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

· Informations to product No. g238
· Product name:

**Succus Liquiritiae depur. solut.**
Gereinigter verdünnter Süßholzsaft (konserviert)
Purified diluted liquorice juice solution

· 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: Liquorice juice, 50% solution in water.
**CAS-No. Substance name**
68916-91-6 Liquorice (19,25%)
· 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

**CAS-No. Substance name**
7732-18-5 Water (ca. 67,3%)
· EINECS-No.: 231-791-2
· REACH Reg. No.: Exempted from the obligation to register according to Annex 4 / 5 REACH-regulation.
· INCI-Name: Aqua
CAS-No. Substance name
24634-61-5 Potassium sorbate (0,2%) GHS07, H319
· EINECS-No.: 246-376-1
· REACH Reg. No.: 01-2119950315-41-0000
· INCI-Name: Potassium Sorbate

CAS-No. Substance name
64-17-5 Ethanol (2,75)
· EINECS-No.: 200-578-6
· REACH Reg. No.: 01-2119457610-43-0010
· INCI-Name: Alcohol

CAS-No. Substance name
50-70-4 Sorbit DL (10,5%)
· EINECS-No.: 200-061-5
· REACH Reg. No.: (pre-registered)
· INCI-Name: Sorbitol

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, but not flammable. In case of fire dangerous vapours/gases can be generated: Smoke gases.
· Additional information: Prevent fire extinguishing water from contaminating surface water, the ground water system or soil. Residues must be deposited according to local regulations.

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:** Safety glasses

9 Physical and chemical properties

- **Form:** liquid
- **Colour:** black
- **Odour:** nearly odourless
- **Melting point / melting range:** not determined
- **Boiling point / boiling range:** not determined
- **Flash point:** not determined
- **Density:** (20 °C) 1.187
- **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. Not toxic. A possible health risk after swallowing of big quantities is due to the content of glycyrrhinic acid.

12 Ecological information

- **Aquatic toxicity:** Quantitative ecotoxicological data for this product are not available. Not acute harmful for water organisms.
  - **Water hazard class:** 1 (self classification): slightly hazardous for water.

13 Disposal considerations

- **Product:**
  - **Recommendation:** Disposal according to local regulations as pharmaceutical waste.
- **Empty contaminated packaging:**
  - **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: 12
    · VbF class: -

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.