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

- Informations to product No. g238
- Product name:
  
  **Succus Liquiritiae depur. solut.**
  
  Gereinigter verdünntes Süßholzsäft (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-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 glycyrrhizinic 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.