumulation n'est pas à prévoir.-
Auto-ignition temperature	350 à 994.10 hPa°C
Decomposition temperature	Data not available
Viscosity	0.23 mm ² /s à 10 °C (50 °F) - OPPTS 830.7100 - 0.2 mm ² /s à 30 °C (86 °F) - OPPTS 830.7100 -

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	May react violently with incompatible substances. Vapor/air-mixtures are explosive at intense warming.
Chemical stability	Sensitive to light. Decomposes on exposure to light. Contains the following stabilizer: Copper beads as a stabilizer. Moisture sensitive.
Possibility of hazardous reactions	May react violently with incompatible substances. Danger of explosion with silver chlorite, phosphines, sodium, strong bases, potassium, calcium, oxygen. On contact with water or moisture, it slowly releases hydrogen iodide gas.
Conditions of instability (Including sensitivity to shock / static discharge / vibration)	This product browns quickly if exposed to air or light. Heat, flames, sparks. Avoid moisture.
Incompatible material	Chlorites, phosphines, alkali metals, strong bases, sodium, potassium, calcium, oxygen, strong oxidants, reducing agents. Water.
Hazardous decomposition products	Toxic vapors of hydrogen iodide. Carbon oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION

IODOMETHANE

Routes of exposure	Ingestion, inhalation, skin contact.
Acute exposition effects / symptoms:	By exposure route below.
- Eyes	May cause severe eye irritation. The severity of damage depends on the duration of contact.
- Skin	Harmful if absorbed through skin. May cause dermatitis. Redness. Irritation and tissue burns.
- Inhalation	Toxic if inhaled. Pulmonary edema. Cough. Headache, dizziness, nausea and vomiting. Dizziness. Neurotoxic effects. Coma, death. Inhalation effects may be delayed.
Acute toxicity (Ingestion)	Toxic if swallowed. Drowsiness, headache, dizziness, vertigo. Diarrhea. Damage for: Nervous system.
Chronic exposure effects / symptoms	To our knowledge, the chemical, physical and toxicological properties have not been fully investigated. Group 3: unclassifiable agent for its carcinogenicity (Group 3 IARC).
DL50 (specify species and route of entry)	LD50 Oral - Rat - 76mg/kg. LD50 Dermal - Rabbit - > 2000 mg / kg
CL50 (specify species and route of entry)	CL50 inhalation - Rat 1.4 mg/L - 4 h.

SECTION 12 - ECOLOGICAL INFORMATION

Available ecological information	No
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SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Method	Dispose of contents / container in accordance with local / regional / national / international regulations / or contact a specialist waste disposal company.
Contaminated Packaging	Dispose of as unused product.

SECTION 14 - TRANSPORT INFORMATION

UN Number	2644
UN Proper shipping name	IODURE DE MÉTHYLE
Transport hazard class(es)	6.1 Toxic substances
Packing group	I
Limited quantity index	0L
ERAP Index	1000
Special precautions	23

SECTION 15 - REGULATORY INFORMATION

WHIMS CANADA	Skin corrosion/irritation - Skin irritation category 2 Serious eye damage/ Eye irritation category 2A Carcinogenicity category 2 Acute toxicity - Oral category 3 Acute toxicity - Dermal category 4 Acute toxicity - Inhalation category 3 Specific target organ toxicity - Single exposure category 3
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SECTION 16 - OTHER INFORMATION

Further information

The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. It does not represent any guarantee of the properties of the product. Laboratoire MAT Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

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