



LAVO
11900 Boul. Saint-Jean Baptiste
Montréal, QC, H1C 2J3
CANADA
1-800-361-6898

PRODUCT: HERTEL All Purpose Cleaner, Jasmine Lavender

CODE: HEF10-0076

SECTION 01: IDENTIFICATION

Product identification..... HERTEL All Purpose Cleaner, Jasmine Lavender
 Product code..... HE F10-0076
 PRODUCT USE..... Cleaner for hard non porous surfaces. All purpose cleaner. Domestic use.
 CHEMICAL FAMILY..... Mixture.
 Manufacturer by..... LAVO
 11900 Boul. Saint-Jean-Baptiste
 Montréal, QC, H1C 2J3
 CANADA
 1-800-361-6898
 24 HOUR EMERGENCY NUMBER:..... CANUTEC 24-Hour Number: 613-996-6666.

SECTION 02: HAZARD IDENTIFICATION



Signal word..... WARNING.
 Hazard classification..... Skin Corrosion/Irritation Category 4. Eye Irritation Category 4. Acute aquatic toxicity Category 3. Acute Toxicity (Oral) — Category 4.
 Hazard statements..... H302 Harmful if swallowed. H320 Causes eye irritation. H332 Harmful if inhaled. H312 Harmful in contact with skin. H402 Harmful to aquatic life.
 Precautionary statements..... P262 Do not get in eyes, on skin, or on clothing. P270 Do not eat, drink or smoke when using this product. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301+P310: IN CAS OF SWALLOWED: Call IMMEDIATELY a POISON CENTER or physician. P330 Rinse mouth. P331: Do not induce vomiting. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P311: Call a poison center or physician. P302+P350: IN CAS OF CONTACT WITH SKIN: Gently wash with plenty water. P362+P364 Take off contaminated clothing and wash before reuse. P332+P313 If skin irritation occurs: Get medical advice/attention. P304+P341: IN CAS OF INHALATION: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P501 Dispose of contents/container to an approved waste disposal plant.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Ethanol	64-17-5	0.1-1.0
ALkyl Poly Glycoside C8-C10	68515-73-1	0.1-1.0
Lauryl Glycoside	110615-47-9	0.1-1.0
Methanol	67-56-1	0.1-0.5
Oxirane, methyl-, polymer with oxirane, monodecyl ether	37251-67-5	0.1-1.0
Perfume		<0.2
1,2-Benzyl-3(2H)isothiazolinone	2634-33-5	<0.01
2-Methyl-3(2H)-isothiazolinone	2682-20-4	<0.01
5-Chloro-2-methyl-3(2H)-isothiazolinone	26172-55-4	<0.01

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SECTION 04: FIRST-AID MEASURES

ROUTES OF EXPOSURE.....	Eye, Skin, Ingestion and Inhalation.
Eye contact.....	Immediately hold eyelids open and flush with water for at least 15 minutes. Check for and remove any contact lenses if easy to do. Consult a physician.
Skin contact.....	Wash affected area with large amount of water. Obtain medical attention if irritation develops or persists.
Inhalation.....	Seek immediate medical help for overexposure. If symptoms develop move victim to fresh air.
Ingestion.....	Call IMMEDIATELY a poison centre or a doctor. Do not induce vomiting or give anything by mouth to an unconscious person. Rinse out mouth with water.
Acute symptoms/Effects	
Eyes:.....	May irritate eyes.
Ingestion:.....	May be harmful if swallowed.
Inhalation:.....	May cause respiratory tract irritation.
Skin:.....	May irritate skin.
Delayed symptoms/Effects.....	Prolonged or repeated contact may cause drying, cracking and de-fatting of the skin.
General advice.....	Consult a physician. Show this safety data sheet to the doctor.

SECTION 05: FIRE-FIGHTING MEASURES

CONDITIONS OF FLAMMABILITY.....	Non-flammable substance. Non-combustible substance.
Suitable extinguishing media.....	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media.....	None known.
Special protective actions for fire-fighters.	Firefighter should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.
Specific hazards arising from the chemical	May include and are not limited to: Oxides of carbon.
EXPLOSION HAZARDS:	
Sensitivity to static discharge:.....	No data available.
Sensitivity to mechanical impact:	No data available.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions.....	Restrict access to area until completion of clean up. Evacuate personnel to safe areas. All persons dealing with clean up should wear the appropriate protective equipment including self-contained breathing apparatus. Use personnel protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.
Environmental precautions.....	Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply. Prevent further leakage or spillage if safe to do.
Methods and materials for containment and cleaning	Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal. Flush with water. Do not flush into surface water or sanitary sewer system. Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required. Stop leak if you can do so without risk.

SECTION 07: HANDLING AND STORAGE

Precaution for safe handling.....	Use good industrial hygiene practices in handling this material. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling. Keep container tightly closed.
Condition for safe storage.....	Keep out of reach of children. Store in a cool, dry and well-ventilated area. Do not store near acids.
Storage temperature.....	<30°C.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
Ethanol	1000ppm	1000ppm	Not available	Not available	1000ppm	
Alkyl Poly Glycoside C8-C10	Not available	Not available	Not available	Not available	Not available	Not available
Lauryl Glycoside	Not available	Not available	Not available	Not available	Not available	Not available
Methanol	200ppm	250ppm	200ppm	250ppm	Not available	Not available

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SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	OSHA PEL STEL	REL	NIOSH
Oxirane, methyl-, polymer with oxirane, monodecyl ether	Not available	Not available	Not available	Not available	Not available
1,2-Benzyl-3(2H)Isothiazolinone	No information available	No information available	No information available	No information available	No information available
2-Methyl-3(2H)-isothiazolinone	No information available	No information available	No information available	No information available	No information available
5-Chloro-2-methyl-3(2H)-isothiazolinone	No information available	No information available	No information available	No information available	No information available
ACGIH TLV:.....	American Conference of Governmental Industrial Hygienists - Threshold Limit Value.				
OSHA PEL:.....	Occupational Safety and Health Administration - Permissible Exposure Limits.				
NIOSH IDLH:.....	Immediately Dangerous to Life or Health.				
Appropriate engineering controls.....	General ventilation.				
General hygiene considerations.....	Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink, smoke or use cosmetics while working with this product. Wash hands before breaks and immediately after handling the product.				
Personnal protection equipment (PPE).....	As required by employer. Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workspace.				
Eye / Face protection:.....	Wear safety glasses with side shields or goggles.				
Skin protection:.....	Wear protective gloves. Gloves must be inspected prior to use.				
Respiratory protection:.....	Use appropriate respiratory protection if there is the potential to exceed the exposure limit(s). Use a full face respirator with multi-purpose combination or Wear self contained breathing apparatus.				

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance, physical state.....	Translucent. Clear liquid.
Colour.....	Purple.
Odour.....	Characteristic odour.
Odour threshold (ppm).....	No information available.
pH.....	7.0 - 8.5.
Density.....	1.00-1.02.
% SOLID.....	2.0-3.0.
Melting point / Freezing point (°C).....	Not available.
Boiling point (°C).....	Not available.
Flash point (°C).....	Not applicable.
Evaporation rate.....	Not available.
FLAMMABILITY (SOLIDS & GASES).....	Not applicable.
Upper/Lower Flammability or explosive ... limits	Not available.
Vapour pressure (mmHg).....	No information available.
Relative Vapour Density (AIR=1).....	Not available.
Solubility in water (%w/w).....	Soluble in water.
Partage coefficient n-octanol/water (log)...	Not available.
Auto ignition temperature (°C).....	Not available.
Decomposition temperature.....	Not available.
Refractive Index.....	2.0-3.0.
Viscosity.....	No information available.

SECTION 10: STABILITY AND REACTIVITY

Chemical stability.....	Stable under the recommended storage and handling conditions prescribed.
Reactivity.....	None known.
Possibility of hazardous reactions.....	Hazardous polymerization cannot occur.
Conditions to avoid.....	Do not mix with other chemicals.
Incompatible materials.....	Acids.
Hazardous decomposition products.....	May include and are not limited to: Oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

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INGREDIENTS	LC50	LD50
Ethanol	Inh 4hrs 31623ppm Rat;	Oral 7000mg/kg Rat; Dermal 20000mg/kg Rabbit;
ALkyl Poly Glycoside C8-C10	Inhalation ATE vapor >20mg/kg;	Oral Rat > 5000mg/kg; Dermal Rabbit >5000mg/kg;
Lauryl Glycoside	Not available	Oral, Rat >2000mg/kg; Dermal, Rabbit >2000mg/kg
Methanol	Inh 4hrs Rat 64mg/L; Inh 8hrs Rat 32mg/L;	Oral Rat >5000mg/kg; Dermal Rabbit >15800mg/kg;
Oxirane, methyl-, polymer with oxirane, monodecyl ether	Not available	Oral Rat >5000mg/kg;
1,2-Benzyl-3(2H)isothiazolinone	Inh 4 hrs Rat 5.71mg/L	Oral Rat 1020 mg/kg; Dermal Rat >2000mg/kg;
2-Methyl-3(2H)-isothiazolinone	No information available	Oral Rat 4467mg/kg; Dermal Rabbit >5000mg/kg;
5-Chloro-2-methyl-3(2H)-isothiazolinone	Inh 4hrs 0.11mg/L	Oral Rat 3310mg/kg;t; Dermal Rabbit >5000mg/kg;t

Information on the likely routes of exposure Eyes, skin, respiratory system and digestive system.

Potentiel effects on humans

Eye contact.....	May cause eye irritation.
Skin contact.....	May cause skin irritation.
Inhalation.....	May cause respiratory irritation.
Ingestion.....	May cause stomach distress, nausea or vomiting.
Chronic effects on humans.....	Prolonged or repeated contact may cause contact drying, de fatting and dermatitis.
Sensitization.....	Not available.
This mixture contains:.....	Perfume: 0.0-0.2%. CAS:26172-55-4CIT:5-chloro-2-methyl-2H-isothiazol-3-one<0.01%;. CAS:2682-20-4MIT:2-methyl-2H-isothiazol-3-one<0.01%;. CAS:2634-33-5 BIT:1,2-Benzyl-3(2H)-isothiazolone <0.01%;.
Target organs.....	Not available.
Carcinogenicity.....	No evidence of carcinogenic effects.
Carcinogen classification code	
American Conference of Governmental ... Industrial Hygienists, ACGIH	A4 - Not classifiable as a human carcinogen.
CAS:64-17-5 Ethanol.....	Ethanol: US ACGIH confirmed animal carcinogen with unknown relevance to humans.
International Agency for Research on Cancer, IARC	3 - Group 3:Not classifiable as to its carcinogenicity to humans.
Mutagenicity.....	Not available.
Reproductive toxicity.....	Not available.
Teratogenicity.....	Not available.
Specific target organs toxicity - Single exposure	Not available.
Specific target organs toxicity - Repeated exposure	Not available.
Aspiration hazard.....	Not available.
Symptoms related to the physical, chemical and toxicological characteristics	Prolonged or repeated contact may cause drying, cracking and defatting of the skin.
Interactive effects.....	Not available.

SECTION 12: ECOLOGICAL INFORMATION

Mobility in soil.....	Not available.
Persistence and degradability.....	Expected to be biodegradable.
Bioaccumulation potency.....	Not available.
Other adverse effects.....	Very toxic to aquatic life with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods.....	The disposal of the product must be made in an approved sanitary landfill or in a foundry in accordance with state, provincial and/or federal regulations.
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SECTION 14: TRANSPORT INFORMATION

Domestic Substances list, DSL.....	All components of this product are either on the Domestic Substances List, the Non Domestic Substances List or exempt.
TDG Classification.....	Not regulated.
DOT US: Department of Transport US.....	Not regulated.

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SECTION 14: TRANSPORT INFORMATION

IMDG: International Maritime Dangerous Goods . Not regulated.
 IATA: International Air Transportation Association Not regulated.

SECTION 15: REGULATORY INFORMATION

WHMIS Classification..... This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and this document contains all the information required by the Controlled Products Regulations.

SECTION 16: OTHER INFORMATION

NTU..... F10-0100.
 Disclaimer:..... The information in the Safety Data Sheet is offered for your consideration and guidance when exposed to this product. LAVO expressly disclaims all expressed or implied warranties for the accuracy or completeness of the data contained herein and assumes no responsibilities for any involved damages by above data. Product's users have to do their own tests to establish the applicability of the information for a specific use of the product. SDS data does not apply to use with any other product or in any other process.

Prepared by: Regulatory Affairs
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