1 Identification of the substance/mixture and of the company/undertaking

- Informations to product No. 914b
- Product name:

Succus Liquiritiae plv.
- Starklakritz -

- Supplier of the Product / responsible Company:
Caesar & Loretz GmbH
Herderstr. 31
40721 Hilden
Tel.: 02103/4994-0
Fax: 02103/32360
e-mail: info@caelo.de

- Emergency telephone:
Giftinformationszentrum Mainz
Langenbeckstr. 1, 55131 Mainz
Tel.: 06131/19240

- Relevant identified uses of the substance or mixture and uses advised against:
No further relevant information available.
- Application of the substance / mixture:
Ingredient for pharmaceutical drugs or active pharmaceutical ingredient.

2 Hazards identification

- Hazard classification: The substance is not classified as dangerous according to European Union legislation.

3 Composition / information on ingredients

- Chemical characterization: Mixture of dried Glycyrrhiza juice
- Description: Mono- and disaccharides, Glycyrrhicinic acid.

CAS-No. Substance name
68916-91-6 Liquorice
- EINECS-No.: 272-837-1
- REACH Reg. No.: Exempted from the obligation to register according to Annex 4 / 5 REACH-regulation.
- INCI-Name: Glycyrrhiza Glabra Root Extract

4 First aid measures

- after skin contact: Wash away with water and soap.
- after eye contact: Rinse out with water.
5 Fire-fighting measures

- Suitable extinguishing media: All regular extinguishing media can be used. Select fire fighting measures suitable to surrounding environment.
- Specific hazards during fire fighting: Combustible. In case of fire dangerous vapours/gases can be generated: Smoke gases, small amounts of hydrogen chloride, ammonia.
- Special protective equipment for fire-fighters: Suitable protective clothes and respiratory protection.

6 Accidental release measures

- Environmental protective measures: Prevent from entering into drains.
- Methods for cleaning: Take up dry. Disposal according to Chapter 13 of this MSDS. Clean up with water.

7 Handling and storage

- Handling:
- Advice on safe handling: No special measures required.
- Informations to fire or explosion protection: Keep away from open fire. Do not smoke.
- Storage:
- Requirements for storage areas and containers: Tightly closed, cool and dry.

8 Exposure controls / personal protective equipment

Components with limit values that require monitoring at the workplace:
The product does not contain relevant quantities of substances with limit values that require monitoring at the workplace.
- Personal protective equipment:
- Hand protection: Not required.
- Eye protection: Not required.

9 Physical and chemical properties

- Form: solid
- Colour: dark brown - black
- Odour: nearly odourless.
- Melting point / melting range: not determined
- Boiling point / boiling range: not determined
- Density: Not determined.
- Solubility in / Miscibility with
- Water: soluble

10 Stability and reactivity

- Materials to avoid: Strong oxidizers
· **Hazardous reactions:** No hazardous reactions known.
· **Hazardous decomposition products:** none

**11 Toxicological information**

· **Acute toxicity:** Quantitative toxicological data for this product are not available. Food ingredient. Possible health risks after consumption of big quantities are due to the contained Glycyrrhinic acid.

**12 Ecological information**

· **Ecotoxicological effects:** Quantitative ecotoxicological data for this product are not available. Naturally occurring substance.
· **Water hazard class:** nwg (self classification): not hazardous for water.

**13 Disposal considerations**

· **Product:**
  · **Recommendation:** Disposal according to local regulations as pharmaceutical waste.
· Ungereinigte Verpackungen:
  · **Recommendation:** Disposal according to the local regulations.

**14 Transport informations**

· **Land transport according to ADR:**
  Not classified as dangerous in the meaning of transport regulations.

**15 Regulatory information**

· **Labelling according to actual legislation (GHS, Globally Harmonized System of Classification and Labelling of Chemicals):**
  The product does not need to be labelled according to GHS-regulations.
· **National regulations (Germany):**
  · **Water hazard class:** see chapter 12
  · **Storage class TRGS 510:** 11

**16 Other Information**

The information provided in this MSDS is correct to the best of our knowledge at the date of edition.

· **Reason for last revision:** Adjustment to regulation (EC) 1907/2006 (REACH) and GHS-labelling system.