

## Material Safety Data Sheet Dipotassium Glycyrrhizinate

according to EC Directive 1907/2006 (REACH)

### Section 1 - Identification of Substance

freely adapted by Selco from original MSDS May, 2019

- 1.1 Product Identifier:** Dipotassium Glycyrrhizinate  
**REACH Registration No.:** 01-2120810346-62-xxxx
- 1.2 Application of the substance / the preparation:** Chemicals for use in cosmetics
- 1.3 Trader:** **Selco, Wirkstoffe Vertriebs GmbH**  
 Straßburg 16  
 69483 Wald-Michelbach / Germany  
 info@gfn-selco.de Tel. +49 6207 922 80  
 www.gfn-selco.de Fax +49 6207 922 810
- Manufacturer:** located in China
- 1.4 Emergency information:** Beratungsstelle für Vergiftungserscheinungen Mainz  
 Tel. +49 6131 192 40 or 232 466  
 Fax: +49 6131 232 469  
 Selco Emergency phone number: Tel. +49 179 506 151 9

### Section 2 - Hazards Identification

- 2.1 Classification:** Not classified according to the Regulation (EC) No. 1272/2008.
- 2.2 Label elements:** Not relevant.
- 2.3 Other hazards:** None.  
 Not identified as PBT or vPvB according to the Annex XIII of the Regulation (EC) No. 1907/2006 as amended.

### Section 3 - Composition / Data on components

- 3.1. Substance:** Dipotassium Glycyrrhizinate 98 %  
**Molecular formula:**  $C_{42}H_{60}O_{16}K_2$   
**Molecular weight:** 899.142  
**CAS No.:** 68797-35-3  
**EINECS No.:** 272-296-1  
**INCI Name:** Dipotassium Glycyrrhizate
- 3.2 Mixture:** not applicable

### Section 4 - First Aid Measures

- 4.1 Description of first aid measures:**
- Contact with skin:** Wash with water and soap.
- Contact with eyes:** Rinse immediately with a lot of water. Ask an advice to a doctor.
- Ingestion:** Drink water.
- Inhalation:** Drink water.

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### Section 5 - Fire-Fighting Measures

- 5.1. Extinguishing media** This product is non-combustible.  
Water, dry fire extinguisher, water spraying-jet, alcohol-resistant foam and carbon dioxide.
- 5.2 Special hazards arising from the mixture:** Combustion products includes CO, CO<sub>2</sub>.
- 5.3 Advice for firefighters:** Wear protective clothing to prevent contact with skin and eyes.  
Wear self-contained breathing apparatus.

### Section 6 - Accidental Release Measures

- 6.1 Personal precautions:** Use personal protective equipment.
- 6.2 Environmental precautions:** no effects
- 6.3 Methods and materials for containment and cleaning up:** Limit the dispersion. Sweep up or clean with a vacuum-cleaner.  
Throw away. Take up dry. Forward for disposal. Clean up affected area. Ventilate area of leak or spill.

### Section 7 - Handling and Storage

- 7.1 Precautions for safe handling:** Wear suitable personal protective equipment. Rubber gloves and surgical mask should be used to avoid microbial contamination.  
Handle in accordance with good industrial hygiene and safety practice.
- 7.2 Conditions for safe storage, incl. any incompatibilities:** Store in well-closed containers at 10°C – 25°C at a dry and well-ventilated place. Protect from light, moisture and pest infestation.  
Protect against physical damage.
- 7.3 Specific end use:** Cosmetic ingredient.

### Section 8 - Exposure Controls / Personal Protection

- 8.1 Control parameters:** No data available.
- 8.2 Personal protective equipment:**
- Hygiene measures:** Good industrial practice. Do not drink, eat or smoke while working.
  - Eye/face protection:** Use chemical safety goggles when necessary and surgical mask to avoid microbial contamination.
  - Hand protection:** Wear laboratory gloves.
  - Skin protection:** Wear a lab coat.

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### Section 9 - Physical and Chemical Properties

#### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	white or almost white powder
<b>Odour:</b>	characteristics
<b>pH:</b>	5.0 ~ 6.0
<b>Solubility:</b>	soluble in water
<b>Dry content:</b>	>= 98.0 %
<b>Melting Point:</b>	243.0 – 244.5°C

**9.2 Other information:** No additional information available.

### Section 10 - Stability and Reactivity

<b>10.1 Reactivity:</b>	This product presents no significant reactivity hazard. It is stable and will not react violently with water. Hazardous polymerisation will not occur.
<b>10.2 Chemical stability:</b>	Stable under recommended storage conditions. Shelf life: 4 years.
<b>10.3 Possibility of hazardous reactions:</b>	No decomposition if used as directed.
<b>10.4 Conditions to avoid:</b>	none
<b>10.5 Incompatible materials:</b>	none
<b>10.6 Other decomposition products:</b>	No data available. Fertilizer to use.

### Section 11 - Toxicological Information

#### 11.1 Information on toxicological effects:

<b>Acute Toxicity:</b>	
<b>Oral (LD 50):</b>	>8100 mg/kg (mouse) (overtaken from literature)
<b>Skin irritation:</b>	not an irritant (overtaken from literature)
<b>Eye irritation:</b>	slightly irritant (overtaken from literature)
<b>Sensitisation:</b>	not a sensitising product (overtaken from literature)

After many years of experience in the production and use of the production and use of the product no effects detrimental to health are known.

### Section 12 - Ecological Information

<b>12.1 Toxicity:</b>	No negative effect.
<b>12.2 Persistence and degradability:</b>	no data available
<b>12.3 Bioaccumulative potential:</b>	no data available
<b>12.4 Mobility in soil:</b>	no data available
<b>12.5 Results of PBT and vPvB assessment:</b>	Not PBT or vPvB.
<b>12.6 Other adverse effects:</b>	none.

### Section 13 – Disposal consideration

<b>13.1 Waste treatment methods:</b>	Waste must be disposed in accordance with local, regional and national environmental regulations. Not dangerous waste.
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### Section 14 - Transport information

**Transport information:** Not classified as a dangerous good.

### Section 15 - Regulatory information

#### 15.1 Safety, health and environmental Regulations/legislation specific for the substance:

Regulation (EC) No. 1907/2006 (REACH)  
Regulation (EC) No. 1272/2008 (CLP/EU-GHS)  
Regulation (EC) No. 1223/2009 (Cosmetic Regulation)

**15.2 Chemical safety assessment:** Not classified as hazardous substance or mixture according to the CLP/EU-GHS.

### Section 16 - Other Information

**Person issuing MSDS:** Mrs. Michèle Lindner  
phone: +49 6207 922 826  
eMail: info@gfn-selco.de

#### Explanatory notes:

**INCI:** International Nomenclature of Cosmetic Ingredients  
**PBT:** persistent, bio-accumulative, toxic for reproduction  
**vPvB:** very persistent, very bio-accumulative

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