



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

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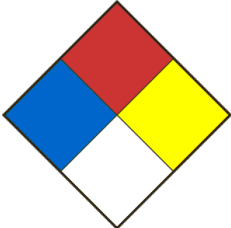
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SAFETY DATA SHEET

SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

Product Identifier NAPHTALENE		Product Use Laboratory use	
Chemical formula C ₁₀ H ₈		Product code NR-0101	Molar weight 128,17
Chemical name / Commercial name / Synonymous NAPHTHALENE, NAPHTALINE, BOULES À MITES, NAPHTHENE, CAMPHRE DE GOUDRON, GOUDRON BLANC			
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 4/21/2021	SDS Prepared by Laboratoire MAT	E-Mail labmat@labmat.com	

SECTION 02 - HAZARDS IDENTIFICATION

Classification WHIMS / GHS	Acute toxicity - Oral category 4 Carcinogenicity category 2 Flammable solids category 2
Signal Word	WARNING
Hazards statements (H)	H302 Harmful if swallowed. H351 Suspected of causing cancer. H228 Flammable solid.
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. P280 Wear protective gloves/protective clothing/eye protection/face protection. P330 Rinse mouth. P501 Dispose of contents/container in accordance with local / regional / national / international regulations or contact a specialist waste disposal company. P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P308 + P313 IF exposed or concerned: Get medical advice/attention. P405 Store locked up. P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ventilating/lighting equipment. P370 + P378 In case of fire: Use water spray or alcohol-resistant foam, or dry powder or carbon dioxide for extinction.
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 (%)
Naphtalène	91-20-3	<=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	Do NOT induce vomiting. If the person is conscious, rinse the mouth with water. 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: Headaches. Tiredness. Nausea and vomiting. Irritation of the respiratory system. Gastrointestinal disorders. Convulsions. Tremors. 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	Heat, sparks and open flame. Fine dust in sufficient concentration may be combustible, or explode if confined to a small space and subject to a source of ignition. Flammable in the presence of a source of ignition, through friction or retained heat.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	Data not available.
Hazardous combustion products	Hazardous combustion products formed under fire conditions: Carbon oxides.
Special fire and explosion hazards	May react violently with incompatible products (Ref Section 10). Dust may form explosive mixtures with air. Prevent fire extinguishing water from contaminating surface or groundwater.
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. Use personal protective equipment. Remove all sources of ignition. Avoid the accumulation of charges electrostatic. Pick up with a shovel or broom, taking care not to scatter dust. 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 cool, dry place. Store in a well-ventilated area. Keep container tightly closed and store away from heat, moisture, and incompatible products. Keep away from heat and sources of ignition. Protect from the sun's rays.
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 or vapor is formed. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. Avoid shock and friction.

SECTION 08 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace control parameters

Components	CAS-No.	Value	Control parameters	Basis
Naphthalene	91-20-3	TWAEV	10 ppm 52 mg/m ³	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
		TWAEV	10.000000 ppm 52.000000 mg/m ³	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
		STEV	15 ppm 79 mg/m ³	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
		STEV	15.000000 ppm 79.000000 mg/m ³	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
		TWA	10.000000 ppm	Canada. British Columbia OEL
Remarks	IARC '2B' applies to substances deemed possibly carcinogenic to humans. Contributes significantly to the overall exposure by the skin route.			
		STEL	15.000000 ppm	Canada. British Columbia OEL
	IARC '2B' applies to substances deemed possibly carcinogenic to humans. Contributes significantly to the overall exposure by the skin route.			
		TWAEV	10.000000 ppm 52.000000 mg/m ³	Canada. Ontario OELs
		STEV	15.000000 ppm 78.000000 mg/m ³	Canada. Ontario OELs
		STEL	15.000000 ppm 79.000000 mg/m ³	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
	Substance may be readily absorbed through intact skin			
		TWA	10.000000 ppm 52.000000 mg/m ³	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
	Substance may be readily absorbed through intact skin			
		TWA	10 ppm 52 mg/m ³	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
	Substance may be readily absorbed through intact skin			
		STEL	15 ppm 79 mg/m ³	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
	Substance may be readily absorbed through intact skin			
		TWA	10 ppm	Canada. British Columbia OEL
	IARC '2B' applies to substances deemed possibly carcinogenic to humans. Contributes significantly to the overall exposure by the skin route.			
		STEL	15 ppm	Canada. British Columbia OEL
	IARC '2B' applies to substances deemed possibly carcinogenic to humans. Contributes significantly to the overall exposure by the skin route.			
		TWA	10 ppm	USA. ACGIH Threshold Limit Values (TLV)
		TWA	10.000000 ppm	USA. ACGIH Threshold Limit Values (TLV)
		STEL	15.000000 ppm	USA. ACGIH Threshold Limit Values (TLV)

Data source	Sigma-Aldrich.
Ventilation	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	Solid.
Appearance	Flocons et granules blanches..
Odour	Caractéristique..
Odour threshold	0.3ppm
pH	Donnée non disponible..
Melting point / Freezing point	80-82°C
Initial boiling point	217.7°C
Boiling range	Data not available
Flash point	79°C
Evaporation rate	Data not available
Flammability	Yes
Lower flammable / Explosive limit	0.9%
Upper flammable / Explosive limit	5.9%
Vapour pressure	0.03 mmHg @ 25°C.
Vapour density	4.42 (air = 1).
Relative density	1.085 g/cm ³ à 24.7°C.
Solubility	Insoluble dans l'eau. Soluble dans l'alcool, le benzène et l'éther.
Partition coefficient water/n-octanol	0.00042-
Auto-ignition temperature	567°C
Decomposition temperature	Data not available
Viscosity	1.05 00 ² /s à 81.5°C.

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. Sensitive to heat.
Possibility of hazardous reactions	May react violently with incompatible substances. May form combustible dust concentrations in the air.
Conditions of instability (Including sensitivity to shock / static discharge / vibration)	Heat, flames and sparks. Avoid dust formation.
Incompatible material	Strong oxidizing agents. Violent reaction with chromic anhydride.
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. Carbon oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION

NAPHTALENE

Routes of exposure	Ingestion, inhalation, skin and eyes.
Acute exposition effects / symptoms:	By exposure route below.
- Eyes	Severe irritation and may result in inflammation of the conjunctiva.
- Skin	Irritation and dermatitis. Prolonged skin contact may result in an allergic reaction characterized mainly by erythematous or eczematous lesions.
- Inhalation	Irritation of the mucous membranes and respiratory tract. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
Acute toxicity (Ingestion)	Irritation of the mucous membranes. Agitation, lethargy, and seizures may occur with naphthalene ingestion. Abdominal pain, liver and kidney damage, cramps, diarrhea, headache, dizziness, convulsions, methemoglobinemia, nausea and vomiting.
Chronic exposure effects / symptoms	Is recognized as a possible carcinogen for humans (class 2B) by IARC. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Hemolytic anemia.
DL50 (specify species and route of entry)	LD50 Oral - Rat - 490.0 mg/kg LD50 Dermal - Rabbit - 20000 mg/kg
CL50 (specify species and route of entry)	LC inhalation - rat - male and female - 4 h > 0.4 mg/L

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity	LC50 - Pimephales promelas (fathead minnow) - 7.9 mg/L - 96 h EC50 - Daphnia magna (Water flea) - 2.16 mg/L - 48 h
Persistence and degradability	Biodegradability aerobic. Result: 2 % - Not readily biodegradable.
Bioaccumulative potential	Bioaccumulation Fish -. Bioconcentration factor (BCF): 427 - 1,158.
Mobility in soil	Data not available.
Other adverse effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.

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	1334
UN Proper shipping name	NAPHTALÈNE BRUT
Transport hazard class(es)	4.1 Flammable solids
Packing group	III
Limited quantity index	5kg
ERAP Index	-
Special precautions	-

SECTION 15 - REGULATORY INFORMATION

WHIMS CANADA	Acute toxicity - Oral category 4 Carcinogenicity category 2 Flammable solids category 2
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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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