1. Product and Company Identification

Product Name: Licorice Root Pure Powder  
Chemical Name: Glycyrrhetic Acid  
INCI Name: Glycyrrhetinic Acid  
Material Uses: Industrial applications: Manufacture of cosmetics and personal care products.  
Restrictions on use: Repackaged for cosmetic use only.

Supplier: Lotioncrafter LLC  
48 Hope Ln  
Eastsound, WA 98245

Information Contact: 1-360-376-8008

Emergency telephone number  
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.

<table>
<thead>
<tr>
<th>Country information</th>
<th>Emergency telephone number</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA, Canada, Puerto Rico, Virgin Islands</td>
<td>+1 800-424-9300</td>
</tr>
<tr>
<td>In case of difficulties or for ships at sea</td>
<td>+1 703-527-3887</td>
</tr>
<tr>
<td>In Europe, Middle East, Africa, Asia Pacific And South America</td>
<td></td>
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</tbody>
</table>

2. Hazards Identification

OSHA/HCS status: This material is not considered hazardous by the OSHA Hazard Communication Standard 29 CFR 1910.1200(g)

Classification of the substance or mixture: Not classified

Signal Word: No signal word

Hazard statement: None

Pictograms: None

Precautionary statement: None

Other hazards: None

3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS#</th>
<th>EINECS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycyrrhentinic Acid</td>
<td>471-53-4</td>
<td>207-444-6</td>
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</tbody>
</table>
4. First Aid Measures

Skin Contact  Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Eye Contact  Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Ingestion  Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water. If possible drink milk afterwards. Get medical attention if symptoms appear.

Inhalation  If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if irritation occurs.

Most important symptoms/effects  No information available

Notes to Physician  Treat symptomatically

5. Fire Fighting Measures

Flammability of the Product:  Not available
Auto-Ignition Temperature:  Not available
Flash Point:  > 212F
Flammable Limits:  Not available
Products of Combustion:  These products are carbon oxides (CO, CO2)

Specific Hazards Arising from the Chemical:
Keep product and empty container away from heat and sources of ignition

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact:  Not available
Risks of explosion of the product in presence of static discharge:  Not available

Fire Fighting Media and Instructions
SMALL FIRE:  Use DRY chemical Powder
LARGE FIRE:  Use water spray, fog or foam. Do not use water Jet
Special Remarks on Fire Hazards:  Not available
Special Remarks on Explosion Hazards:  Not available

Special protective equipment for fire-fighters
As with most organic solids, fire is possible at elevated temperatures. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus *SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental Release Measures

Personal precautions  Normal precautions

Environmental precautions
Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.
SAFETY DATA SHEET
Licorice Root Pure Powder

Large Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Methods for cleaning up:
Dry Material can be swept up and put in an appropriate waste disposal.

7. Handling and Storage

Handling:
Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/vapor/spray. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Absorb with an inert material and put the spilled material in an appropriate waste disposal. Keep container tightly closed. Keep container in a cool, well-ventilated area.

8. Exposure Control / Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection: Safety glasses. Lab coat.

Personal Protection in Case of a Large Spill: Splash goggles. Full Suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

9. Physical and Chemical Properties

General Information:
Physical state: Solid, powder

Important Health, Safety and Environmental Information:
Appearance: White crystalline powder
Odor: Characteristic
Vapor Pressure: Not available
Vapor Density: Not available
Evaporation Rate: Negligible
pH Value: 6.0 – 7.5
Viscosity: Not available
Boiling Point: Not available
Freezing/Melting Point: Not available
Ionicity (in water): Not available
Decomposition Temperature: Not available
Solubility in water: Insoluble
Specific Gravity/Density: Not available
Molecular Formula C30 H46 O4
Molecular Weight 470.69

Other Information No data available
10. Stability and Reactivity

Stability: The product is stable under normal conditions.
Conditions to Avoid: Incompatible products
Incompatible Materials: Strong oxidizing agents
Special Remarks on Reactivity: None known, based on information available
Polymerization: Will not occur.

Hazardous decomposition products: Thermal decomposition can lead to release of irritating gases and vapors, Carbon monoxide, Carbon dioxide (CO₂)

Hazardous Reactions: None under normal processing

11. Toxicological Information

Acute Toxicity:
LD₅₀:
Toxicological effects
Acute toxicity (oral): Lack of data
Acute Toxicity (dermal): Lack of data
Eye Damage/Irritation: None
Skin sensitization: None
Germ cell mutagenicity/Genotoxicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Lack of data
Reproductive toxicity: Lack of data
Specific target organ toxicity (single exposure): Lack of data
Specific target organ toxicity (repeated exposure): Lack of data
Aspiration hazard: Lack of data
Other information: Not known to cause sensitization.

12. Ecological Information

Toxicity
Aquatic toxicity: Lack of data
Water Hazard Class: Lack of data

Persistence and degradability
Further details:
Biodegradability in water: Lack of data

Bioaccumulative potential
Partition coefficient n-octanol/water: Lack of data

Mobility in Soil
No data available

Results of PBT and vPvB assessment
No data available

Other adverse effects
General Information: Do not allow to enter to ground-water, surface water or drains.
13. Disposal Considerations

**Waste:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**Soiled packaging:** Non-recyclable.

14. Transport Information

**UN number:** Not applicable

**UN proper shipping name:** ADR/RID, IMDG, IATA: Not restricted

**Transport hazard class(es):** Not applicable

**Packing group:** Not applicable

**Environmental hazards:**
- Marine Pollutant – IMDG: No

**Special precautions for user:**
No dangerous goods in the sense of these transport regulations.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
No data available

15. Regulatory Information

Contents of the SDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200

EPA SARA Title III Chemical Listings:
- Section 302 Extremely Hazardous Substances: None
- Section 312 Hazard Class: Not regulated
  - Acute: N
  - Chronic: N
  - Fire: N
  - Pressure: N
  - Reactive: N
- Y – Yes    N – No

**Section 313 Toxic Chemicals:** None present or none present in regulated quantities.

16. Other Information

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.

Lotionscrapter 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. LOTIONSACRAPER MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, LOTIONSACRAPER WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.