



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

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


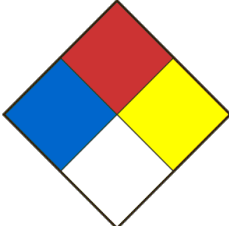
Fax. (Qc): (418) 660-8998

SAFETY DATA SHEET

SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

Product Identifier 1-METHYLNAPHTHALENE		Product Use Laboratory use	
Chemical formula C ₁₀ H ₁₁		Product code MP-0158	Molar weight 142,2
Chemical name / Commercial name / Synonymous 1-Méthylnaphtalène; Methylnaphthalene; Alpha-méthylnaphtalène; Méthyl-1 naphtalène; Naphtalène,1-méthyl			
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 3/1/2023	SDS Prepared by Laboratoire MAT	E-Mail labmat@labmat.com	

SECTION 02 - HAZARDS IDENTIFICATION

Classification WHIMS / GHS	Aspiration hazard category 1 Acute toxicity - Oral category 4 Liquides inflammables category 4
Signal Word	DANGER
Hazards statements (H)	H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H227 Combustible liquid.
Precautionary statements (P)	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. P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P330 Rinse mouth. P331 Do NOT induce vomiting. P405 Store locked up. P501 Dispose of contents/container in accordance with local / regional / national / international regulations or contact a specialist waste disposal company. P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking. P280 Wear protective gloves/protective clothing/eye protection/face protection. P370 + P378 In case of fire: Use water spray or alcohol-resistant foam, or dry powder or carbon dioxide for extinction. P403 Store in a well-ventilated place.
PICTOGRAMS	
Other dangers	NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Signifiant; 4=Extreme)
	Health 2 Fire 2 Reactivity 0 Special danger

SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingrédients (Dénomination chimique / synonymes)	Numéro CAS et tout identificateur unique	Concentration (%)
1-Méthylinaphtalène	90-12-0	<=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	Clean mouth with water. If the person is conscious, give water to drink. Never give anything by mouth to an unconscious person. Consult a physician.
Most important symptoms and effects (acute and delayed)	Symptoms of overexposure may include headaches, dizziness, fatigue, nausea and vomiting. 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	Combustible material. It can ignite if heated moderately in the presence of an ignition source. It can also ignite on contact with strong oxidizing materials.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Water mist can be used to cool closed containers.
Unsuitable extinguishing media	Do not use a concentrated stream of water that could spread fire.
Hazardous combustion products	Hazardous combustion products formed under fire conditions: Carbon monoxide (CO) Carbon dioxide (CO ₂)
Special fire and explosion hazards	Keep product and empty containers away from heat and sources of ignition. Risk of ignition. Containers may explode when heated. 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 / Personal precautions, protective equipment	Evacuate personnel to safe areas. Remove all sources of ignition. Ensure a good ventilation of the premises. When handling, wear appropriate safety equipment. Use personal protective equipment. Avoid breathing vapors, mist or gas. Use a respirator as needed. Beware of vapors accumulating to form explosive concentrations. 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	Store in a dry, cool and well-ventilated place. Keep container tightly closed and store away from heat, water, moisture, and incompatible products. Keep away from sources of ignition - No smoking. Take measures to prevent the accumulation of electrostatic charges.
Methods of handling	Avoid contact with the skin, eyes and clothes. Avoid ingestion and inhalation. Avoid inhalation of vapor or mist. Keep away from flames, hot surfaces and sources inflammation. 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
1-Methylnaphthalene	90-12-0	TLV, TWA, STEL	0.5 ppm	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
		TLV, TWA, STEL	0.5 ppm	Canada. British Columbia OEL
		TLV, TWA, STEL	0.5 ppm	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants

Data source	Fisher Scientific
Ventilation	Use fan.
Respiratory	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	Incolore à jaune clair, huileux.-
Odour	Odeur de goudron de houille ou de naphtaline..
Odour threshold	0,02 ppm à 60 °C (détection)-
pH	Donnée non disponible..
Melting point / Freezing point	-22 °C (-8 °F) - lit.-
Initial boiling point	240 - 243 °C (464 - 469 °F) - lit.-
Boiling range	Data not available
Flash point	82 °C (180 °F) - coupelle fermée-
Evaporation rate	Data not available
Flammability	Yes
Lower flammable / Explosive limit	0,07%
Upper flammable / Explosive limit	6,50%
Vapour pressure	0,067 mmHg à 25 °C.-
Vapour density	4,91 (Aérien = 1)-
Relative density	1,0202 g/cm3 à 20 °C.-
Solubility	Insoluble dans l'eau ; Soluble dans les huiles. Très soluble dans l' éthanol et l'éther; soluble dans le benzène..
Partition coefficient water/n-octanol	log Pow : 3.87-
Auto-ignition temperature	529 °C (984 °F)-
Decomposition temperature	Data not available
Viscosity	Data not available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	May react violently with incompatible substances. May ignite on contact with oxidants.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	May react violently with incompatible substances.
Conditions of instability (Including sensitivity to shock / static discharge / vibration)	Heat, flames and sparks.
Incompatible material	Strong oxidizers.
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. Carbon monoxide (CO), Carbon dioxide (CO2)

SECTION 11 - TOXICOLOGICAL INFORMATION

1-METHYLNAPHTHALENE

Routes of exposure	Ingestion, inhalation, skin contact.
Acute exposition effects / symptoms:	By exposure route below.
- Eyes	Irritation.
- Skin	May be harmful in contact with skin. May cause photosensitization characterized by skin allergy to light.
- Inhalation	Aspiration hazard. May be fatal if swallowed and enters airways.
Acute toxicity (Ingestion)	May be fatal if swallowed and enters airways.
Chronic exposure effects / symptoms	Symptoms of overexposure may include headache, dizziness, fatigue, nausea and vomiting. Liver damage. Kidney damage.
DL50 (specify species and route of entry)	Oral LD50 - Rat - 1,840 mg/kg Dermal LD50 - Rabbit - 7,500 mg/kg
CL50 (specify species and route of entry)	LC50 - Inhalation - Data not available.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity	Toxicity to fish: Semi-static LC50 test - <i>Oryzias latipes</i> (Red-orange killifish) - 5.66 mg/l - 96 hours Toxicity to freshwater fish: <i>Pimephales promelas</i> : LC50=9mg/L 48h Toxicity to daphnia and other aquatic invertebrates: Static test CE50 - <i>Daphnia magna</i> (Water flea) - 2.24 mg/l - 48h <i>Daphnia magna</i> : CL50 = 1,2 - 1,4 mg/L 48h Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity): Semi-static test NOEC - <i>Daphnia magna</i> (Water flea) - 0.223 mg/l - 21 days
Persistence and degradability	May persist based on information provided. Biodegradability Result: 2 % - Not readily biodegradable.
Bioaccumulative potential	Data not available.
Mobility in soil	Unlikely mobility in the environment due to its low solubility in water.
Other adverse effects	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The product contains the following substances which are dangerous for the environment. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

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	3082
UN Proper shipping name	MATIÈRE DANGEREUSE DU POINT DE VUE DE L'ENVIRONNEMENT, LIQUIDE, N.S.A.
Transport hazard class(es)	9 Miscellaneous dangerous goods/hazardous material
Packing group	III
Limited quantity index	5L
ERAP Index	-
Special precautions	16,99 (1-MéthylNaphtalène)

SECTION 15 - REGULATORY INFORMATION

WHIMS CANADA	Aspiration hazard category 1 Acute toxicity - Oral category 4 Liquides inflammables 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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