



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

**PRODUCT: HERTEL All Purpose Disinfectant Lemon Verbena**

**CODE: HEF10-0075**

### SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:..... HERTEL All Purpose Disinfectant Lemon Verbena  
 PRODUCT CODE(S)..... HE F10-0075  
 RECOMMENDED USE:..... Disinfectant of hard surfaces non porous. All purpose cleaner. Domestic use.  
 CHEMICAL FAMILY..... Mixture.  
 MANUFACTURING NAME AND ADDRESS 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.  
 GHS CLASSIFICATION:..... Skin Corrosion/Irritation Category 3. Eye Irritation Category 3. Acute aquatic toxicity Category 3. Acute Toxicity (Oral) — Category 3.  
 HAZARD STATEMENTS..... H320 Causes eye irritation. H312 Harmful in contact with skin. H302 Harmful if swallowed. 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. P281 Use personal protective equipment as required. P273 Avoid release to the environment. P264 Wash thoroughly after handling. P305+P351+P338: IN CAS OF CONTACT WITH 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. P301+P310: IN CAS OF SWALLOWED: Call IMMEDIATELY a POISON CENTER or physician. P330 Rinse mouth. P331: Do not induce vomiting. P302+P352 IF ON SKIN: Wash with plenty water. P333+P313: If skin irritation or rash occurs: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash before reuse. 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+P235 Store in a well-ventilated place. Keep cool. 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
Alkyl Poly Glycosides C10-C16	11615-47-9	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
Dimethylbenzyl ammonium chloride	68424-85-1	0.08
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. Call a poison center or physician.
SKIN CONTACT.....	Wash affected area with large amount of water. Obtains medical attention if irritation develops or persists.
INHALATION.....	Seek medical attention. 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.
SUITABLE EXTINGUISHING MEDIA.....	Use fire-extinguishing media appropriate for surrounding materials.
UNSUITABLE EXTINGUISHING MEDIA..	None known.
SPECIAL PROTECTIVE EQUIPMENT ....	Firefighter should wear proper protective equipment and self contained breathing apparatus with full face piece operated in positive pressure mode.
AND PRECAUTIONS FOR FIREFIGHTERS	
HAZARDOUS COMBUSTION PRODUCTS	May include and are not limited to: Oxides of carbon.
EXPLOSION HAZARDS:	
Sensitivity to static discharge:.....	No information available.
Sensitivity to mechanical impact:	No information available.

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

PERSONNAL PRECAUTIONS:.....	Restrict access to area until completion of clean up. Evacuate personnel to safe areas. Ensure clean up is conducted by trained personnel only. Do not touch and walk through spilled material. All persons dealing with clean up should wear the appropriate protective equipment including self contained breathing apparatus. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personnel protective equipment. 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	Stop leak if you can do so without risk. 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. Small spills may be absorbed with non-reactive absorbent and placed in suitable covered, labeled containers. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

**SECTION 07: HANDLING AND STORAGE**

HANDLING PROCEDURES.....	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.
STORAGE NEEDS.....	Keep out of reach of children. Keep container tightly closed. Store in a cool, dry, well-ventilated area.
STORAGE TEMPERATURE.....	Do not freeze. <30°C.

**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
Ethanol	1000ppm	1000 ppm	No information available	No information available	1000 ppm	
Alkyl Poly Glycoside C8-C10	No information available	No information available	No information available	No information available	No information available	No information available

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**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	TWA	ACGIH TLV STEL	OSHA PEL STEL	REL	NIOSH
Alkyl Poly Glycosides C10-C16	No information available	No information available	No information available	No information available	No information available
Methanol	200ppm	250ppm	200ppm	250ppm	No information available
Oxirane, methyl-, polymer with oxirane, monodecyl ether	No information available	No information available	No information available	No information available	No information available
Dimethylbenzyl ammonium chloride	No information available	No information available	No information available	No information available	No information 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	Not 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.

ENGINEERING CONTROLS:..... General ventilation.

GENERAL HYGIENE CONSIDERATIONS: Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

PERSONAL PROTECTION EQUIPMENT: 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.

Hand 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.....	Clear liquid. Translucent.
COLOUR.....	Colored mixture.
ODOUR.....	Perfumed.
ODOUR THRESHOLD (ppm).....	No information available.
pH.....	7.0 - 8.5.
DENSITY.....	1.00-1.02.
% SOLID.....	2.0-3.0.
FREEZING POINT (°C).....	No information available.
BOILING POINT (°C).....	No information available.
FLASH POINT (°C), Method.....	No information available.
EVAPORATION RATE.....	No information available.
VAPOUR PRESSURE (mm Hg).....	No information available.
VAPOUR DENSITY (AIR=1).....	No information available.
SOLUBILITY IN WATER (% W/W).....	Soluble in water.
COEFFICIENT OF WATER/OIL DISTRIBUTION.....	No information available.
AUTO IGNITION TEMPERATURE (°C)....	No information available.
DECOMPOSITION TEMPERATURE.....	No information 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.
HAZARDOUS POLYMERIZATION.....	Hazardous polymerization cannot occur.
CONDITIONS TO AVOID.....	Do not mix with incompatible materials.
INCOMPATIBILITY.....	Acids.
HAZARDOUS PRODUCTS OF DECOMPOSITION.....	Oxides.

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## SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Ethanol	Inh 4hrs Rat 31623ppm;	Oral Rat 7000mg/kg; Dermal Rabbit 20000mg/kg;
Alkyl Poly Glycoside C8-C10	Inhalation ATE vapor >20mg/kg;	Oral Rat > 5000mg/kg; Dermal Rabbit >5000mg/kg;
Alkyl Poly Glycosides C10-C16	Inhalation ATE vapor >20mg/kg;	Oral Rat >5000mg/kg; Dermal Rabbit >5000mg/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	No information available	Oral Rat >5000mg/kg;
Dimethylbenzyl ammonium chloride	No information available	Oral Rat 50-500mg/kg; Dermal Rat >2000mg/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 3310mg/kg Rat; Dermal >5000mg/kg Rabbit
ROUTE OF EXPOSURE.....	Eyes, skin, respiratory system and digestive system.	
POTENTIAL 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, defatting and dermatitis.	
SENSITIZATION.....	Non hazardous.	
This mixture contains:.....	Perfume: <0.2%; CAS:26172-55-4 CIT: 5-chloro-2-methyl-2H-isothiazol-3-one <0.01%; CAS:2682-20-4 MIT:2-methyl-2H-isothiazol-3-one <0.01%; CAS:2634-33-5 BIT:1,2-Benzyl-3(2H)-isothiazolone <0.01%.	
TARGET ORGANS.....	No information 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.....	No information available.	
REPRODUCTIVE EFFECTS.....	No information available.	
TERATOGENICITY.....	No information available. Methanol has produced teragenic effects in mice exposed by inhalation to high concentrations that did not produce significant material toxicity.	
SPECIFIC TARGET ORGANS TOXICITY - Single exposure	No information available.	
SPECIFIC TARGET ORGANS TOXICITY - Repeated exposure	No information available.	
ASPIRATION HAZARD.....	No information available.	
SIGNS AND SYMPTOMS OF EXPOSURE	Prolonged or repeated contact may cause drying, cracking and defatting of the skin.	
SYNERGISTIC MATERIALS.....	No information available.	

## SECTION 12: ECOLOGICAL INFORMATION

MOBILITY IN SOIL.....	No information available.
BIODEGRADABILITY.....	Expected to be biodegradable.
BIOACCUMULATION.....	No information available.
OTHER ADVERSE EFFECTS	

## SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL.....	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.
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**

DTU.....	F10-0075/083/091.
DISCLAIMER:.....	The information in the Safety Data Sheet is offered for your consideration and guidance when exposed to this product. Lavo Inc. 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. MSDS data does not apply to use with any other product or in any other process.
PREPARED BY: .....	Regulatory Affairs
PREPARATION DATE.....	NOV 12/2018