



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

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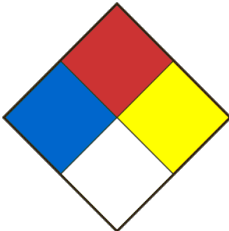
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## SAFETY DATA SHEET

### SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

Product Identifier SODIUM IODIDE		Product Use Laboratory use	
Chemical formula NaI		Product code SR-0136	Molar weight 149,89
Chemical name / Commercial name / Synonymous SODIUM IODIDE, MONOIODURE DE SODIUM, IODURIL, ANAYODIN			
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 2/20/2020	SDS Prepared by Laboratoire MAT	E-Mail labmat@labmat.com	

## SECTION 02 - HAZARDS IDENTIFICATION

<b>Classification WHIMS / GHS</b>	Skin corrosion/irritation - Skin irritation category 2 Serious eye damage/ Eye irritation category 2A Specific Target Organ Toxicity - Repeated exposure category 1	
<b>Signal Word</b>	DANGER	
<b>Hazards statements (H)</b>	H315 Causes skin irritation. H319 Causes serious eye irritation. H372 Causes damage to organs through prolonged or repeated exposure.	
<b>Precautionary statements (P)</b>	P264 Wash the areas of the body that have been in contact with the product after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302 + P352 IF ON SKIN: Wash with plenty of soap and 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. P321 Specific treatment (see section 4 of the SDS and on this label). 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. P260 Do not breathe dust / fume / gas / mist / vapours / spray. P270 Do not eat, drink or smoke when using this product. P314 Get medical advice/attention if you feel unwell. P501 Dispose of contents/container in accordance with local / regional / national / international regulations or contact a specialist waste disposal company.	
<b>PICTOGRAMS</b>		
<b>Other dangers</b>	NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Signifiant; 4=Extreme)	
	<b>Health</b> 2 <b>Fire</b> 0 <b>Reactivity</b> 0 <b>Special danger</b>	

## SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingrédients (Dénomination chimique / synonymes)	Numéro CAS et tout identificateur unique	Concentration (%)
Iodure de sodium	7681-82-5	<=100%

## SECTION 05 - FIREFIGHTING MEASURES

<b>Flammability</b>	No
<b>Ignition conditions</b>	Not flammable or combustible.
<b>Suitable extinguishing media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Unsuitable extinguishing media</b>	Data not available.
<b>Hazardous combustion / decomposition products</b>	Hazardous decomposition products formed under fire conditions. - Hydrogen iodide, Sodium oxides
<b>Special fire and explosion hazards</b>	Sodium iodide reacts violently with bromine trifluoride and strong oxidizing agents. May react violently with incompatible products (Ref Section 10).
<b>Special protective equipment and precautions for firefighters</b>	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

<b>Methods and materials for containment and cleaning up / Personnel precautions, protective equipment</b>	Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Pick up with a shovel or broom, taking care not to scatter dust. Clean and rinse with water. 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

<b>Conditions for safe storage</b>	Air, light, and moisture sensitive. Store in a cool, dry place. Store in a well-ventilated area. Protect from light and sunlight. Keep container tightly closed and store away from heat, moisture, and incompatible products.
<b>Methods of handling</b>	Always open containers slowly to allow any excess pressure to vent. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust or vapor is formed.

## SECTION 09 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	Solid.
<b>Appearance</b>	Poudre granuleuse de couleur blanche.-
<b>Odour</b>	inodore.
<b>Odour threshold</b>	Data not available
<b>pH</b>	8.0 - 9.5.
<b>Melting point / Freezing point</b>	651 - 659 °C @ 97.5 kPa-
<b>Initial boiling point</b>	1304°C
<b>Boiling range</b>	Data not available
<b>Flash point</b>	Data not available
<b>Evaporation rate</b>	Data not available
<b>Flammability</b>	No
<b>Lower flammable / Explosive limit</b>	Data not available
<b>Upper flammable / Explosive limit</b>	Data not available
<b>Vapour pressure</b>	1.333 hPa @ 767 °C-
<b>Vapour density</b>	Data not available
<b>Relative density</b>	3.5 g/cm <sup>3</sup> @ 25 °C-
<b>Solubility</b>	Très soluble dans l'eau: 165 g/L @ 25 °C . Soluble dans l'alcool, la glycérine et l'acétone..
<b>Partition coefficient water/n-octanol</b>	Pow: 0.05 @ 25 °C-
<b>Auto-ignition temperature</b>	Data not available
<b>Decomposition temperature</b>	Data not available
<b>Viscosity</b>	Data not available

## SECTION 10 - STABILITY AND REACTIVITY

<b>Reactivity</b>	Non-reactive under normal conditions.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	Stable under normal conditions.
<b>Conditions of instability (Including sensitivity to shock / static discharge / vibration)</b>	Sensitive to the air. This product may decompose if exposed to light and moisture.
<b>Incompatible material</b>	Strong oxidizing agents (nitric acid, perchloric acid, peroxides, chlorates and perchlorates), strong reducing agents (potassium, sodium, hydrides of metals), strong acids, steel, aluminum, trifluoride bromine, cadmium, calomel, chloral hydrate, copper, tin, brass, magnesium, nickel, alkaloidal salts and metal salts, zinc, light and moisture.
<b>Hazardous decomposition products</b>	Hazardous decomposition products formed under fire conditions. - Hydrogen iodide, Sodium oxides.

## SECTION 11 - TOXICOLOGICAL INFORMATION

## SODIUM IODIDE

<b>Routes of exposure</b>	Ingestion, inhalation, skin and eyes.
<b>Acute exposition effects / symptoms:</b>	By exposure route below.
<b>- Eyes</b>	Severe irritation and may result in inflammation of the conjunctiva.
<b>- Skin</b>	Irritation and dermatitis. Prolonged exposure to the skin may result in a skin reaction characterized mainly by vesicular or bullous lesions.
<b>- Inhalation</b>	Irritation of the mucous membranes and respiratory tract. Nervous disorders, chest pain, cough, dyspnea, headache, dizziness, fever, nausea and vomiting. Acute inhalation may cause pulmonary edema.
<b>Acute toxicity (Ingestion)</b>	Irritation and burning of the mouth, throat, esophagus and abdominal wall. Dysphagia, endocrine disorders (hypothyroidism), abdominal pain, cramps, diarrhea, melena, headache, dizziness, intense thirst, sweating, salivation, nausea and vomiting, convulsions, stupor, circulatory collapse, unconsciousness, coma and may result in death.
<b>Chronic exposure effects / symptoms</b>	Burning sensation, dermatitis, conjunctivitis, nervous disorders, chest pain, cough, dyspnea, laryngitis, headache, dizziness, confusion, irritability, sweating, salivation, fatigue, erythema, hypothyroidism, weight loss and loss of appetite convulsions, nausea and vomiting. Prolonged exposure may cause reproductive abnormalities and teratogenic effects in the fetus.
<b>DL50 (specify species and route of entry)</b>	LD50 Oral - Rat - 4,340 mg/kg LD50 Dermal - Rat - 2000 mg/kg.
<b>CL50 (specify species and route of entry)</b>	LC50 - Inhalation - Data not available.

## SECTION 12 - ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Toxicity to fish: LC50 - Oncorhynchus mykiss (rainbow trout) - 860 mg / l - 96 h Toxicity to daphnia and other aquatic invertebrates: EC50 - Daphnia magna (Great Daphnia) - 0.17 mg / l - 48 h
<b>Persistence and degradability</b>	Soluble in water. Persistence is unlikely based on the information provided.
<b>Bioaccumulative potential</b>	Bioaccumulation Chasmichthys gulosus - 20 d Bioconcentration factor (BCF): 344
<b>Mobility in soil</b>	Probable mobility in the environment due to its solubility in water.
<b>Other adverse effects</b>	Very toxic to aquatic life. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## SECTION 13 - DISPOSAL CONSIDERATIONS

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

## SECTION 14 - TRANSPORT INFORMATION

<b>UN Number</b>	N/R
<b>UN Proper shipping name</b>	
<b>Transport hazard class(es)</b>	
<b>Packing group</b>	
<b>Limited quantity index</b>	
<b>ERAP Index</b>	
<b>Special precautions</b>	

## SECTION 15 - REGULATORY INFORMATION

<b>WHIMS CANADA</b>	Skin corrosion/irritation - Skin irritation category 2 Serious eye damage/ Eye irritation category 2A Specific Target Organ Toxicity - Repeated exposure category 1
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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.

**Last Update: 2/20/2020**