SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: OLD DUTCH Cleansing Powder Institutional

RECOMMENDED USE: Cleans, bleaches out stains, cuts grease and polishes. Institutional and industrial establishments.

CHEMICAL FAMILY: Mixture. Cleanser.

MANUFACTURING NAME AND ADDRESS: LAVO
11900 Boul. Saint-Jean-Baptiste
Montréal, QC, H1C 2J3
CANADA
1-800-361-6898

SECTION 02: HAZARD IDENTIFICATION

SIGNAL WORD: WARNING


SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

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

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.
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 center 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 personal 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 center 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.

GENERAL ADVICE: Consult a physician. Show this safety data sheet to the doctor.

SECTION 05: FIRE FIGHTING MEASURES


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 précautions 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

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>TWA</th>
<th>ACGIH TLV STEL</th>
<th>NIOSH</th>
<th>OSHA PEL STEL</th>
<th>REL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate</td>
<td>15mg/m3 Total Dust; 5mg/m3 Resp</td>
<td>No information available</td>
<td>No information available</td>
<td>No information available</td>
<td>No information available</td>
</tr>
</tbody>
</table>
SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>TWA</th>
<th>ACGIH TLV</th>
<th>STEL</th>
<th>REL</th>
<th>OSHA PEL</th>
<th>STEL</th>
<th>NIOSH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Carbonate</td>
<td>15mg/m3</td>
<td>No information available</td>
<td>No information available</td>
<td>No information available</td>
<td>No information available</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Sodium alkyl C10-C16 benzene sulfonate</td>
<td>No information available</td>
<td>No information available</td>
<td>No information available</td>
<td>No information available</td>
<td>No information available</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Magnesium Oxide</td>
<td>10mg/m3 Inh;</td>
<td>No information available</td>
<td>15mg/m3 Total particule;</td>
<td>No information available</td>
<td>No information available</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Crystalline Silica - Quartz</td>
<td>30mg/m3</td>
<td>No information available</td>
<td>No information available</td>
<td>No information available</td>
<td>No information available</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Sodium dichloroisocyanurate</td>
<td>No information available</td>
<td>No information available</td>
<td>No information available</td>
<td>No information available</td>
<td>No information available</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>

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.

PERSONAL PROTECTION EQUIPMENT: As required by employer. Complete suit protecting against 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 POLMERIZATION: Hazardous polymerization cannot occur.
CONDITIONS TO AVOID: Do not mix with other chemicals.
INCOMPATIBILITY: Acids, oxidizers.
HAZARDOUS PRODUCTS OF DECOMPOSITION: May include and are not limited to: Calcium oxide. Organic products of decomposition.

SECTION 11: TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>LC50</th>
<th>LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate</td>
<td>No information available</td>
<td>Oral Rat 6450mg/kg;</td>
</tr>
<tr>
<td>Sodium Carbonate</td>
<td>Inh Rat 2hrs 2300mg/m3;</td>
<td>Oral Rat 2800mg/kg; Dermal Mousse 2210mg/kg;</td>
</tr>
</tbody>
</table>
# Section 11: Toxicological Information

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>LC50</th>
<th>LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium alkyl C10-C16 benzene sulfonate</td>
<td>No information available</td>
<td>Oral Rat 5010mg/kg; Oral Mice 5989mg/kg; Dermal Rabbit 2000mg/kg;</td>
</tr>
<tr>
<td>Magnesium Oxide</td>
<td>No information available</td>
<td>Oral Rat &gt;5,000mg/kg</td>
</tr>
<tr>
<td>Crystalline Silica - Quartz</td>
<td>No information available</td>
<td>Oral Rat &gt;8000mg/kg;</td>
</tr>
<tr>
<td>Sodium diChloroisoCyanurate</td>
<td>Inh Rat 4hrs 847.5mg/m3; Oral Rat 1420mg/kg; Dermal Rabbit 2000mg/kg;</td>
<td></td>
</tr>
</tbody>
</table>

**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 eye irritation. 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.

**Target Organs:** No information available.

**Carcinogenicity:** No evidence of carcinogenic effects.

**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:** Overexposure to nuisance dusts may cause mucous membrane and respiratory irritation, cough, sore throat, nose congestion, sneezing and shortness of breath. Causes skin irritation. Causes eye irritation.

**Synergistic Materials:** No information available.

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# 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.

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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.

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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.
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 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......................... MAR 12/2018