



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

PRODUCT: OLD DUTCH Cleaner Bathroom, Citrus Burst

CODE: ODF10-0078

SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:..... OLD DUTCH Cleaner Bathroom, Citrus Burst
 PRODUCT CODE(S)..... OD F10-0078
 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 Inc.
 11900 Boul. Saint-Jean-Baptiste
 Montréal, QC, H1C 2J3
 CANADA
 1-800-361-6898
 24 HOUR EMERGENCY UNMBER:..... 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 Toxicity (Oral) — Category 2. 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

| HAZARDOUS INGREDIENTS | CAS # | WT. % |
|-------------------------------|------------|---------|
| Citric Acid | 77-92-9 | 1-5 |
| Glycolic acid | 79-14-1 | 1.0-5.0 |
| Alkyl Poly Glycoside C8-C10 | 68515-73-1 | 0.5-1.5 |
| Alkyl Poly Glycosides C10-C16 | 11615-47-9 | 0.5-1.0 |
| 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.

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SECTION 04: FIRST AID MEASURES

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.
 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS..... Firefighter should wear proper protective equipment and self contained breathing apparatus with full face piece operated in positive pressure mode.
 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 CONTAINMENT AND CLEANING..... 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.

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 |
| Glycolic acid | No information available | No information available | No information available | No information available | No information available | No information available |
| Alkyl Poly Glycoside C8-C10 | No information available | No information available | No information available | No information available | No information available | No information available |
| Alkyl Poly Glycosides C10-C16 | No information available | No information available | No information available | No information available | No information available | No 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. Do not eat, drink, smoke or use cosmetics while working with this product. Wash hands before breaks and immediately after handling the product. | | | | | |

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SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

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..... Colourless.

ODOUR..... Characteristic odour.

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

pH..... 3.0 - 3.5.

DENSITY..... 1.00-1.02. 1.01-1.05.

% SOLID..... 6.0-7.0.

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 No information available.

EXPLOSIVE LIMITS

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

AUTO IGNITION TEMPERATURE (°C)..... No information available.

DECOMPOSITION TEMPERATURE..... No information available.

REFRACTIVE INDEX..... 5.0-7.0. REFRACTIVE INDEX.

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 May include and are not limited to: Oxides.

DECOMPOSITION

SECTION 11: TOXICOLOGICAL INFORMATION

| INGREDIENTS | LC50 | LD50 |
|--------------------------------|--|---|
| Citric Acid | No information disponible | Oral Rat 11,700 mg/kg |
| Glycolic acid | Inh 4hrs Rat male 3.6mg/L; | Oral Rat 1950mg/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; |
| 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 contains..... | Perfume <0.5%. | |
| TARGET ORGANS..... | No information available. | |
| CARCINOGENICITY..... | No evidence of carcinogenic effects. | |
| Carcinogen classification code | | |

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SECTION 11: TOXICOLOGICAL INFORMATION

American Conference of Governmental A4 - Not classifiable as a human carcinogen.
Industrial Hygienists, ACGIH
International Agency for Research on Cancer, 3 - Group 3: Not classifiable as to its carcinogenicity to humans.
IARC

MUTAGENICITY..... No information available.
REPRODUCTIVE EFFECTS..... No information available.
TERATOGENICITY..... No information available.
SPECIFIC TARGET ORGANS TOXICITY - . No information available.
Single exposure
SPECIFIC TARGET ORGANS TOXICITY - . No information available.
Repeated exposure
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.

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 Not regulated.
Goods
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

NSDB..... F10-0078/
DISCLAIMER:..... The information in the Material 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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