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

- **Informations to product No. 895**
- **Product name:**

Tragacantha albiss.
 Tragant
 Tragacanth

- **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

- **Hazards identification:** The substance is not classified as dangerous according to European Union legislation.

3 Composition / information on ingredients

- **Chemical characterization:**

CAS-No. Substance name

9000-65-1 Tragant


- **EINECS-No.:** 232-552-5

- **REACH Reg. No.:** Exempted from the obligation to register according to Annex 4 / 5 REACH-regulation.

- **INCI-Name:** Astragalus Gummifer Gum

· **General information:** Tragacanth is the dried gummi exsudation from Astragalus gummifer or other Astragalus species (Fam. Leguminosae). It is mainly growing in Iran and usually collected by hand. Mixture of two polysaccharides: Bassorine (60-70%), not soluble but gel forming in water, water-soluble Tragacanthic acid (Tragantin, Tragacanthin). Bassorine is composed of L-Arabinose, D-Galactose, L-Rhamnose and the methyl ester of D-Galacturonic acid.

Tragacanthic acid is composed of Galacturonic acid in the main chain and D-Xylose, L-Fucose and D-Galactose in the branch chains. (Ullmann, Enzyklopädie der technischen Chemie, Bd 19, 254f., 4. Auflage, Verlag Chemie, Weinheim 1972-84)

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4 First aid measures

- **General advices:** No special measures required.
- **after inhalation:** Fresh air.
- **after skin contact:** Wash off with water.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open.
- **after swallowing:** (big quantities) If feeling unwell, seek medical advice.

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.
- **Special protective equipment for fire-fighters:** Suitable protective clothes and respiratory protection.

6 Accidental release measures

- **Environmental protective measures:** No special measures required.
- **Methods for cleaning:** Take up dry. Avoid generation of dusts. Disposal according to Chapter 13 of this MSDS. Clean up with water.

7 Handling and storage


- **Handling:** No special requirements.
- **Advice on safe handling:** No special measures required.
- **Informations to fire or explosion protection:** No special measures required.
- **Storage:**
- **Requirements for storage areas and containers:** Tightly closed. Store at a dry place. At room temperature (+15°C to +25°C).

8 Exposure controls / personal protective equipment

- **Personal protective equipment:**
- **Respiratory protection:** Dust protection mask.
- **Hand protection:** Not required.
- **Eye protection:** Safety glasses

9 Physical and chemical properties

- **Form:** solid (Powder)
- **Colour:** pale brown - yellow.
- **Odour:** odourless
- **Melting point / melting range:** not determined
- **Boiling point / boiling range:** not determined
- **Flash point:** not determined

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- **Density:** Bulk density: ca. 550 Kg/cbm.
- **Solubility in / Miscibility with**
- **Water:** Not soluble, forming gel.
- **pH-range:** (20 g/l) 6,5

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:**

No decomposition during appropriate use.

- **Materials to avoid:** Strong oxidizers
- **Hazardous decomposition products:** none.

11 Toxicological information

- **Acute toxicity:** Not toxic. Food ingredient, thickening agent used in the food industry.
LD50(oral,rat): 10200 mg/kg
- **Additional toxicological informations:** In case of appropriate handling and usage the product does not cause harmful effects.

12 Ecological information

- **Information about elimination (persistence and degradability):** Easily biodegradable.
- **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

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16 Other Information

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