Section 1: Company and Product Identification

Product Name: Licorice Root Extract

INCI Name: Glycerin (and) Water (and) Glycyrrhiza Glabra (Licorice) Root Extract

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-

Section 2: Hazards Identification

Hazard Pictograms: 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>Glycerin</td>
<td>Not classified</td>
<td>56-81-5</td>
<td>40 - 60%</td>
</tr>
<tr>
<td>Water</td>
<td>Not classified</td>
<td>7732-18-5</td>
<td>40 - 60%</td>
</tr>
<tr>
<td>Glycyrrhiza Glabra (Licorice) Root Extract</td>
<td>Not classified</td>
<td>84775-66-6</td>
<td>1.5 - 3.5%</td>
</tr>
<tr>
<td>Potassium Sorbate (Preservative)</td>
<td>H319</td>
<td>24634-61-5</td>
<td>0,2 - 0,3%</td>
</tr>
<tr>
<td>Sodium Benzoate (Preservative)</td>
<td>H315, H319</td>
<td>532-32-1</td>
<td>0,2 - 0,3%</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: None known

If ingested: If large amount swallowed or symptoms develop, seek medical attention
If inhaled: Remove victim to fresh air
Eye contact: Rinse away thoroughly with water for at least 15 minutes
Skin contact: Remove clothing contaminated with the product immediately

Section 5: Fire Fighting Measures

General Info: No special requirements needed. Direct water spray may spread fire. Isolate any uncompromised product from area if possible. Do not breath fumes.

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: None known

Section 6: Accidental Release Measures

Personal precautions, protective equipment and procedures: Do not try to clean up the leak without the proper protective equipment

Environmental Precautions: Avoid direct releases to the environment. Notify environmental authorities in case of large leaks

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 practices

Recommendations for Storage: Store protected from light and humidity in tightly closed vessels at room temperature

Specific End Use(s): Active ingredient in cosmetic and personal care applications.
Section 8: Exposure Control / Personal Protection

Control Parameters: No additional information available

General / Engineering Controls: General mechanical ventilation is acceptable

Eye/face protection: None required under normal conditions of use
Hand Protection: None required under normal conditions of use
Body Protection: None required under normal conditions of use
Respiratory Protection: None required under normal conditions of use
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.

Section 9: Physical and Chemical Properties

Physical State: Liquid
Appearance: Dark
Color: Brown
Odor: Characteristic
Odor Threshold: No data available
pH: <7.5, within the established safety limits: 2 - 11.5 (According to EC 440/2008)
Melting Point: No data available
Freezing Point: No data available
Boiling Point: No data available
Flash Point (COC): 105°C
Auto-ignition Temperature: Not available
Decomposition Temperature: Not available
Evaporation Rate: No data available
Vapor Pressure: No data available
Explosive Limits: No data available
Relative Density: >1.000
Specific Gravity: No data available
Water Solubility: Soluble
Viscosity (cP): No data available
Explosion Properties: No data available
Oxidizing Properties: No data available
Partition coefficient: Not available

Other information: None available
Section 10: Stability and Reactivity

Reactivity: No data available

Chemical Stability: Stable under usual conditions

Possibility of Hazardous Reactions: Will not occur

Conditions to Avoid: Keep sources of ignition at a distance

Incompatible Materials: No data available

Hazardous Decomposition Products: Will not occur

Section 11: Toxicological Information

Acute Toxicity: Non-toxic

Irritation: *in vitro* dermal testing of similar materials show product to be non-irritating.

Corrosivity: This is not a corrosive product.

Sensitization: No data available

Repeated Dose Toxicity: No repeated dose toxicity

Carcinogenicity: Not considered a carcinogenic product

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: Glycerin: Multiplication inhibition test in algae (Microcystis aeruginosa) and protozoa (entosiphon sulcatum): Toxicity threshold = 2900 mg/l and 3200 mg/l (HSDB no. 492, revision: 20050624). Glycerin (HDSB no. 492, revision: 20050624): LC50 goldfish > 5000 mg/l/24h

Aquatic Toxicity: No data available

Persistence and Degradability: Glycerin (HDSB no. 492, revision: 20050624): Activated sludge test: 220 mg/l resulted in a COD of 97%; Test in a 5 days: BOD = 82%. Glycerin is considered an easily degradable substance

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

Results of PBT and vPvB Assessment: No data available

Other Adverse Effects: None known
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>
<th>EU Land Transport (ADR/RID/AND)</th>
<th>Sea Transport (IMDG)</th>
<th>Air Transport (ICAO/IATA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN Number:</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>UN Proper Shipping Name:</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>Transport Hazard Class(es):</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Packing Group:</td>
<td>Not applicable</td>
<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>Transport 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

**Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:** No data available

**Chemical Safety Assessment:** No Chemical Safety Assessment has been carried out for this mixture by the supplier.
Section 16: Other Information

Indication of Changes: Version 1 created August 17th, 2017

List of Relevant R-phrases
(number and full text): H315: Causes skin irritation
H319: Causes serious eye irritation

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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