



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

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


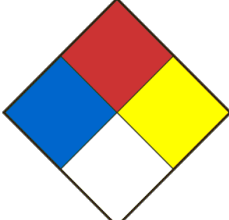
Fax. (Qc): (418) 660-8998

SAFETY DATA SHEET

SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

Product Identifier (+/-) CAMPHOR		Product Use Laboratory use	
Chemical formula C ₁₀ H ₁₆ O		Product code CP-0121	Molar weight 152,24
Chemical name / Commercial name / Synonymous HUILE DE CAMPHRE, CAMPHRE SYNTHÉTIQUE, (±) - CAMPHOR, DL-CAMPHOR, 1,7,7-TRIMETHYLBICYCLO(2.2.1)HEPTAN-2-ONE, 2-BORNANONE, 2-CAMPHANONE, GUM CAMPHOR, BORNAN-2-ONE			
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 9/10/2019	SDS Prepared by Laboratoire MAT	E-Mail labmat@labmat.com	

SECTION 02 - HAZARDS IDENTIFICATION

Classification WHIMS / GHS	<p>Flammable solids category 2</p> <p>Acute toxicity - Oral category 4</p> <p>Skin corrosion/irritation - Skin irritation category 2</p> <p>Specific target organ toxicity - Single exposure category 3</p> <p>Serious eye damage/eye irritation - Eye irritation category 2</p>
Signal Word	<p>WARNING</p>
Hazards statements (H)	<p>H228 Flammable solid.</p> <p>H302 Harmful if swallowed.</p> <p>H315 Causes skin irritation.</p> <p>H335 May cause respiratory irritation.</p> <p>H319 Causes serious eye irritation.</p>
Precautionary statements (P)	<p>P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.</p> <p>P240 Ground/bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical/ventilating/lighting equipment.</p> <p>P261 Avoid breathing dust / fume / gas / mist / vapours / spray.</p> <p>P264 Wash the areas of the body that have been in contact with the product after handling.</p> <p>P270 Do no eat, drink or smoke when using this product.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>P312 Call a POISON CENTER or doctor/physician if you feel unwell.</p> <p>P330 Rinse mouth.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/container in accordance with local / regional / national / international regulations or contact a specialist waste disposal company.</p> <p>P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.</p> <p>P302 + P352 IF ON SKIN: Wash with plenty of soap and water.</p> <p>P321 Specific treatment (see section 4 of the SDS and on this label).</p> <p>P332 + P313 If skin irritation occurs: Get medical advice/attention.</p> <p>P362 + P364 Take off contaminated clothing and wash it before reuse.</p> <p>P370 + P378 In case of fire: Use water spray or alcohol-resistant foam, or dry powder or carbon dioxide for extinction.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P403 + P233 Store in a well-ventilated place. Keep container tightly closed.</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>P337 + P313 If eye irritation persists: Get medical advice/attention.</p>
PICTOGRAMS	
Other dangers	<p>NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Significant; 4=Extreme)</p>
	<p>Health 2</p> <p>Fire 2</p> <p>Reactivity 0</p> <p>Special danger</p>

SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingrédients (Dénomination chimique / synonymes)	Numéro CAS et tout identificateur unique	Concentration (%)
Camphre	76-22-2	<=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)	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.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	Data not available.
Hazardous combustion / decomposition products	Hazardous decomposition products formed under fire conditions. Carbon oxides.
Special fire and explosion hazards	Avoid mixing camphor with chlorates, naphthalene, p-dichlorobenzene, potassium permanganate and organic solvents. Vapors can explode in the presence of a heat source or in contact with chromium trioxide. 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. Ensure adequate ventilation. Use personal protective equipment. 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. Eliminate all sources of inflammation.
---	---

SECTION 07 - HANDLING AND STORAGE

Conditions for safe storage	Protect from the sun's rays. Keep container tightly closed in a dry and well-ventilated place. 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. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

SECTION 08 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace control parameters

Composants	No.-CAS	Paramètres de contrôle	Valeur	Base
CAMPHOR	76-22-2	TWA	12.0000mg/m3	Canada. Alberta,Occupation Health and Safety Code (tableau 2: OEL)
		STEL	19.0000mg/m3	Canada. Alberta,Occupation Health ans Safety Code (tableau 2: OEL)
		TWAEV	12.0000 mg/m3	Canada. Ontario OELs
		STEV	19.0000mg/m3	Canada, Ontario OELs
		TWA	2.000000 ppm	Canada, LEP Colombie Britannique
		STEL	3.000000 ppm	Canada, LEP Colombie Britannique
		VEMP	12.0000 mg/m3	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1 : Permissible exposure values for airborne contaminants.
		TWA	19.0000 mg/m3	Québec, Regulation respecting occupational health and safety. Schedule 1, Part 1: Permissible exposure values for airborne contaminants.

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	Poudre granuleuse de couleur blanche-
Odour	Odeur aromatique..
Odour threshold	1.3ppm
pH	Donnée non disponible.
Melting point / Freezing point	175°C
Initial boiling point	204°C
Boiling range	Data not available
Flash point	64.4°C
Evaporation rate	Data not available
Flammability	Yes
Lower flammable / Explosive limit	0.6%
Upper flammable / Explosive limit	3.5%
Vapour pressure	0.65 mmHg @ 25°C.
Vapour density	5.25 (Air =1.0).
Relative density	0.992 g/cm ³ à 25°C.
Solubility	Très peu soluble dans l'eau (0.13%). Soluble dans l'alcool et l'éther.
Partition coefficient water/n-octanol	log Pow : 2.414 à 25°C.
Auto-ignition temperature	460°C
Decomposition temperature	Data not available
Viscosity	Data not available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	Non-reactive under normal conditions.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Stable under normal conditions.
Conditions of instability (Including sensitivity to shock / static discharge / vibration)	Heat, flames and sparks.
Incompatible material	Strong oxidizing agents. Strong reducing agents. Trioxide of chromium, naphthalene, p-dichlorobenzene, potassium permanganate. Chlorinated solvents. Heat and humidity.
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. Carbon oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION

(+/-) CAMPHOR

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	Harmful if absorbed through skin Severe irritation and dermatitis.
- Inhalation	Toxic if inhaled. Irritation of the mucous membranes and respiratory tract. Nervous disorders, chest pain, cough, dyspnea, shortness of breath, headache, vertigo, erythema, slow heart rate, convulsions, nausea and vomiting. Prolonged inhalation may cause anxiety, confusion, convulsive tics of the facial muscles, epileptiform seizures, coma and death.
Acute toxicity (Ingestion)	Harmful if swallowed. Irritation of the mucous membranes. Burns in the mouth and throat, dysphagia, abdominal pain, cramps, headache, anxiety, confusion, delirium, tremors, nausea and vomiting, seizures epileptiform, respiratory collapse, coma and can lead to death.
Chronic exposure effects / symptoms	Disorientation, coma, Nausea, Dizziness, Migraine. Dosages exceeding 2.0 grams have been reported to be /CNS depressant/ and may cause convulsions, delirium, hallucinations, and death. Burning sensation, dermatitis, conjunctivitis, nervous disorders, chest pain, cough, dyspnoea, laryngitis, headache, dizziness, confusion, irritability, erythema, possible loss of smell, tremors, fatigue, nausea and vomiting.
DL50 (specify species and route of entry)	DL50- Oral(e) - mouse - 1310 mg/kg LD50 Dermal - Data not available.
CL50 (specify species and route of entry)	LC50 - Inhalation - Data not available.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity	LC50 - Pimephales promelas (fathead minnow) - 110 mg/L - 96 h
Persistence and degradability	Aerobic Biodegradability Result: 77% - Easily biodegradable.
Bioaccumulative potential	Data not available.
Mobility in soil	Probable mobility due to its solubility in water.
Other adverse effects	Avoid release to the environment.

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	2717
UN Proper shipping name	CAMPHRE synthétique
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	Flammable solids category 2 Acute toxicity - Oral category 4 Skin corrosion/irritation - Skin irritation category 2 Specific target organ toxicity - Single exposure category 3 Serious eye damage/eye irritation - Eye irritation category 2
--------------	---

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: 9/10/2019