



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

SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

Product Identifier 1-OCTANOL		Product Use Laboratory use	
Chemical formula CH ₃ (CH ₂) ₇ OH		Product code OP-0883; OR-0104; OH-0100	Molar weight 130,23
Chemical name / Commercial name / Synonymous OCTYL ALCOHOL, CAPRYLIC ALCOHOL, n-OCTANOL, 1-N-OCTANOL, HEPTYL CARBINOL, 1-HYDROXYOCTANE, ALCOOL CAPRYLIQUE NORMAL, CAPRYLIC ALCOHOL			
Supplier's name Laboratoire MAT		Address-Street 610, Adanac Street	
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Emergency phone	CANUTEC: 613-996-6666	CENTRE ANTI-POISON DU QUÉBEC 800-463-5060	
Date SDS 3/23/2021	SDS Prepared by Laboratoire MAT	E-Mail labmat@labmat.com	

SECTION 02 - HAZARDS IDENTIFICATION

Classification WHIMS / GHS	Liquides inflammables category 4 Serious eye damage/ Eye irritation category 2A
Signal Word	WARNING
Hazards statements (H)	H319 Causes serious eye irritation. H227 Combustible liquid.
Precautionary statements (P)	P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking. P264 Wash the areas of the body that have been in contact with the product after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/attention. P370 + P378 In case of fire: Use water spray or alcohol-resistant foam, or dry powder or carbon dioxide for extinction. P501 Dispose of contents/container in accordance with local / regional / national / international regulations or contact a specialist waste disposal company. P403 Store in a well-ventilated place.
PICTOGRAMS	
Other dangers	NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Signifiant; 4=Extreme)
	Health 1 Fire 2 Reactivity 0 Special danger

SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingrédients (Dénomination chimique / synonymes)	Numéro CAS et tout identificateur unique	Concentration (%)
1-Octanol	111-87-5	<=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: Skin, eye and respiratory system irritation. Redness. 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	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
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).
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. Remove all sources of ignition. 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 vapors, mist or gas. Ensure adequate ventilation. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Do not let product enter drains. Discharge into the environment must be avoided.
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SECTION 07 - HANDLING AND STORAGE

Conditions for safe storage	Use venting and electrical equipment that is grounded and does not produce ignition sources (sparks). Keep container tightly closed in a dry and well-ventilated place. Store in cool place. Keep container tightly closed and store away from incompatible products, heat, sparks, and open flame.
Methods of handling	Avoid contact with the skin, eyes and clothes. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. Bottle in the glass only.NOTE: may attack some plastics. 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-OCTANOL	111-87-5	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 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	Liquide huileux, clair et incolore.
Odour	Doux, odeur de rose ou d'orange..
Odour threshold	0.1 ppm
pH	Donnée non disponible..
Melting point / Freezing point	-15°C
Initial boiling point	196°C
Boiling range	Data not available
Flash point	80°C
Evaporation rate	Data not available
Flammability	Yes
Lower flammable / Explosive limit	0.8%
Upper flammable / Explosive limit	Data not available
Vapour pressure	0.14 mmHg à 25 °C.
Vapour density	4.5 - (Air = 1.0)-
Relative density	0.824g/ml
Solubility	Insoluble dans l'eau. Miscible avec l'alcool.
Partition coefficient water/n-octanol	log Pow: 2.80 - 3.15-
Auto-ignition temperature	294°C
Decomposition temperature	Data not available
Viscosity	7.288 mPa.s à 25°C.

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	May react violently with incompatible substances.
Chemical stability	Stable under recommended storage conditions. Unstable if heated.
Possibility of hazardous reactions	May react violently with incompatible substances. In case of strong heating, possibility of formation of explosive mixtures with air.
Conditions of instability (Including sensitivity to shock / static discharge / vibration)	Heat, flames, sparks.
Incompatible material	Oxidizing agents, acids and acid chlorides, heat and moisture. Halogens. Isocyanates. Anhydrides of acid. Danger of explosion with perchloric acid, or perchlorates.
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. Toxic vapors of carbon monoxide and dioxide.

SECTION 11 - TOXICOLOGICAL INFORMATION

1-OCTANOL

Routes of exposure	Ingestion, inhalation, skin and eyes.
Acute exposition effects / symptoms:	By exposure route below.
- Eyes	Irritation and may cause inflammation of the conjunctiva.
- Skin	Irritation and dermatitis. May cause allergic skin reactions.
- Inhalation	Irritation of the mucous membranes and respiratory tract. Nervous disorders, dizziness, drowsiness, cough, dyspnea, headache, convulsions, nausea and vomiting.
Acute toxicity (Ingestion)	Irritation of the mucous membranes. Nervous disorders, headaches, cramps, diarrhea, dizziness, convulsions, nausea and vomiting.
Chronic exposure effects / symptoms	Burning sensation, dermatitis, conjunctivitis, skin allergy, nervous disorders, cough, dyspnoea, laryngitis, headache, dizziness, loss of appetite, nausea and vomiting. Depression of the central nervous system, narcosis. Following repeated or prolonged contact, this product has a degreasing effect on the skin. It can cause redness, flaking and cracking.
DL50 (specify species and route of entry)	LD50 Oral - Rat - male and female - > 5,000 mg/kg. LD50 Dermal - Rabbit - > 2000 - < 4000 mg/kg.
CL50 (specify species and route of entry)	LC50 - Inhalation - Data not available.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity	EC50 - Desmodesmus subspicatus (green algae) - Static test: 6.5 mg/L - 48 h. EC50 - Daphnia magna (Water flea) - 15 - 26 mg/L - 24 h. LC50 - Pimephales promelas (fathead minnow) - 13.3 mg/L - 96 h. LC50 - Oncorhynchus mykiss (rainbow trout) - Static test: 17.68 mg/L - 96 h. LC50 - Leuciscus idus (Golden orfe) - 16 mg/L - 48 h. CL50 - Artemia salina (shrimp) 58.9 mg/L - 24 h.
Persistence and degradability	Biodegradability aerobic Result: 92 % - Readily biodegradable Method: OECD Test Guideline 310. Method: OECD Test Guideline 310.
Bioaccumulative potential	Does not bioaccumulate.
Mobility in soil	Is not likely mobile in soil due its low water solubility.
Other adverse effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful 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	N/R
UN Proper shipping name	
Transport hazard class(es)	
Packing group	
Limited quantity index	
ERAP Index	
Special precautions	

SECTION 15 - REGULATORY INFORMATION

WHIMIS CANADA	Liquides inflammables category 4 Serious eye damage/ Eye irritation category 2A
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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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