



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

PRODUCT: HERTEL All Purpose Disinfectant Lemon Verbena Disc

CODE: HEF10-0075

SECTION 01: IDENTIFICATION

Product identification..... HERTEL All Purpose Disinfectant Lemon Verbena Disc
 Product code..... HE F10-0075
 Recommended use..... Disinfectant of hard surfaces non porous. All purpose cleaner. Domestic use.
 Manufacturer by..... LAVO
 11900 Boul. Saint-Jean-Baptiste
 Montréal, QC, H1C 2J3
 CANADA
 1-800-361-6898
 Business telephone..... 8AM - 4:30PM.
 24 HOUR EMERGENCY NUMBER:..... CANUTEC 24-Hour Number: 613-996-6666.

SECTION 02: HAZARD IDENTIFICATION



Hazard classification..... Eye Irritation Category 2.
 LABEL ELEMENTS:
 Signal word..... WARNING.
 Hazard statements..... H319 Causes serious eye irritation.
 Precautionary statements..... P264 Wash thoroughly after handling. 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.

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
Dimethyl benzyl ammonium chloride	68424-85-1	0.072
2-Methyl-3(2H)-isothiazolinone	2682-20-4	<0.01
1,2-Benzyl-3(2H)isothiazolinone	2634-33-5	<0.01
5-Chloro-2-methyl-3(2H)-isothiazolinone	26172-55-4	<0.01

SECTION 04: FIRST-AID MEASURES

Inhalation..... Seek medical attention. If symptoms develop move victim to fresh air.
 Skin contact..... Wash affected area with large amount of water. Obtains medical attention if irritation develops or persists.
 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.
 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
 Inhalation:..... May cause respiratory tract irritation.
 Skin:..... May irritate skin. May causes skin irritation.
 Eyes:..... Causes serious eye irritation.
 Ingestion:..... May cause stomach distress, nausea or vomiting.
 Delayed symptoms/Effects..... Prolonged or repeated contact may cause drying, cracking and defatting of the skin.
 General advice..... Consult a physician. Show this safety data sheet to the doctor.

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SECTION 05: FIRE-FIGHTING MEASURES

Suitable extinguishing media..... Use fire-extinguishing media appropriate for surrounding materials.
 Unsuitable extinguishing media..... None known.
 Specific hazards arising from the chemical May include and are not limited to: Oxides of carbon.
 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.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personnel precautions
 Protective equipment..... Use personnel protective equipment.
 Emergency procedures..... Evacuate personnel to safe areas. Ensure clean up is conducted by trained personnel only. Do not touch and walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. 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

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. Keep container tightly closed. Store in a cool, dry, well-ventilated area.
 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
Dimethyl benzyl ammonium chloride	Not available	Not available	Not available	Not available	Not available	Not available
2-Methyl-3(2H)-isothiazoli none	Not available	Not available	Not available	Not available	Not available	Not available
1,2-Benzyl-3(2H)Isothiazolinone	Not available	Not available	Not available	Not available	Not available	Not available
5-Chloro-2-methyl-3(2H)-isothiazolinone	Not available	Not available	Not available	Not available	Not available	Not 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. Eye wash station.
 Personal protection equipment (PPE)..... As required by employer.
 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:..... No special PPE required.
 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.

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SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance, physical state.....	Clear liquid.
Colour.....	Colored mixture.
Odour.....	Perfumed.
Melting point / Freezing point (°C).....	Not available.
Boiling point (°C).....	Not available.
Flammability.....	Not applicable.
Upper/Lower Flammability or explosive ... limits	Not applicable.
Flash point (°C).....	Not available.
Auto ignition temperature (°C).....	Not available.
Decomposition temperature.....	Not available.
pH.....	7.0 - 8.5.
Viscosity.....	Not available.
Solubility in water (%w/w).....	Soluble in water.
Partage coefficient n-octanol/water (log)...	Not available.
Vapour pressure (mmHg).....	Not available.
Density.....	1.00-1.02.
Relative Vapour Density (AIR=1).....	Not available.
Refractive Index.....	2.0-3.0.
VOC %.....	Not available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity.....	None known.
Chemical stability.....	Stable under the recommended storage and handling conditions prescribed.
Possibility of hazardous reactions.....	Hazardous polymerization cannot occur.
Conditions to avoid.....	None known.
Incompatible materials.....	None known.
Hazardous decomposition products.....	Oxides. None known.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Ethanol	Inh 4hrs 31623ppm Rat;	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;
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;
Dimethyl benzyl ammonium chloride	Not available	Oral Rat 50-500mg/kg; Dermal Rat >2000mg/kg;
2-Methyl-3(2H)-isothiazolinone	Not available	Oral Rat 4467mg/kg; Dermal Rabbit >5000mg/kg;
1,2-Benzyl-3(2H)Isothiazolinone	Inh 4 hrs Rat 5.71mg/L	Oral Rat 1020mg/kg; Dermal Rat >2000mg/kg;
5-Chloro-2-methyl-3(2H)-isothiazolinone	Inh 4hrs 0.11mg/L	Oral Rat 3310mg/kg; Dermal Rabbit >5000mg/kg;
Acute toxicity		
Skin corrosion/irritation.....	Non irritant.	
Serious eye damage/Irritation....	Causes severe eye damage.	
Respiratory or skin Sensitivition		
Sensitization.....	Non hazardous.	
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%;.	
Mutagenicity.....	Not available.	
Carcinogenicity.....	No evidence of carcinogenic effects.	
CAS:64-17-5 Ethanol.....	Ethanol: US ACGIH confirmed animal carcinogen with unknown relevance to humans.	
Teratogenicity.....	Not available. Methanol has produced teragenic effects in mice exposed by inhalation to high concentrations that did not produce significant material toxicity.	
Reproductive toxicity.....	Not available.	
Specific target organs toxicity - Single exposure	Not available.	

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Specific target organs toxicity - Repeated exposure Not available.
 Aspiration hazard..... Not available.
 Chronic effects on humans..... Prolonged or repeated contact may cause contact drying, de fatting and dermatitis.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity..... The product is not expected to be hazardous to the environment.
 Persistence and degradability..... Expected to be biodegradable.
 Bioaccumulation potency..... Not available.
 Mobility in soil..... Not available.
 Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods..... Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Observe all local, provincial/state and federal environmental regulations.

SECTION 14: TRANSPORT INFORMATION

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..... F10-0075/076/083/091/110.
 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. Products 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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