



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

PRODUCT: OLD DUTCH Powder Cleanser Institutional

CODE: ODFI9-900

SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:..... OLD DUTCH Powder Cleanser Institutional
 PRODUCT CODE(S)..... OD FI9-900
 RECOMMENDED USE:..... Cleans, bleaches out stains, cuts grease and polishes. Institutional and industrial establishments.
 CHEMICAL FAMILY..... Mixture. Cleanser.
 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:..... Eye Irritation Category 3. Skin Corrosion/Irritation Category 3. Acute Toxicity (Inhalation) — Category 2. Acute Toxicity (Dermal) — Category 3. Acute aquatic toxicity Category 2.
 HAZARD STATEMENTS..... H332 Harmful if inhaled. H335 May cause respiratory irritation. H318 Causes serious eye damage. H315 Causes skin irritation. H301 Toxic if swallowed. H402 Harmful to aquatic life.
 PRECAUTIONARY STATEMENTS..... P262 Do not get in eyes, on skin, or on clothing. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301+P310: IN CAS OF SWALLOWED: Call IMMEDIATELY a POISON CENTER or physician. P331: 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. P333+P313: If skin irritation or rash occurs: Get medical advice/attention. P361+P364: Take off immediately all contaminated clothing and wash it 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. P313: Get medical advice. P402+P404: Store in a dry place in a closed container. P501: Dispose of contents/container to an approved waste disposal plant.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
Calcium Carbonate	471-34-1	80-100
Sodium Carbonate	497-19-8	7.0-13
Sodium alkyl C10-C16 benzene sulfonate	68081-81-2	1.0-5.0
Magnesium Oxide	1309-48-4	1.0-5.0
Crystalline Silica - Quartz	14808-60-7	1.0-5.0
Sodium diChloroisoCyanurate	2893-78-9	0.5-1.5
Perfume		<0.1

SECTION 04: FIRST AID MEASURES

ROUTES OF EXPOSURE..... Eye, Skin, Ingestion and Inhalation.
 INHALATION..... Inhalation may cause damage to respiratory system. Harmful if inhaled. Remove victim to fresh air. If breathing is difficult, remove to fresh air and provide oxygen. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

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SECTION 04: FIRST AID MEASURES

EYE CONTACT..... Call a poison center or physician. May cause eye damage. Immediately hold eyelids open and flush with water for at least 15 minutes.

INGESTION..... Call immediately a poison centre or a doctor. Harmful if swallowed. Rinse out mouth with water.

SKIN CONTACT..... Causes skin irritation. If skin is not damaged, wash thoroughly with water and mild soap. May cause drying or flaking of skin.

ACUTE SYMPTOMS/EFFECTS

Inhalation:..... Remove victim to fresh air. Get immediate medical attention. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing stopped, begin artificial respiration.

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

Skin:..... Remove contaminated clothing and wash before reuse. Wash affected area immediately with large amounts of soap and water. Call a poison center or physician.

DELAYED SYMPTOMS/EFFECTS..... Prolonged or repeated contact may cause drying, cracking and de fatting of the skin. Excessive inhalation of dust may cause mucous membrane and respiratory irritation and lung injury with symptoms of shortness of breath and reduced pulmonary function.

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..... All extinguishing media can be used, therefore use suitable media appropriate for the surrounding fire.

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..... None known.

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. 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..... Small spills may be absorbed with non-reactive absorbent and placed in suitable covered, labeled containers. Contact emergency services and supplier for advice. 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.

SECTION 07: HANDLING AND STORAGE

HANDLING PROCEDURES..... Avoid breathing dust. 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. Use normal precautions against bag breakage or spills of bulk material.

STORAGE NEEDS..... 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
Calcium Carbonate	15mg/m3 Total Dust;5mg/m3 Resp	No information available				

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SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	OSHA PEL STEL	REL	NIOSH
Sodium Carbonate	15mg/m3	No information available	No information available	No information available	No information available
Sodium alkyl C10-C16 benzene sulfonate	No information available				
Magnesium Oxide	10mg/m3 Inh;	No information available	15mg/m3 Total particule;	No information available	No information available
Crystalline Silica - Quartz	30mg/m3	No information available	No information available	No information available	No information available
Sodium diChloroisoCyanurate	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..... Ensure that ventilation is adequate to keep airborne concentrations below exposure limits. If exhaust ventilation is not adequate, use appropriate respiratory protection.

GENERAL HYGIENE CONSIDERATIONS:.. Do not eat, drink, smoke or use cosmetics while working with this product. Handle in accordance with good industrial hygiene and safety practice. Remove soiled clothing and wash it thoroughly before reuse. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities.

PERSONNAL PROTECTION EQUIPMENT: As required by employer. Complete suit protecting agains chemicals.
 Respiratory protection:..... Use appropriate respiratory protection if there is the potential to exceed the exposure limit(s).
 Hand protection:..... Wear protective gloves. Gloves must be inspected prior to use.
 Eye / Face protection:..... Wear safety glasses with side shields or goggles.
 Clothing/Type..... As appropriate for the work environment. Dusty clothing should be laundered before reuse.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE.....	Powder.
COLOUR.....	White to off-white.
ODOUR.....	Lemon.
ODOUR THRESHOLD (ppm).....	No information available.
pH.....	Sol 1%: 10-11.
MELTING POINT (°C).....	1200-1400.
BOILING POINT (°C).....	Not applicable.
FLASH POINT (°C), Method.....	Fully oxidized, not burn.
EVAPORATION RATE.....	Not applicable.
VAPOUR PRESSURE (mm Hg).....	Not applicable.
VAPOUR DENSITY (AIR=1).....	Not applicable.
SOLUBILITY IN WATER (% W/W).....	Partially soluble.
COEFFICIENT OF WATER\OIL	Not applicable.
DISTRIBUTION	
DENSITY.....	2.6-2.7.

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY.....	Stable under the recommended storage and handling conditions prescribed.
REACTIVITY.....	May develop chlorine if mixed with acidic solutions.
HAZARDOUS POLYMERIZATION.....	Hazardous polymerization cannot occur.
CONDITIONS TO AVOID.....	Do not mix with other chemicals.
INCOMPATIBILITY.....	Acids, oxidizers.
HAZARDOUS PRODUCTS OF	May include and are not limited to: Calcium oxide. Organic products of decomposition.
DECOMPOSITION	Carbon oxide. Nitrogen oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Calcium Carbonate	No information available	Oral Rat 6450mg/kg;
Sodium Carbonate	Inh Rat 2hrs 2300mg/m3;	Oral Rat 2800mg/kg; Dermal Mousse 2210mg/kg;

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SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Sodium alkyl C10-C16 benzene sulfonate	No information available	Oral Rat 5010mg/kg; Oral Mice 5989mg/kg; Dermal Rabbit 2000mg/kg;
Magnesium Oxide	No information available	Oral Rat > 5,000mg/kg
Crystalline Silica - Quartz	No information available	Oral Rat >8000mg/kg;
Sodium diChloroisoCyanurate	Inh Rat 4hrs 847.5mg/m3;	Oral Rat 1420mg/kg; Dermal Rabbit 2000mg/kg;
ROUTE OF EXPOSURE.....	Eyes, skin, respiratory system and digestive system.	
POTENTIAL EFFECTS ON HUMANS		
Inhalation.....	Avoid breathing dust. Breathing large amounts of dust may be harmful and chronic exposure may cause delayed lung injury.	
Eye contact.....	Causes severe eye damage. Dust may cause mechanical irritation to eyes.	
Ingestion.....	Harmful if swallowed.	
Skin contact.....	Causes skin irritation. Prolonged or repeated contact may cause irritation.	
CHRONIC EFFECTS ON HUMANS.....	Long term exposure may cause lung damage. Long term overexposure at high concentrations may produce evidence of dust in the lungs.	
SENSITIZATION.....	No information available to indicate product or components may be respiratory sensitizers.	
This mixture contains.....	Perfume: <0.1%.	
TARGET ORGANS.....	No information available.	
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.	
CAS 14808-60-7: Silice cristallin Quartz.....	1.0-5.0%. Crystalline silica-Quartz is classified as carcinogenic by IARC (group1), ACGH (group A2), NTP (group 1) and OSHA (OSHA select carcinogen).	
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.....	Overexposure to nuisance dusts may cause mucous membrane and respiratory irritation, cough, sore throat, nasal congestion, sneezing and shortness of breath. Causes skin irritation. Causes eye irritation.	
SIGNS AND SYMPTOMS OF EXPOSURE..		
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.....	Prevent run-off to sewers, streams or other bodies of water.

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.
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.

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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

PWD CR..... F09-900/.

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

PREPARATION DATE..... MAY 19/2017