



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

PRODUCT: HERTEL Toilet Bowl Disinfectant, Fresch Scent

CODE: HEF11-960

SECTION 01: IDENTIFICATION

PRODUCT CODE(S)..... HE F11-960
 PRODUCT NAME..... HERTEL Toilet Bowl Disinfectant, Fresch Scent
 CHEMICAL FAMILY..... Mixture.
 RECOMMENDED USE..... Toilet bowl Disinfectant Cleaner . Domestic use.
 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..... DANGER.
 GHS CLASSIFICATION:..... Serious Eye Damage/ Eye Irritation Category 1. Skin corrosion Category 1. Acute Toxicity (Oral) — Category 2. Acute aquatic toxicity Category 1. Chronic aquatic toxicity Category 1.
 HAZARD STATEMENTS..... H318 Causes serious eye damage. H314 Causes severe skin burns and eye damage. H300 Fatal if swallowed. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.
 PRECAUTIONARY STATEMENTS..... P264 Wash thoroughly after handling. 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. 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. P310 Immediately call a POISON CENTER or doctor/physician. P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P311: Call a poison center or physician. P301+P310: IN CAS OF SWALLOWED: Call IMMEDIATELY a POISON CENTER or physician. P330 Rinse mouth. P331: Do not induce vomiting. P304+P340 IF INHALED: 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. %
Hydrochloric Acid	7647-01-0	7.5-12.5
Ethoxylated C12-16 Alcohols	68551-12-2	1.0-5.0
Sulfamic acid	5329-14-6	1.0-5.0
Sulfuric Acid	7664-93-9	0.5-1.5
Dimethylbenzyl ammonium chloride	68424-85-1	0.5-1.5
Ethanol	64-17-5	<0.5
Perfume		<0.5

SECTION 04: FIRST-AID MEASURES

ROUTES OF EXPOSURE..... Eye, Skin, Ingestion and Inhalation.
 INHALATION..... Remove victim to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get immediate medical attention. Call a poison center or physician.

PRODUCT: HERTEL Toilet Bowl Disinfectant, Fresch Scent**CODE: HEF11-960****SECTION 04: FIRST-AID MEASURES**

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..... Immediately flush skin with plenty of water for 15 minutes. Remove contaminated clothing and wash before reuse. Consult a 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

Eyes:..... Causes eye burns.

Ingestion:..... May cause severe irritation damage in the mouth, throat and stomach. Symptoms may include abdominal pain, vomiting, burns, perforations, bleeding and eventually death.

Skin:..... Causes severe burns. Causes skin irritation. Direct skin contact may cause skin burns, deep ulcerations and possibly permanent scarring.

Inhalation:..... Inhalation of high concentrations of fumes or mists may cause severe irritation and corrosive damage to the nose, throat and upper respiratory tract.

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. Use Water spray, Alcohol-resistant foam, Dry chemical or Carbon dioxide.

UNSUITABLE EXTINGUISHING MEDIA.. Do not use dry chemical extinguishing agents that contain ammonium compounds.

SPECIAL PROTECTIVE EQUIPMENT Firefighter should wear proper protective equipment and self contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. Use water to cool fire exposed containers.

AND PRECAUTIONS FOR FIREFIGHTERS

HAZARDOUS COMBUSTION PRODUCTS May include and are not limited to: Chlorine; Hydrogen chloride gas; Oxygen; Sodium dioxides.

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. 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 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.

CONTAINMENT AND CLEANING

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. Use in well ventilated areas. Do not get in eyes, on skin or on clothing. Avoid inhalation of mists/vapours/fumes. Wash thoroughly after handling. Keep container tightly closed.

STORAGE NEEDS..... Keep out of reach of children. Protect from sunlight. Keep container tightly closed. Store in a cool, dry and well ventilated area.

STORAGE TEMPERATURE..... <30°C.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
Hydrochloric Acid	5 ppm	Aucune information disponible	Aucune information disponible	Aucune information disponible		Aucune information disponible
Ethoxylated C12-16 Alcohols	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		OSHA PEL		REL	NIOSH
		STEL	STEL	PEL	STEL		
Sulfamic acid	10mg/m3 Inh particule;3mg/m3 Respirable particule	No information available	No information available	5mg/m3 Total Dust;3mg/m3 Respirable fraction	No information available	No information available	No information available
Sulfuric Acid	1 mg/m3	No information available	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	No information available	No information available
Ethanol	1000ppm	1000 ppm	1000 ppm	No information available	No information available	1000 ppm	1000 ppm

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:..... Use under well-ventilated conditions or with respiratory protection.

GENERAL HYGIENE CONSIDERATIONS: Avoid breathing vapor or mist. Avoid contact with skin, eyes and clothing. Remove soiled clothing and wash it thoroughly before reuse. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Do not eat, drink, smoke or use cosmetics while working with this 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.....	Viscous liquid.
COLOUR.....	Blue.
ODOUR.....	Acidic odour.
ODOUR THRESHOLD (ppm).....	No information available.
pH.....	< 1.0.
DENSITY.....	1.09-1.15 g/ml.
% SOLID.....	15-18.
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	No information available.
DISTRIBUTION	

SECTION 10: STABILITY AND REACTIVITYCHEMICAL STABILITY..... Stable under the recommended storage and handling conditions prescribed.
REACTIVITY..... React vigorously with acids. Reacts with amines and ammonia to form explosively unstable compounds. May develop chlorine if mixed with acidic solutions. Contact with some reactive metals may produce flammable hydrogen gas. Corrosive to metals.

HAZARDOUS POLYMERIZATION..... Hazardous polymerization cannot occur.

CONDITIONS TO AVOID..... Avoid heat and open flame. Exposure to sunlight. Do not mix with other chemicals.

INCOMPATIBILITY..... Avoid contact with the following materials: Urea, Ammonia, Amides, Amines, Nitrogen containing compounds, Combustible materials, Organic materials, Metals, Reducing materials, Hydrocarbons materials, Alcohols, Ether. Contact with Magnesium, galvanized Zinc, Tin, Chromium, Brass and Bronze generates explosive Hydrogen. Acids. Oxidizers;. Primary amines;. Ammonium salts. and Urea.

HAZARDOUS PRODUCTS OF DECOMPOSITION May include and are not limited to: Hydrogen chloride, Chlorine gas, Sodium dioxide.

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SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Hydrochloric Acid	Inhalation Rat 3124 ppm/1hr;	Oral Rat 900mg/kg; Dermal Rabbit >5000mg/kg;
Ethoxylated C12-16 Alcohols	Inh Rat >1600mg/m3;	Oral Rat >1376mg/kg; Dermal Rabbit >3000mg/kg;
Sulfamic acid	No information available	Oral Rat 3160mg/kg; Dermal Rabbit 5000mg/kg;
Sulfuric Acid	Inhalation Rat 510mg/m3;	Oral Rat 2140mg/kg;
Dimethylbenzyl ammonium chloride	No information available	Oral Rat 50-500mg/kg; Dermal Rat >2000mg/kg;
Ethanol	Inh 4hrs Rat 31623ppm;	Oral Rat 7000mg/kg; Dermal Rabbit 20000mg/kg;
ROUTE OF EXPOSURE.....	Eyes, skin, respiratory system and digestive system.	
POTENTIAL EFFECTS ON HUMANS		
Eye contact.....	Causes severe eye damage. Causes eye irritation.	
Skin contact.....	Causes skin irritation. Causes skin burns.	
Inhalation.....	Nocif if inhaled. May cause chemical burns. May cause respiratory tract irritation or chemical burns.	
Ingestion.....	May cause severe irritation and corrosive damage to mouth, throat and stomach. Ingestion will cause burns to tissue contacted. May be toxic if ingested.	
CHRONIC EFFECTS ON HUMANS.....	Safe handling of this material on a long term basis should emphasize the prevention of all contact with this material to avoid any effects from repetitive acute exposures.	
SENSITIZATION.....	No information available.	
TARGET ORGANS.....	Contains material which may cause damage to the following organs: upper respiratory tract, skin, eye, lens of cornea and stomach.	
CARCINOGENICITY.....	No evidence of carcinogenic effects.	
Carcinogen classification code		
American Conference of Governmental ... Industrial Hygienists, ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.	
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.	
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	Burning sensation, Cough, Wheezing, Laryngitis, Shortness of breath, Spasm, Inflammation and Edema of the Larynx, Inflammation and Edema of the bronchi and Pneumony edema.	
SYNERGISTIC MATERIALS.....	No information available.	

SECTION 12: ECOLOGICAL INFORMATION

MOBILITY IN SOIL.....	No information available.
BIODEGRADABILITY.....	No information available.
BIOACCUMULATION.....	No information available.
OTHER ADVERSE EFFECTS.....	Very toxic to aquatic life with long lasting 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.
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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

DCuv..... F11-960/
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..... DEC 20/2018