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

· **Informations to product No. 4498**

· **Product name:**

Pektin (Ursprung: Apfel)
Apfelpektin

· **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:**

Polysaccharide (polyuronide), from vegetable cell walls, mainly composed of alpha-1,4-glycosidic linked galacturonic acid units.

The product is admitted food ingredient according to the German Lebensmittelgesetz LMBG (E440)

Produced from acid apples.

CAS-No. Substance name

9000-69-5 Pectin

· **EINECS-No.:** 232-553-0

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

· **INCI-Name:** Pyrus Malus Pectin Extract


4 First aid measures

· **after inhalation:** Not relevant

· **after skin contact:** Wash away with water

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

· **after swallowing:** not toxic.

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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

- **Personal protective measures:** Contaminated floor can be slippery.
- **Methods for cleaning:** Take up dry. Disposal according to Chapter 13 of this MSDS. Clean up with water.

7 Handling and storage

- **Handling:** No special requirements.
- **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:** Not required.
- **Hand protection:** Not required
- **Eye protection:** Not required

9 Physical and chemical properties

- **Form:** solid
- **Colour:** white, beige or light brown
- **Odour:** neutral
- **Melting point / melting range:** not determined
- **Boiling point / boiling range:** not determined
- **Flash point:** not determined
- **Explosion hazard:** low dust explosion hazard.
- **Density:** not determined
- **Solubility in / Miscibility with**
- **Water:** soluble in hot water.

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:**

Quantitative toxicological data for this product are not available. Food ingredient. Toxic effects are not likely.

12 Ecological information

- **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.