Section 1: Company and Product Identification

Product Name: Glycerin, Vegetable
INCI Name: Glycerin
Material Uses: Active ingredient in cosmetic and personal care applications.
Restrictions on Use: Repackaged for cosmetic use only

Company: Lotioncrafter LLC
48 Hope Ln
Eastsound, WA 98245
PH: 1-360-376-8008

Emergency Response: In USA, Canada and North America, 24 hour / 7 day emergency information for our product is provided by the CHEMTREC Emergency Call Center based in the USA.

USA, Canada, Puerto Rico, Virgin Islands CALL +1 800-424-9300
In case of difficulties or for ships at sea CALL +1 703-527-3887
In Europe, Middle East, Africa, Asia Pacific, South America CALL +1 703-527-3887

Section 2: Hazards Identification

Hazard Pictograms: BLANK BLANK BLANK BLANK

Signal Word: Not Applicable
Hazard Classification: This substance does not meet the criteria for a dangerous or hazardous
Hazard Category: Non-classified
Hazard Statements: Not Applicable
Precautionary Statements: Not Applicable
Other Hazards: None

Section 3: Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>Hazard Category</th>
<th>CAS#</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
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<td>56-81-5</td>
<td>100%</td>
</tr>
</tbody>
</table>

Additional Information: For full text of H-statements and R-phrases: see SECTION 16
Section 4: First Aid Measures

**Notable Exposure symptoms:**
- **Eyes:** Direct contact with eyes is likely to be irritating.
- **Skin:** Not expected under normal conditions of use.
- **Inhalation:** Not expected to present significant inhalation hazard under anticipated conditions of normal use.
- **Ingestion:** If a large quantity has been ingested, may cause nausea, vomiting and diarrhea.

**If ingested:** Remove material from mouth. Drink plenty of water. No typical symptoms and effects known. If large quantities are swallowed, immediately seek medical attention.

**If inhaled:** Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

**Eye contact:** Direct contact with eyes is likely irritating.

**Skin contact:** Not expected under normal conditions of use.

Section 5: Fire Fighting Measures

**General Info:** Flash point: 189.9°C (373.8°F). No fire hazard as this product is not flammable.

**Extinguishing Method / Equipment:** Carbon dioxide (CO2), dry chemical, foam, halon, water spray (fog). Firefighters should wear self-contained breathing apparatus (SCBA) and full protective equipment. Do not use direct or heavy water stream to fight fire as it may splash burning liquid.

**Hazardous Decomposition Info:** Combustion causes toxic fumes.

Section 6: Accidental Release Measures

**Personal precautions, protective equipment and procedures:** Use appropriate personal protection equipment (PPE). Evacuate unnecessary personnel. Equip clean-up crew with proper protection.

**Environmental Precautions:** Prevent runoff from entering drains, sewers, or streams.

**Containment Equipment and Procedures:** Non-hazardous, but avoid direct releases to the environment.

**Cleanup Procedures:** Pick up with absorbent material and collect for disposal. Refer to Section 8 for protective equipment and Section 13 for disposal considerations.
Section 7: Handling and Storage

**Safe Handling Precautions:** Handle in accordance with good industrial hygiene and safety procedures.

**Recommendations for Storage:** Avoid temperatures above 40°C (104°F). Optimum storage temperature is 24°C (75°F) or lower. Do not freeze. Avoid exposure to sunlight for prolonged periods.

**Specific End Use(s):** Active ingredient in cosmetic and personal care applications.

Section 8: Exposure Control / Personal Protection

**Control Parameters:** USA - OSHA PEL (TWA) 5 mg/m. Form: Mist

**General / Engineering Controls:** Adequate ventilation should be provided so that exposure limits are not exceeded.

**Eye/face protection:** Safety glasses or chemical goggles with side shields.

**Hand Protection:** Wear chemical resistant gloves.

**Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** No personal respiratory protective equipment normally required. In case of risk of inhalation of vapors, use suitable respiratory equipment with combination filter (type A2/P2)

**Thermal Hazards:** None required under normal conditions of use

**Other:** Observe good chemical hygiene practices, washing exposed areas of the skin several times daily. Launder contaminated clothing before re-use.

**Environmental Exposure Controls:** Non-hazardous but avoid direct releases to the environment.
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Section 9: Physical and Chemical Properties

Physical State: Liquid
Appearance: Waterlike, clear
Color: White
Odor: Characteristic
Odor Threshold: Not available
pH: Not available
Melting Point: 18°C (64.4°F)
Freezing Point: Not determined
Boiling Point: 290°C (554°F)
Flash Point: 189.9°C (373.8°F) (PMCC)
Auto-ignition Temperature: Approx. 400°C (752°F)
Decomposition Temperature: Not available
Evaporation Rate: Not available
Vapor Pressure: <0.01 mmHg @ 50°C (122°F)
Explosive Limits: Not applicable
Vapor Density: Not available
Specific Gravity: Approx. 1.26 (H20 = 1)
Water Solubility: Soluble
Viscosity (cP): 1410mPa.s at 20°C (68°F)
Explosion Properties: None
Oxidizing Properties: None
Partition coefficient: Not available

Other information: None available

Section 10: Stability and Reactivity

Reactivity: Stable at ambient temperature and under normal conditions of use.
Chemical Stability: Product is stable under normal use conditions.
Possibility of Hazardous Reactions: Hazardous polymerization does not occur.

Conditions to Avoid: Avoid temperatures exceeding 200°C (392°F)
Incompatible Materials: Contact of glycerin with strong oxidizing agents such as nitric acid or other strong acids, chromium trioxide, potassium chlorate, or potassium permanganate may cause explosion.

Hazardous Decomposition Products: Dangerous Decomposition Product - Acrolein (>280°C) (536°F)
Section 11: Toxicological Information

**Acute Toxicity:** Oral LD50 is anticipated to be >5g/kg based on testing of similar materials.

**Irritation:** Not classified

**Corrosivity:** Not classified

**Sensitization:** Not classified

**Repeated Dose Toxicity:** Not classified

**Carcinogenicity:** Not classified. Not considered a carcinogen by IARC, ACGIH, NTP and OSHA.

**Mutagenicity:** Not expected to present a germ cell mutagenicity hazard.

**Toxicity for reproduction:** Not expected to affect reproduction or development.

Section 12: Ecological Information

**Toxicity:** No ecotoxicity data available.

**Aquatic Toxicity:**
- Fish (Oncorhynchus mykiss): LC50 > 54000 mg/l, 96h
- Crustacea (Daphnia magna): EC50 > 10000 mg/l, 24h
- Algae (Scenedesmus quadricauda): EC3 > 10000 mg/l, 8d
- Cyanobacteria (Microcystis aeruginosa): EC3 > 2900 mg/l, 8 days

**Persistence and Degradability:** Readily biodegradable (OECD 301).

**Bioaccumulative Potential:** Low bioaccumulation potential, accumulation in organisms is not expected. Octanol/water partition coefficient log Kow = -1.75.

**Mobility in Soil:** low potential for absorption to soil. Glycerin will partition primarily to water.

**Results of PBT and vPvB Assessment:** This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**Other Adverse Effects:** None known
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Section 13: Disposal Information

Product disposal: Dispose of product in accordance with local, regional, and national regulations.

Container disposal: Dispose of container in accordance with licensed collector's sorting instructions.

Other considerations: No further information.

Section 14: Transport Information

<table>
<thead>
<tr>
<th></th>
<th>US DOT</th>
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<th>Sea Transport (IMDG)</th>
<th>Air Transport (ICAO/IATA)</th>
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<tr>
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<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
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<tr>
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<td>Not regulated</td>
<td>Not regulated</td>
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</tr>
<tr>
<td>Transport Hazard Class(es):</td>
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<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Packing Group:</td>
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<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Environmental Hazards:</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Special Precautions for User:</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Trasport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

Section 15: Regulatory Information

OSHA Status: This product is not hazardous under the crteteria of the Federal OSHA Hazard Standard 29 CFR 1910.1200.

CERCLA: No chemicals in this material with known CAS numbers are subject to the reporting requirements of CERCLA.

SARA Title III: Section 302 Extremely Hazardous Substances: No
Section 311/312 Hazardous Chemical: No

California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.
Section 16: Other Information

**Indication of Changes:** Version 1.1 created April 8th, 2019

**List of Relevant R-phrases**

*number and full text*: Not applicable

**Legal Disclaimer:** Since the user’s working conditions are not known to us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

Lotioncrafter provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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