

Section 1. Identification

Product identifier : LAV-I-TRE SP

Other means of identification : Codes : 71009

Recommended use and restrictions on use : Glass cleaner ready to use

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 3

Label elements

Symbol :



Signal word : Warning

Hazard statement(s) : Flammable liquid and vapour.

Precautionary statement(s)

Prevention : Keep away from heat, sparks, open flames and hot surfaces. No smoking. Keep container tightly closed. Wear protective gloves and eye protection.

Response : IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. In case of fire: Use carbon dioxide or dry chemical to extinguish.

Storage : Not applicable

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
Isopropyl alcohol	IPA	3 – 7	67-63-0

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. If eye irritation occurs: Get medical advice.
- 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. Wash skin with plenty of water. If skin irritation 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. Consult a doctor or poison center.

Most important symptoms and effects (acute or delayed)

- Eye contact :** May cause eye irritation. Adverse symptoms may include pain, tearing, and conjunctivitis.
- Inhalation :** May cause drowsiness or dizziness. Adverse symptoms may include respiratory tract irritation, dizziness, choking.
- Skin contact :** May cause skin irritation. Adverse symptoms may include: pain or irritation, dermatitis.
- Ingestion :** May cause intestinal disturbances, drowsiness or dizziness. Adverse symptoms may include gastrointestinal irritation, nausea, vomiting.

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, water spray, dry chemicals.
- Unsuitable extinguishing media :** Do not use water jet to fight fire.
- Specific hazard arising from the hazardous product :** 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.
- Hazardous combustion products :** 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) :	Store in accordance with local regulations.

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
Isopropyl alcohol	200 ppm - TWA 400 ppm - STEL	200 ppm - TWA	2000 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. If there are splash risks, wear protective glasses.
Skin protection :	
Hand protection :	Wear chemical resistant gloves.
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 :	Pinkish liquid
Odour :	Pleasant
Odour threshold :	Not available
pH :	10,0 ± 0,5
Melting point/Freezing point :	Not available
Initial boiling point :	Not available
Flash point :	Close cup : 50°C (122°F)
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 :	0,99 ± 0,01g/ml
Solubility :	Easily soluble in the following materials : cold and hot water
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 :	No specific data
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
Isopropyl Alcohol	LD50 Oral	Rat	5045 mg/kg	-	-
	LD50 Dermal	Rabbit	12 800 mg/kg	-	-
	LC50 Inhalation	Rat	30,1 mg/L	4 hours	-

Eye contact :	May cause eye irritation. Adverse symptoms may include pain, tearing, and conjunctivitis.
Inhalation :	May cause drowsiness or dizziness. Adverse symptoms may include respiratory tract irritation, dizziness, choking.
Skin contact :	May cause skin irritation. Adverse symptoms may include: pain or irritation, dermatitis.
Ingestion :	May cause intestinal disturbances, drowsiness or dizziness. Adverse symptoms may include gastrointestinal irritation, nausea, vomiting.
Sensitization :	No data available
Mutagenicity :	No data available
Carcinogenicity :	No data available
Toxicity to reproduction :	No data available
Teratogenicity :	No data available
Systemic toxicity for some target organs – single exposure :	No data available
Target organ toxicity – repeated exposure :	No data available

Numerical value of toxicity

Acute toxicity estimates

Route of exposure	ATE value
Orale	>5000 mg/kg
Dermal	>5000 mg/kg
Inhalation	>1000 mg/L

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.

Section 14. Transport information

UN number : Not applicable
UN proper shipping name : Not applicable
Packing group : Not applicable
Environmental hazards : Not applicable
Special precautions : Transport with local users: 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

Procedure used to prepare the classification

Classification	Justification
FLAMMABLE LIQUIDS – Category 3	Test result

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Legend of abbreviations :
 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

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