



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

PRODUCT: COMET, Tub & Tile Cleaner

CODE: COF10-0TUBS

SECTION 01: IDENTIFICATION

PRODUCT NAME:..... COMET, Tub & Tile Cleaner
 PRODUCT CODE(S)..... CO F10-0TUBS
 PRODUCT USE:..... Use to clean shower walls and doors, tub, sink, toilet, grout and tiles. Domestic usages.
 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:..... Eye Irritation Category 4. Skin Corrosion/Irritation Category 4. Harmful if swallowed, category 4. Acute aquatic toxicity Category 3.
 HAZARD STATEMENTS..... H320 Causes eye irritation. H302 Harmful if swallowed. 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. P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. 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. 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. 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. %
Citric Acid	77-92-9	0.5-1.5
2-Butoxyethanol	111-76-2	1.0-5.0
Perfume		<0.5

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. Obtains 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.

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SECTION 05: FIRE-FIGHTING MEASURES

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 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. 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. Stop leak if you can do so without risk.

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. 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. 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
Citric Acid	No information disponible 5mg/m3	No information disponible	No information disponible	No information disponible	No information disponible	No information disponible
2-Butoxyethanol	Information no available	Information no available	Information no available	Information no available	Information no available	Information no 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. Do not eat, drink, smoke or use cosmetics while working with this product. 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..... Translucent. Clear liquid.

COLOUR..... Yellowish.

ODOUR..... Characteristic odour.

ODOUR THRESHOLD (ppm)..... No information available.

pH..... 2.0-3.0.

DENSITY..... 0.9-1.1.

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SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

% SOLID.....	No data available.
FREEZING POINT (°C).....	No information available.
BOILING POINT (°C).....	No information available.
FLASH POINT (°C), Method.....	Not applicable.
EVAPORATION RATE.....	No information available.
FLAMMABILITY (SOLIDS & GASES).....	Not applicable.
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMTS	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.....	No information available.
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 other chemicals.
INCOMPATIBILITY.....	Acids.
HAZARDOUS PRODUCTS OF DECOMPOSITION	May include and are not limited to: Oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Citric Acid	No information disponible	Oral Rat 3000 mg/kg;
2-Butoxyethanol	Rat 4 hr 450 ppm	Oral Rabbit 320 mg/kg;Dermal Rabbit 100 mg/kg
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, de fatting and dermatitis.	
SENSITIZATION.....	No information available.	
This mixture may contain:.....	Perfume <0.5%;	
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.	
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	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.....	Very toxic to aquatic life with long lasting effects.

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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.

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 Not regulated.
 Association

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

COMET..... TUBS-F550321.
 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
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