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

• **Informations to product No. 440c**

• **Product name:**

**Gelatine, weiß, Grießform, 160 Bloom (Ursprung: Rind)**  
Gelatina alba

• **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:** Animal proteine (denaturated or hydrolyzed Collagene), derived from the collagen inside cattles' skin and bones. In Gelatin the essential amino acid tryptophane is absent. Contains the amino acid hydroxyproline (ca. 13%).

**CAS-No. Substance name**

9000-70-8 Gelatin


• **EINECS-No.:** 232-554-6

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

• **INCI-Name:** Gelatin

## 4 First aid measures

• **after eye contact:** Rinse out with plenty of water with the eyelid wide open.

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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. 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:

- **Methods for cleaning:** Take up dry. Disposal according to Chapter 13 of this MSDS. Clean up with water.
- **General information:** No hazardous substances are released.

## 7 Handling and storage

- **Handling:** No special requirements.
- **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:**
- **General protective and hygiene measures:** The usual precaution measures during handling of chemicals are to observe.
- **Respiratory protection:** Not required.
- **Hand protection:** Not required.
- **Eye protection:** Not required.

## 9 Physical and chemical properties

- **Form:** solid
- **Colour:** faint yellow - brown
- **Odour:** faint odour.
- **Melting point / melting range:** not determined
- **Boiling point / boiling range:** not determined
- **Flash point:** not determined
- **Density:** (20 °C) 0,68 g/cm<sup>3</sup>
- **Solubility in / Miscibility with**
- **Water:** partially soluble
- **pH-range:** (10 g/l, 25 °C) 3,8 - 7,65

## 10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** No decomposition during appropriate use.

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- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** none.

## 11 Toxicological information

- **Acute toxicity:** Not toxic. Food ingredient.

## 12 Ecological information

- **Information about elimination (persistence and degradability):** Readily biodegradable.
- **Aquatic toxicity:** Quantitative ecotoxicological data for this product are not available. Naturally occurring substance.
- **Water hazard class:** 1 (VwVwS): slightly 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.