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

- **Informations to product No. 7927**
- **Product name:**

Isomalt
Isomaltum (20g = 1 BE)

- **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:**

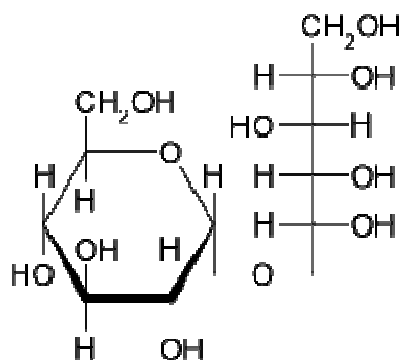
Ingredient for pharmaceutical drugs or active pharmaceutical ingredient.

2 Hazards identification

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

3 Composition / information on ingredients


- **Chemical characterization:**



CAS-No. Substance name

64519-82-0 Isomalt

- **EINECS-No.:** 613-617-0
- **REACH Reg. No.:** (pre-registered)
- **INCI-Name:** Isomalt

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· **Description:** Sugar substitute, admitted for food generally, except of beverages up to 100 g/kg. For the preparation of confectionery no quantity limitation.
Hydrated isomaltulose, a carbohydrate, consisting of about equal parts of 1-O-alpha-D-glucopyranosyl-D-mannit-dihydrate (GPM) and 1-O-alpha-D-glucopyranosyl-D-sorbit (GPS).

4 First aid measures

- **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:** Not toxic.

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

- **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:**
- **Advice on safe handling:** No special measures required.
- **Informations to fire or explosion protection:** The usual precaution measures during handling of chemicals are to observe keep away from ignition sources. Avoid electrostatic charging.
- **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

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:**
- **Respiratory protection:** Not required.
- **Hand protection:** Not required.
- **Eye protection:** Not required

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9 Physical and chemical properties

- **Form:** solid
- **Colour:** white
- **Odour:** odourless
- **Melting point / melting range:** 145 - 150 ° C
- **Boiling point / boiling range:** not determined
- **Flash point:** not determined
- **Explosion hazard:** Dust explosion hazard.
- **Explosion limits:**
- **lower:** 2 Vol % (fine dust with particle size < 200 µm.)
- **Density:** not determined
- **Solubility in / Miscibility with**
- **Water:** readily soluble

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** Strong heating.
- **Materials to avoid:** Strong oxidizers
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** Carbon monoxide, carbon dioxide (In case of fire)

11 Toxicological information

- **Acute Toxicity:** Not toxic. In case of appropriate handling and usage the product does not cause harmful effects. Food ingredient.

12 Ecological information


- **Information about elimination (persistence and degradability):**
Naturally occurring substance. Readily biodegradable.
- **Aquatic toxicity:** In case of appropriate handling and usage the product does not cause ecological problems.
- **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.

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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.