



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

**PRODUCT: HERTEL Bathroom Disinfectant wih Bleach**

**CODE: HEF10-0109**

### SECTION 01: IDENTIFICATION

Product identification..... HERTEL Bathroom Disinfectant wih Bleach  
 Product code..... HE F10-0109  
 Recommended use..... Disinfectant for hard non porous surfaces in the kitchen and bathroom. . Domestic use.  
 Manufacturer by..... LAVO  
 11900 Boul. Saint-Jean-Baptiste  
 Montréal, QC, H1C 2J3  
 CANADA  
 1-800-361-6898  
 Business hours..... 8:00AM - 4:30PM.  
 24 HOUR EMERGENCY NUMBER:..... CANUTEC 24-Hour Number: 613-996-6666.

### SECTION 02: HAZARD IDENTIFICATION



Hazard classification..... Eye Irritation Category 2. Skin Corrosion/Irritation Category 2. Acute Toxicity (Oral) — Category 4. Acute Toxicity (Inhalation) — Category 4.  
 Signal word..... WARNING.  
 LABEL ELEMENTS:  
 Hazard statements..... H315 Causes skin irritation. H302 Harmful if swallowed. H320 Causes eye irritation. H332 Harmful if inhaled.  
 Precautionary statements..... P262 Do not get in eyes, on skin, or on clothing. 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. P337+P313 If eye irritation persists: Get medical advice/attention. P302+P352 IF ON SKIN: 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+P340 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. P410+P403 Protect from sunlight. Store in a well-ventilated place. P501 Dispose of contents/container to an approved waste disposal plant.

### SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Sodium Hypochlorite	7681-52-9	1.0-3.0
Sodium Hydroxide	1310-73-2	0.1-1.0
Lauryl dimethylamine oxide	1643-20-5	0.1-1.0
Perfume	Mixture	<0.2

### SECTION 04: FIRST-AID MEASURES

Inhalation..... Remove victim to fresh air. If not breathing give artificial respiration or oxygen by trained personnel. Get immediate medical attention. Call a poison center or physician.  
 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 immediately with large amounts of soap and water. 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:..... May irritate eyes.

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Ingestion:..... May cause stomach distress, nausea or vomiting. Do not induce vomiting or give anything by mouth to an unconscious person.

Skin:..... May causes skin irritation.

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**

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 actions for fire-fighters. 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.

Specific hazards arising from the chemical May include and are not limited to: Chlorine; Hydrogen chloride gas; Oxygen; Sodium dioxides.

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

Personnal precautions..... All persons dealing with clean up should wear the appropriate protective equipment including self contained breathing apparatus.

Protective equipment..... Use personnel protective equipment.

Emergency procedures..... 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. 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. 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. 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.

Condition for safe storage..... 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		OSHA PEL	NIOSH
		STEL	REL		
Sodium Hypochlorite	Not available	Ceiling: 2mg/m3	2mg/m3	Not available	Not available
Sodium Hydroxide	Not available	2mg/m3	2mg/m3	Not available	Not available
Lauryl dimethylamine oxide	Not available	Not available	Not available	Not available	Not available

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

Personnal protection equipment (PPE)..... As required by employer. Complete suit protecting agains chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workspace.

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

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.  
 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.

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance, physical state..... Clear liquid. Translucent.  
 Colour..... Colourless to light yellow.  
 Odour..... Odourless to perfumed.  
 Melting point / Freezing point (°C)..... Not available.  
 Boiling point (°C)..... Not available.  
 Flammability..... Not applicable.  
 Upper/Lower Flammability or explosive ... Not applicable.  
 limits  
 Flash point (°C)..... Not applicable. Product does not sustain combustion.  
 Decomposition temperature..... Not available.  
 pH..... 12.0-13.0.  
 Viscosity..... Not available.  
 Solubility in water (%w/w)..... Soluble in cold water.  
 Partition coefficient n-octanol/water (log) ... Not available.  
 Vapour pressure (mmHg)..... < 2.3 kPa (17.5 mm Hg @ 20°C).  
 Density..... 1.03-1.06.  
 Relative Vapour Density (AIR=1)..... Heavier than air.  
 Refractive Index..... 8.0-10.0.  
 VOC %..... Not determined.

**SECTION 10: STABILITY AND REACTIVITY**

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.  
 Chemical stability..... Stable under the recommended storage and handling conditions prescribed.  
 Possibility of hazardous reactions..... Hazardous polymerization cannot occur.  
 Conditions to avoid..... Avoid heat and open flame. Exposure to sunlight. Do not mix with other chemicals.  
 Incompatible materials..... 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.  
 Hazardous decomposition products..... May include and are not limited to: Hydrogen chloride, Chlorine gas, Sodium dioxide.

**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
Sodium Hypochlorite	Inhalation Rat >10.5mg/kg;	Oral Rat: 8200mg/kg; Oral Mice: 5800mg/kg; Dermal Rat:>2000 mg/kg; Dermal Rabbit >10000mg/kg;
Sodium Hydroxide	Not available	Oral Rat 300-500mg/kg;Dermal Rabbit >2000mg/kg;
Lauryl dimethylamine oxide	Not available	Oral 2700mg/kg Mouse;
Skin corrosion/irritation.....	May cause skin irritation.	
Serious eye damage/Irritation....	May cause eye irritation.	
Respiratory or skin Sensitivation.	Harmful if inhaled. May cause respiratory irritation.	
Sensitization.....	Not available.	
This mixture contains:.....	Perfume: 0.0-0.2%.	
Mutagenicity.....	Not available.	
Carcinogenicity.....	No evidence of carcinogenic effects.	
Teratogenicity.....	Not available.	
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.  
 Symptoms related to the physical, chemical and toxicological characteristics Burning sensation, Cough, Wheezing, Laryngitis, Shortness of breath, Spasm, Inflammation and Edema of the Larynx, Inflammation and Edema of the bronchi and Pneumony edema.  
 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.

**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity data, Sodium Hypochlorite:..... Acute 96Hrs LC50 Rainbow trout: 0.030 - 0.070 mg/L.  
 Acute 48Hrs LC50 Daphnia magna:0.032 - 0.036 mg/L.  
 Ecotoxicity data, Sodium Hydroxide:..... Acute 96Hrs LC50 fish Guppy Poecilia reticulata:196 mg/L  
 Chronic 96Hrs NOEC fish Guppy Poecilia reticulata:56 mg/L.  
 Persistence and degradability..... Not available.  
 Bioaccumulation potency..... Not available.  
 Mobility in soil..... Not available.  
 Other adverse effects..... Toxic to aquatic life with long lasting 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 ..... Not regulated.  
 Association

**SECTION 15: REGULATORY INFORMATION**

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

**SECTION 16: OTHER INFORMATION**

DSdB2..... F10-0109/  
 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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