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

- **Informations to product No. 4256**
- **Product name:**

### Guar

Cyamopsisidis seminis pulvis, Guarmehl

- **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:** Flour of the seeds of *Cyamopsis tetragonoloba*, after separation of the outer layers and germ. Main component is the oligosaccharide Guarane (E 412). It is composed of  $\beta$ -D-Mannopyranosyl-groups at 1,4-bonds. Every second group is bounded to  $\alpha$ -D-Galactopyranoseyl groups by 1,6-bonds.

### CAS-No. Substance name

9000-30-3 Guar


- **EINECS-No.:** -

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

- **INCI-Name:** Cyamopsis Tetragonoloba Gum

## 4 First aid measures

- **after skin contact:** Wash away with water and soap.
- **after eye contact:** Rinse out with water.

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## 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:** Not required.

## 9 Physical and chemical properties

- **Form:** solid
- **Colour:** white – light yellow
- **Odour:** nearly odourless
- **Melting point / melting range:** not determined
- **Boiling point / boiling range:** not determined
- **Density:** Not determined.
- **Solubility in / Miscibility with**
- **Water** soluble (swelling agent)

## 10 Stability and reactivity

- **Materials to avoid:** Strong oxidizers
- **Hazardous reactions:** No hazardous reactions known.

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- **Hazardous decomposition products:** none

## 11 Toxicological information

- **Acute toxicity:** Quantitative toxicological data for this product are not available. Food ingredient. The product is suspected to promote allergies and to cause allergies by itself. There are additional indications for cross-reactions in persons with soy-allergy. If consumed in big quantities it can cause stomach cramps and flatulence.

## 12 Ecological information

- **Aquatic toxicity:**  
Quantitative ecotoxicological data for this product are not available.  
Not acute harmful for water organisms.
- **Information about elimination (persistence and degradability):** Readily biodegradable.
- **Water hazard class:** nwg (self classification): not 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:** 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.