



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

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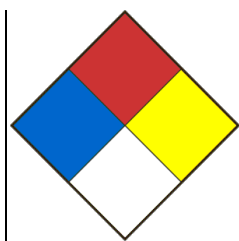
SAFETY DATA SHEET

SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

Product Identifier SODIUM METHOXYDE		Product Use Laboratory use	
Chemical formula CH ₃ ONa		Product code SP-0157	Molar weight 54,02
Chemical name / Commercial name / Synonymous SODIUM METHYLATE, SODIUM METHOXIDE, MÉTHANOLATE DE SODIUM, METHANOL SODIUM SALT, SODIUM METHALONATE			
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 1/11/2021	SDS Prepared by Laboratoire MAT		E-Mail labmat@labmat.com

SECTION 02 - HAZARDS IDENTIFICATION

Classification WHIMS / GHS	<p>Flammable solids category 1</p> <p>Self-heating substances category 1</p> <p>Corrosive to metals-Category 1</p> <p>Skin corrosion/irritation - Skin corrosion category 1A</p> <p>Serious eye damage/eye irritation - Serious eye damage category 1</p> <p>Acute toxicity - Oral category 4</p>
Signal Word	DANGER
Hazards statements (H)	<p>H228 Flammable solid.</p> <p>H251 Self-heating: may catch fire.</p> <p>H290 May be corrosive to metals.</p> <p>H302 Harmful if swallowed.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H318 Causes serious eye damage.</p>
Precautionary statements (P)	<p>P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.</p> <p>P234 Keep only in original container.</p> <p>P235 Keep cool.</p> <p>P240 Ground/bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical/ventilating/lighting equipment.</p> <p>P260 Do not breathe dust / fume / gas / mist / vapors / spray.</p> <p>P264 Wash the areas of the body that have been in contact with the product after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.</p> <p>P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.</p> <p>P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310 Immediately call a POISON CENTER or doctor/physician.</p> <p>P321 Specific treatment (see section 4 of the SDS and on this label).</p> <p>P330 Rinse mouth.</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P370 + P378 In case of fire: Use dry powder or dry sand for extinction.</p> <p>P390 Absorb spillage to prevent material damage.</p> <p>P405 Store locked up.</p> <p>P406 Store in a corrosion resistant container / or a container with corrosion resistant liner.</p> <p>P407 Maintain air gap between stacks/pallets.</p> <p>P413 Store bulk masses greater than 450 L at temperatures not exceeding 50 °C.</p> <p>P420 Store away from other materials.</p> <p>P501 Dispose of contents/container in accordance with local / regional / national / international regulations or contact a specialist waste disposal company.</p>
PICTOGRAMS	
Other dangers	NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Significant; 4=Extreme)



Health 3
Fire 3
Reactivity 2
Special danger EAU

SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingrédients (Dénomination chimique / synonymes)	Numéro CAS et tout identificateur unique	Concentration (%)
Méthoxyde de sodium	124-41-4	<=100

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. If irritation persists, seek medical attention.
Skin contact	Wash skin with plenty of water for at least 15 minutes. Remove soiled clothing. If irritation persists, seek medical attention.
Inhalation	Move the unwell person to the fresh air. If breathing is difficult, give oxygen. Consult a physician.
Ingestion	If the person is conscious, rinse the mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician.
Most important symptoms and effects (acute and delayed)	Main symptoms of high exposure: Cough. Breathing difficulties. Pulmonary edema. Irritation of the respiratory system. Skin irritation. Eyes irritation. Irritation of the nose and throat. Irritation of mouth and stomach if swallowed. Ref. section 11.
Immediate medical attention and special treatment, if necessary	In case of medical consultation, keep this sheet available.
General advice	Show this safety data sheet to the doctor in attendance.

SECTION 05 - FIREFIGHTING MEASURES

Flammability	Yes
Ignition conditions	Contact with water. Heat, sparks and open flame.
Suitable extinguishing media	Dry powder or dry sand.
Unsuitable extinguishing media	DO NOT USE WATER, FOAM OR CO ₂ .
Hazardous combustion products	Hazardous decomposition products formed under fire conditions. - Carbon oxides, Sodium oxides.
Special fire and explosion hazards	May react violently with incompatible products (Ref Section 10). Reacts violently with water. Risk of ignition. Contact with water or foam applied to adjacent fires will produce flammable methanol. Dust can form an explosive mixture with air. Containers may explode when heated. Mixing chloroform with sodium or potassium metal and sodium methoxide may cause an explosion. Keep product and empty containers away from heat and sources of ignition.
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. Ensure adequate ventilation. Remove all sources of ignition. Avoid the accumulation of charges electrostatic. Use personal protective equipment. Pick up with a shovel or broom, taking care not to scatter dust. Do NOT use absorbents composed with minerals, clay, or cellulose. Do NOT rinse with water. Avoid contact 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

Conditions for safe storage	Keep container tightly closed away from heat, moisture, and incompatible materials. Store in a well-ventilated area. Never allow product to get in contact with water during storage. Store under inert gas. Keep away from heat (above 50C) and ignition source. May ignite on contact with moist air. Hygroscopic.
Methods of handling	Avoid contact with the skin, eyes and clothes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Use a hood preferably. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. Keep away from moisture. 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

Components	CAS-No.	Control	Value	Basis
SODIUM METHOXIDE	124-41-4	TLV, TWA, STEL	No data available	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
		TLV, TWA, STEL	No data available	Canada. British Columbia OEL
		TLV, TWA, STEL	No data available	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants

Ventilation	Use 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	Solid.
Appearance	Poudre blanche/jaune clair.
Odour	inodore.
Odour threshold	Data not available
pH	12.8 (10 g/l à 20 °C).
Melting point / Freezing point	126°C (dec)
Initial boiling point	Data not available
Boiling range	Data not available
Flash point	33°C
Evaporation rate	Data not available
Flammability	Yes
Lower flammable / Explosive limit	7.3%
Upper flammable / Explosive limit	36%
Vapour pressure	50 mmHg à 20 °C.
Vapour density	Data not available
Relative density	Data not available
Solubility	Réagit violemment au contact de l'eau. Soluble dans l'alcool..
Partition coefficient water/n-octanol	Data not available
Auto-ignition temperature	>50°C
Decomposition temperature	126°C
Viscosity	Data not available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	Material may react violently with water. Flammable product, may ignite with source of ignition, if temperature above flash point. Basic product, reacts violently with strong acids. Reacts strongly with metals. Reducing product, may react violently with oxidizing agents.
Chemical stability	Moisture sensitive.
Possibility of hazardous reactions	Reacts violently with water. Avoid dust formation. On contact with certain metals, the product may generate hydrogen gas. Ignite on contact with moist air.
Conditions of instability (Including sensitivity to shock / static discharge / vibration)	Heat, flames, sparks. Exposure to moisture. Sensitive to the air.
Incompatible material	Water. Acids. Chlorinated solvents. Strong oxidizing agents. Metals. Vigorous reaction and possibility of inflammation with 4-chloronitrobenzene and fluorinated cyclopropenylmethylethers, such as perfluoromethoxycyclopropene.
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. - Carbon oxides, Sodium oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION

SODIUM METHOXYDE

Routes of exposure	Ingestion, inhalation, skin and eyes.
Acute exposition effects / symptoms:	By exposure route below.
- Eyes	Redness. Irritation and burns that may cause permanent eye damage.
- Skin	Redness. Severe irritation and tissue burn. Product is extremely destructive to mucosal, upper respiratory, eye and skin tissues
- Inhalation	Cough. Pulmonary edema The product is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
Acute toxicity (Ingestion)	Burns and corrosion of the digestive tract. Product is extremely destructive to mucosal, upper respiratory, eye and skin tissues The product is a corrosive material. Born not perform gastric lavage, do not induce vomiting. Check for lack of perforation Stomach or oesophageal: Ingestion causes severe swelling, serious injury to delicate fabrics and a danger of perforation.
Chronic exposure effects / symptoms	Burning sensation, Cough, asthmatic, laryngitis, Shortness of breath, spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pulmonary congestion, pulmonary edema.
DL50 (specify species and route of entry)	LD50 Oral - Rat - Male et female - 1687 mg/kg. LD50 Dermal - Rat - Male et female - >2000 mg/kg
CL50 (specify species and route of entry)	LC50 - Inhalation - Data not available.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity	LC50 - Leuciscus idus (Golden orfe) - Static test: 346 mg/L - 48 h.
Persistence and degradability	Reacts violently with water. Persistence is unlikely based on information provided.
Bioaccumulative potential	Data not available.
Mobility in soil	Is not likely mobile in the environment due its low water solubility.
Other adverse effects	Data not available.

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	1431
UN Proper shipping name	MÉTHYLATE DE SODIUM
Transport hazard class(es)	4.2 Substances liable to spontaneous combustion 8 Corrosive substances
Packing group	II
Limited quantity index	0kg
ERAP Index	1000
Special precautions	-

SECTION 15 - REGULATORY INFORMATION

WHIMS CANADA	Flammable solids category 1 Self-heating substances category 1 Corrosive to metals-Category 1 Skin corrosion/irritation - Skin corrosion category 1A Serious eye damage/eye irritation - Serious eye damage category 1 Acute toxicity - Oral category 4
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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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