



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

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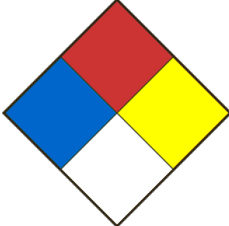
SAFETY DATA SHEET

SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

Product Identifier TURPENTINE		Product Use Laboratory use	
Chemical formula -		Product code TP-2323	Molar weight
Chemical name / Commercial name / Synonymous ESSENCE DE TÉRÉBENTHINE, TURPENTINE, OIL OF TURPENTINE, TURPENTINE SPIRITS, TURPENTED STEAM DISTILLED			
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 10/22/2019	SDS Prepared by Laboratoire MAT	E-Mail labmat@labmat.com	

SECTION 02 - HAZARDS IDENTIFICATION

Classification WHIMS / GHS	<p>Skin corrosion/irritation - Skin irritation category 2</p> <p>Flammable liquids category 3</p> <p>Serious eye damage/ Eye irritation category 2A</p> <p>Aspiration hazard category 1</p> <p>Acute toxicity - Oral category 4</p> <p>Acute toxicity - Dermal category 4</p> <p>Acute toxicity - Inhalation category 4</p> <p>Respiratory or skin sensitization - Skin sensitize category 1</p>
Signal Word	<p>DANGER</p>
Hazards statements (H)	<p>H226 Flammable liquid and vapour.</p> <p>H302 Harmful if swallowed.</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H312 Harmful in contact with skin.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H319 Causes serious eye irritation.</p> <p>H332 Harmful if inhaled.</p>
Precautionary statements (P)	<p>P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.</p> <p>P233 Keep container tightly closed.</p> <p>P240 Ground/bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical/ventilating/lighting equipment.</p> <p>P242 Use only non-sparking tools.</p> <p>P243 Take precautionary measures against static discharge.</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>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.</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>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>P312 Call a POISON CENTER or doctor/physician if you feel unwell.</p> <p>P321 Specific treatment (see section 4 of the SDS and on this label).</p> <p>P330 Rinse mouth.</p> <p>P331 Do NOT induce vomiting.</p> <p>P332 + P313 If skin irritation occurs: Get medical advice/attention.</p> <p>P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.</p> <p>P337 + P313 If eye irritation persists: 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>P403 + P235 Store in a well-ventilated place. Keep cool.</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>

PICTOGRAMS	
Other dangers	NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Signifiant; 4=Extreme)
	Health 2 Fire 3 Reactivity 0 Special danger

SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingrédients (Dénomination chimique / synonymes)	Numéro CAS et tout identificateur unique	Concentration (%)
Térébenthine	8006-64-2	<=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	May react violently with incompatible products (Ref Section 10). Flammable liquid and vapor. May ignite at room temperature. Vapors may form explosive mixtures with air. May ignite due to static discharge. Can accumulate a charge electrostatic by flow, splash or agitation. The liquid can float and move towards remote locations and / or spread flames. Can travel a significant distance to an ignition source and cause flashback to a leak or open container. Can accumulate in dangerous quantities near the ground, especially in enclosed spaces, creating a fire hazard. May accumulate in dangerous quantities near the ground, especially in confined spaces, which creates a risk to health. Closed containers may break violently if they are heated and can then release their contents.
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. Absorb the product with sand or vermiculite. Dilute residues with water, clean and rinse. Ensure a good ventilation of the premises. Dispose of residues in a container for disposal of hazardous materials. When handling, wear suitable safety equipment. Use breathing apparatus if necessary. Avoid breathing vapours, mist or gas. Use anti-spark tools and anti-explosion equipment. Do not let product enter drains.
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SECTION 07 - HANDLING AND STORAGE

Conditions for safe storage	Store in the original container protected from sunlight in a dry, cool and well ventilated area, away from the materials incompatible. Eliminate all sources of inflammation. Separated from oxidizing materials. Keep container tightly closed. Proper containment helps to prevent contamination of the environment.
Methods of handling	Avoid contact with the skin, eyes and clothes. Avoid inhalation of vapour or mist. Use a hood preferably. Use explosion-proof equipment. Take measures to prevent the build up of electrostatic charge. Do not use tools that produce sparks. Do not reuse the container.

SECTION 08 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace control parameters

Components	CAS-No.	Control	Value	Basis
TURPENTINE OIL	8006-64-2	TWA	20.000000 ppm	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
Remarks	Sensitizing: critical effect of awareness			
		TWAEV	20.000000 ppm	Canada. Ontario OELs
		VEMP	20 ppm 112 mg/m3	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
	Sensitizing			
		VEMP	20.000000 ppm 112.000000 mg/m3	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
	The occupational exposure limit is based on the effects of irritation and its adjustment for make up for unusual work schedules is not necessary			
		TWA	20.000000 ppm 111.000000 mg/m3	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
	The occupational exposure limit is based on the effects of irritation and its adjustment for make up for unusual work schedules is not necessary			
		TWA	20.000000 ppm 111.000000 mg/m3	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
	Sensitizing			
		TWA	20.000000 ppm	Canada. British Columbia OEL
	Sensitizing: critical effect of awareness			

Data source	Sigma-Aldrich.
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	Liquid.
Appearance	Incolore.
Odour	Pine.
Odour threshold	100.9 - 201.8ppm
pH	Données non disponibles.
Melting point / Freezing point	-50- -60 °C (fusion/congélation).
Initial boiling point	150-180°C
Boiling range	Data not available
Flash point	36°C
Evaporation rate	< 0.005 (acétate de butyle = 1)%
Flammability	Yes
Lower flammable / Explosive limit	0.8%
Upper flammable / Explosive limit	6%
Vapour pressure	5 mm Hg (1 kPa) à 25 °C.
Vapour density	4.7 (Air = 1)-
Relative density	0.860 - 0.875g/cm ³
Solubility	Insoluble dans l'eau; Soluble peu importe les proportions dans solvants organiques habituels..
Partition coefficient water/n-octanol	Data not available
Auto-ignition temperature	253°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. Vapours may form explosive mixture with air.
Conditions of instability (Including sensitivity to shock / static discharge / vibration)	Heat, flames and sparks. Exposure to the air. Exposure to light. Sun exposure. Temperatures above 36.0 °C (96.8 °F).
Incompatible material	Strong oxidizers. Halogens.
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. Carbon oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION

TURPENTINE

Routes of exposure	Ingestion, inhalation, skin and eyes.
Acute exposition effects / symptoms:	By exposure route below.
- Eyes	Severe irritation and burning may cause permanent eye damage.
- Skin	May be harmful if absorbed through skin. Irritation and dermatitis.
- Inhalation	Cause organ damage. According to the data in humans. Depression of the central nervous system. Symptoms may include headache, nausea, dizziness, drowsiness and confusion. High exposure can cause loss of consciousness. May be harmful if inhaled. Irritation of the mucous membranes and respiratory tract. May cause death.
Acute toxicity (Ingestion)	May be harmful based on animal testing and human experience. Depression of the nervous system central. Symptoms may include headache, nausea, dizziness, drowsiness and confusion. High exposure can cause loss of consciousness.
Chronic exposure effects / symptoms	Exposure to high concentrations in suspension can become anesthetic., Nausea, Dizziness, Migraine. Central nervous system depression: headache, dizziness, nausea, vomiting, loss of consciousness; shortness of breath, abdominal pain, tachycardia; high doses: coma and death by respiratory arrest; possibility of damage to the kidneys and bladder (albuminuria, hematuria and oliguria).
DL50 (specify species and route of entry)	LD50 Oral - Rat - 5760 mg/kg. LD50 Dermal - Data not available.
CL50 (specify species and route of entry)	CL50 inhalation - Rat 2115 ppm - 4 h.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity	LC50 - Danio rerio (zebra fish) - 29 mg/L - 96 h. EC50 - Daphnia magna (Water flea) - 6.4 mg/L - 48 h. EC50 - Desmodesmus subspicatus (green algae) - 17.1 mg/L - 72 h.
Persistence and degradability	Aerobic biodegradability Result: 71.7% - Readily biodegradable. Method: OECD Guideline 301F Notes: The criterion of the window of 10 days is not respected.
Bioaccumulative potential	Data not available.
Mobility in soil	Data not available.
Other adverse effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. 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	1299
UN Proper shipping name	ESSENCE DE TÉRÉBENTHINE
Transport hazard class(es)	3 Flammable liquids
Packing group	III
Limited quantity index	5L
ERAP Index	-
Special precautions	-

SECTION 15 - REGULATORY INFORMATION

WHIMIS CANADA	<p>Skin corrosion/irritation - Skin irritation category 2</p> <p>Flammable liquids category 3</p> <p>Serious eye damage/ Eye irritation category 2A</p> <p>Aspiration hazard category 1</p> <p>Acute toxicity - Oral category 4</p> <p>Acute toxicity - Dermal category 4</p> <p>Acute toxicity - Inhalation category 4</p> <p>Respiratory or skin sensitization - Skin sensitize category 1</p>
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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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