Safety Data Sheet

Section 1: Product and Company Identification
Product Name: 365 2x Concentrated Liquid Laundry Detergent Unscented
Product Use: Liquid Detergent for Machine washing.

Details of Manufacturer
V.I.P. Soap Products Ltd.
32859 Mission Way
Mission BC V2V 6E4
Canada
Phone: 1-604-820-8665
FAX: 1-604-820-8804
Date of Preparation: May 2018
Expires: May 2021

Emergency Phone Numbers
Canada – CANUTEC: 1-613-996-666 OR *666 Cell Phone
USA or CANADA: Call CHEMTREC: 1-800-424-9300

Section 2: Hazards Identification
Moderate skin irritant
Moderate eye irritant

Data from TOXNET

Section 3: Hazardous Ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>LD₅₀</th>
<th>LC₅₀</th>
<th>CAS #</th>
<th>Range %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laureth 7</td>
<td>&gt;2000 mg/kg</td>
<td>No Data</td>
<td>68551-12-2</td>
<td>1 - 10</td>
</tr>
<tr>
<td>Sodium Lauryl Sulfate</td>
<td>1200 mg/kg</td>
<td>No Data</td>
<td>151-21-3</td>
<td>1 - 10</td>
</tr>
<tr>
<td>Decyl Glucoside</td>
<td>&gt;2000 mg/kg</td>
<td>No Data</td>
<td>68515-73-1</td>
<td>1 - 10</td>
</tr>
<tr>
<td>Sodium Oleate</td>
<td>&gt;2000mg/kg</td>
<td>No Data</td>
<td>143-19-1</td>
<td>1 - 10</td>
</tr>
</tbody>
</table>

Section 4: First Aid Measures
Ingestion: If swallowed give plenty of clean water to drink. Do not induce vomiting. Obtain Medical Advice.
Eye Contact: In case of contact with eyes, flush with clean cool water for fifteen minutes. If discomfort continues, obtain medical attention.
Skin Contact: Wash with water and rinse well.
Inhalation: If inhaled, remove to fresh air.

Section 5: Fire Fighting Measures
Flash Point °C: None
Extinguishing Media: Water fog, foam, carbon dioxide, sand or earth may be used for small fires only.
Special Fire Fighting Procedure: None
Unusual Fire or Explosion Hazard: None
Flammable Limits: None
Auto Ignition Temperature: None
Conditions of Flammability: None
Section 6: Accidental Release Measures
Contain accidental spills and prevent access to storm water drains or surface water run-off.
Spilled material collected for re-used where feasible.
Containerize unusable material for recovery or disposal according to local or state regulations.

Section 7: Handling and Storage
Store in original containers. Keep out of reach of children and pets. Avoid contact with eyes, skin and clothing.
Wash thoroughly after handling. Avoid freezing and heat.
Follow use directions given on the label. Keep container tightly closed.

Section 8: Exposure Controls – Personal Protection
Personal Protective Equipment:
No specific personal protection is required. Prevent eye contact
Respiratory Protection: Not normally required.
Ventilation: Normal ventilation is adequate.
Protective Gloves: Not normally required.
Eye Protection: Protect eyes from contact or splashes.

Section 9: Physical and Chemical Properties
Physical State: Liquid
Odor: Scent Free
pH: 9.0 – 11.5 direct
Solubility in Water: Soluble
Flash Point: Not apply
Boiling Point: 100 °C
Lower Flammability: None
Auto- Ignition Temp: None
Viscosity @20°: 500 - 900
Partition Coefficient: >1
Appearance: Clear pale yellow
Odor Threshold: Not apply
Specific Gravity: 1.03 – 1.06 g/ml
Freezing/Melting °C: 0°C
Vapor Pressure: No Data
Evaporation Rate: Similar to water
Upper Flammability: Not apply
Decomposition temp: Not apply
Vapor Density: No Data

Section 10: Stability and Reactivity
Reactivity: Product is stable
Chemical Stability: Product is stable.
Possible Hazardous Reactions: None
Conditions to Avoid: None specific
Incompatibilities: None
Decomposition: Will not decompose under normal conditions.

Section 11: Toxicological Information
Routes of Exposure
Symptoms Summary
Acute toxicity: Eye Irritant
Laureth-7 It is concluded that this Ethoxylate is typical of the more widely used alcohol Ethoxylates with alkyl chains in the C12-18 range, being moderately acutely toxic by the oral route. By the dermal route - the relevant route of human exposure - it is not expected to produce skin irritation or systemic or reproductive toxicity at concentrations used in formulated cleaning products. PMID: 15523915 PubMed - indexed for MEDLINE; Soap, Perfumery & Cosmetics. Vol. 38, Pg. 47, 1965.
Sodium lauryl sulfate appears to be safe in formulations designed for discontinuous, brief use followed by thorough rinsing from the surface of the skin. Source: J Am Coll Toxicol Vol:2, 7 (1983) pp 127-81

Decyl Glucoside Clinical tests of products containing alkyl glucoside ingredients have found that the products were not dermal irritants or sensitizers. According to the general provisions of the Cosmetics Regulation of the European Union

Sodium Oleate the most common effects are skin, mucosal and eye irritation. Vomiting and diarrhea may occur, but are usually self-limited.Hazardous Chemical Data. Volume II. Washington, 1984-5] **PEER REVIEWED** Fatty acid salts are of low acute toxicity. Their skin and eye irritation potential is chain length dependent and decreases with increasing chain length - they are poorly absorbed through the skin nor are they skin sensitizers. http://datasheets.scbt.com/sc-215879.pdf

Skin Contact: No problems reported
Skin Absorption: Unlikely
Eye Contact: Will cause irritation or redness
Inhalation Acute: Unlikely
Inhalation Chronic: Unlikely
Ingestion: Unlikely
Irritancy: Moderate Irritation
Effects of Acute Exposure: No problems reported
Effects of Chronic Exposure: None reported
Carcinogenicity: None reported
Reproductive Toxicity: None reported
Teratogenicity: None reported
Mutagenicity: None reported
Name of Toxicological Synergistic Product: None

Section 12: Ecological Information
General Ecological information:
Laureth-7 products starting from natural source are very quickly and easily degradable with degradability over 90% according to OECD test.
Sodium lauryl sulfate is readily biodegradable under aerobic and anaerobic conditions and, therefore, does not persist in the environment.8,37,45. SLS is considered a sustainable material because of its 100% bio-based content, biodegradability, and low potential to bioaccumulation.
Decyl Glucoside Activated sludge, non-adapted, OECD Guideline 301E, readily biodegradable, 88% after 28day (DOC removal)
Sodium Oleate Several tests concerning biodegradation are available. All tests showed that fatty acids and lipids are readily biodegradable. Fatty acid toxicity increases with increasing carbon chain length. Considering this fact that soaps are almost completely removed from wastewater the exposure via drinking water is expected to be insignificant. Hera Project page 31.

Section 13: Disposal Considerations
Waste disposal of the product;
Containerize minor spills for reuse where possible.
Larger quantities are disposed of according to local and municipal regulations.

Section 14: Transport Information
General Information:
Not regulated according Canada Transport of Dangerous Goods.
Not regulated according to USA Department of Transportation.

Section 15: Regulatory Information
Inventory Status: All ingredients listed are on the Canadian Domestic Substances List and the TSCA 2008 List.

Section 16: Other Information
Preparation Data:
Prepared by Technical Advisory Service. Phone 1-604-820-8665. The information provided in this Safety Data Sheet obtained from sources believed to be reliable. V.I.P. Soap Products Ltd. provides no Warranties for the accuracy or completeness of the data contained herein. Product classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains information as required by the Controlled Products Regulations. PSCLtd