

Section 1. Identification

Product identifier :	ODOLEP
Other means of identification :	Codes : 90273
Recommended use and restrictions on use :	Concentrated deodorant
Supplier identifier :	Les Produits Sanitaires Lépine inc. 1105 Bersimis Chicoutimi, Qc G7K 1A4 Phone : 418-545-0794 www.produitslepine.com
Emergency telephone number :	CANUTEC : +1-613-996-6666 or *666 (cell phone) 24/7

Section 2. Hazard identification

Hazard classification of substance or mixture :	FLAMMABLE LIQUIDS – Category 2 SKIN IRRITATION – Category 2 EYE DAMAGE – Category 1 SENSITIZATION – SKIN – Category 1 REPRODUCTIVE TOXICITY – Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) – Category 1 ASPIRATION HAZARD – Category 1
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Label elements

Symbol :



Signal word :

Danger

Hazard statement(s) :

Highly flammable liquid and vapour. Causes skin irritation and serious eye damage. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. May cause damage to organs (optic nerve and central nervous system). May be fatal if swallowed and enters airways.

Precautionary statement(s)

Prevention :

Keep away from heat, sparks, open flames, hot surfaces. No smoking. Keep container tightly closed. Wear protective gloves and eye protection. Wash hand thoroughly after handling. Do not breathe vapours or spray. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Response :

IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash it before reuse. Wash skin with plenty of water. If skin irritation or rash occurs: Get medical advice. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or a doctor. IF SWALLOWED: Immediately call a POISON CENTER or a doctor. Do NOT induce vomiting. IF exposed or concerned: Get medical advice. In case of fire: Use carbon dioxide or dry chemical to extinguish.

Storage :

Store locked up in a well-ventilated place. Keep cool.

Disposal :

Dispose of contents and container in accordance with local regulations.

Section 3. Composition/information on ingredients

Substance/material : Mixture

Chemical name	Common name	% (w/w)	CAS number
Combined fragrance		60 – 100	Not applicable
Ethyl Alcohol	Ethanol	5 – 10	64-17-5
Methyl Alcohol	Methanol	0,5 – 1,5	67-56-1

The actual concentration or concentration range is withheld as a trade secret.

Based on current knowledge of the supplier and in the concentrations applicable, no other ingredients present are classified as hazardous to health or the environment, therefore would require reporting in this section.

Occupational exposure limits, where available, are listed in section 8.

Section 4. First-aid measures

First-aid measures by route of exposure :

- Eye contact :** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or a doctor.
- Inhalation :** Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER if you feel unwell.
- Skin contact :** Take off immediately all contaminated clothing and wash it before reuse. Wash skin with plenty of water. If skin irritation or rash occurs: Get medical advice.
- Ingestion :** Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Rinse mouth with water. Drink water to dilute material in stomach. Immediately call a POISON CENTER or a doctor.

Most important symptoms and effects (acute or delayed)

- Eye contact :** Causes serious eye damage. Adverse symptoms may include pain, tearing, conjunctivitis, corneal injury.
- Inhalation :** May be fatal if enters airways. Adverse symptoms may include respiratory tract irritation, dizziness, choking, coma, and death.
- Skin contact :** May cause an allergic skin reaction or skin irritation. Adverse symptoms may include: pain or irritation, dermatitis.
- Ingestion :** May be fatal if swallowed. Suspected of damaging fertility or the unborn child. May cause damage to organs (optic nerve and central nervous system). Adverse symptoms may include gastrointestinal irritation, nausea, vomiting, diarrhea, coma, blindness, and death.

Immediate medical attention and special treatment, if necessary

- Note to physician :** Symptomatic treatment required. Contact the poison treatment specialist immediately if large amounts have been ingested or inhaled.
- Specific treatments :** No special treatment.
- Protection of first responders :** See section 8.

See toxicological information (section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media :** CO₂, dry chemicals.
- Unsuitable extinguishing media :** Do not use water jet to fight fire.

Specific hazard arising from the hazardous product :

- Hazardous combustion products :** Flammable. In large quantities, vapors can form an explosive mixture with air. Vapors are heavier than air and may travel to a source of ignition. Decomposition products may include and are not limited to the following: carbon oxides.
- Precautions for fire-fighters :** No special measures are required.
- Protective equipment for fire-fighters :** It is important that firefighters wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a positive pressure face shield.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures :

Use appropriate personal protective equipment : respiratory protection, protective clothing, gloves and eye protection (see Section 8)

Methods and materials for containment and cleaning up :

Contain spill for neutralization, in order to prevent environmental contamination. Flammable liquid, eliminate sources of heat. Keep away from sewers or waterways. The small quantities must be removed, wiped and used, when it's possible. For general purpose cleaning, or drain in the sanitary sewers if the municipal and provincial regulations permit it. Recover the abundant quantities with vermiculite, clay or all other absorbent, and eliminate as industrial waste. If the product flowed in the nature inform the municipal, provincial and federal authorities as required by law.

Section 7. Handling and storage

Precautions for safe handling

Protective measures :

Put on appropriate personal protective equipment (see Section 8).

Advice on general hygiene at work :

Refer to Section 8 for information on hygiene measures.

Conditions for safe storage (including incompatible materials) :

Keep out of the reach of children. Store in a cool and well-ventilated area. Keep the container tightly closed. Keep away from heat, sparks, flames, strong oxidizing agents.

Section 8. Exposure controls/Personal protection

Control parameters

Occupational exposure limits :

Name of product or ingredient	Exposure limits - ACGIH	Exposure limits - OSHA	Immediately dangerous to life or health - IDLH
Ethyl alcohol	1000 ppm - TWA	1000 ppm - VTWA	3300 ppm
Methyl alcohol	200 ppm – TWA 250 ppm - STEL	200 ppm – TWA 250 ppm - STEL	6000 ppm

Appropriate engineering controls :

Not required under normal use conditions.

Individual protection measures

Hygiene measures :

Observe good personal hygiene measure.

Eye / face protection :

None required in normal use.

Skin protection :

Hand protection :

None required in normal use.

Body protection :

None required in normal use.

Other skin protection :

None required in normal use.

Respiratory protection :

None required in normal use.

Section 9. Physical and chemical properties

Appearance :

Amber liquid

Odour :

Perfumed

Odour threshold :

Not available

pH :

Not available

Melting point/Freezing point :

Not available

Initial boiling point :

Not available

Flash point :

Closed cup : 51°C (123.8°F) (Fragrance compound)

Evaporation rate :

Not available

Flammability (solids and gases) :

Not applicable

Lower and upper flammability/explosive limit :

Not available

Vapour pressure :

Not available

Vapour density :

Not available

Relative density : 0,94 ± 0,01g/ml
 Solubility : Not available
 Partition coefficient n-octanol/water : Not available
 Auto-ignition temperature : Not available
 Decomposition temperature : Not available
 Viscosity : Not available

Section 10. Stability and reactivity

Reactivity : No specific test data to the reactivity available for this product or its ingredients.
Chemical stability : The product is stable.
Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid : No specific data.
Incompatible materials : Reactive or incompatible with the following materials: strong oxidizing agents, strong reducing agents and strong bases.
Hazardous decomposition products : If heated to decomposition, releases carbon oxides.

Section 11. Toxicological information

Information on toxicological effects

Route of exposure : Skin contact, eye contact, inhalation, ingestion.
Toxicological data :

Name of product or ingredient	Result	Species	Dosage	Exposure	Observation
Combined fragrance	LD50 Oral	Rat	>3100 mg/kg	-	-
	LD50 Dermal	Rabbit	>2600 mg/kg	-	-
Ethyl alcohol	LD50 Oral	Rat	7060 mg/kg	-	-
	LD50 Dermal	Rabbit	20000 mg/kg	-	-
	LC50 Inhalation	Rat	31623 ppm	4 hours	-
Methyl alcohol	LD50 Oral	Rat	5628 mg/kg	-	-
	LD50 Dermal	Rabbit	20000 mg/kg	-	-
	LC50 Inhalation	Rat	64000 ppm	4 hours	-

Eye contact : Causes serious eye damage. Adverse symptoms may include pain, tearing, conjunctivitis, corneal injury.
Inhalation : May be fatal if enters airways. Adverse symptoms may include respiratory tract irritation, dizziness, choking, coma, and death.
Skin contact : May cause an allergic skin reaction or skin irritation. Adverse symptoms may include: pain or irritation, dermatitis.
Ingestion : May be fatal if swallowed. Suspected of damaging fertility or the unborn child. May cause damage to organs (optic nerve and central nervous system). Adverse symptoms may include gastrointestinal irritation, nausea, vomiting, diarrhea, coma, blindness, and death.
Sensitization : May cause an allergic skin reaction.
Mutagenicity : Methyl alcohol has produced mutagenic effects (somatic cells) in experimental animals.
Carcinogenicity : To date, the RSST, IARC, ACGIH and NTP have not published any evaluation of the carcinogenicity of methyl alcohol.
Toxicity to reproduction : Ethyl alcohol crosses the placenta in humans and can cause birth defects and other adverse effects on pregnancy. The risk of effects occurring depends on the duration and level of exposure. Methyl alcohol has an embryonic and / or foetotoxic effect in animals. Methyl alcohol crosses the placenta in animals.
Teratogenicity : Methyl alcohol has demonstrated a teratogenic effect in animals.
Systemic toxicity for some target organs – single exposure : Category 2 (ethanol: optic nerve and central nervous system)

Target organ toxicity – repeated exposure :

Long-term exposure to methanol has been associated with headaches, dizziness, conjunctivitis, insomnia and blurred vision. Chronic oral exposure to ethanol can lead to the development of progressive liver injury with fibrosis.

Numerical value of toxicity

Acute toxicity estimates

Route of exposure	ATE value
Orale	>3000 mg/kg
Dermal	>2000 mg/kg

Section 12. Ecological information

Ecotoxicity :	Not available
Persistence and degradability :	Not available
Bioaccumulative potential :	Not available
Mobility in soil :	Not available
Other adverse effects :	Not available

Section 13. Disposal considerations

Disposal considerations :	It is important to minimize or avoid generation of waste wherever possible. Dispose of contents and container in accordance with all applicable local, state, and national regulations.
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Section 14. Transport information

UN number :	Not applicable
UN proper shipping name :	Not applicable
Packing group :	Not applicable
Environmental hazards :	Not applicable
Special precautions :	<u>Transport with local users:</u> Always transport in containers that are correct and secure. Ensure that persons transporting the product know what to do in case of accident or spillage.

Section 15. Regulatory information

The product classification and SDS were developed in accordance with the HPR.

Section 16. Other information

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<u>Edition :</u>	01
<u>Prepared by :</u>	The research and development department of Produits Sanitaires Lépine inc.
<u>Legend of abbreviations :</u>	<p>ATE = Acute toxicity estimate SDS = Safety Data Sheet UN = United Nations HPR = Hazardous Products Regulations GHS = Globally Harmonized System of Classification and Labelling of Chemicals TDG : Transportation of Dangerous Goods CAS : Chemical Abstract Services LC : Lethal Concentration LD : Lethal Dose EC : Effective Concentration</p>

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