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

· Angaben zum Produkt 2039

· Product name:

Sorbinsäure
Acidum sorbicum
Sorbic acid

· 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

· GHS-Labeling Elements:



· Signal word: Warning


· H-Phrases:

H319 Causes serious eye irritation
 H335 May cause respiratory irritation

· P-Phrases:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray
 P280 Wear protective gloves/protective clothing/eye protection/face protection
 P285 In case of inadequate ventilation wear respiratory protection

Eye Irrit. 2
STOT SE 2

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3 Composition / information on ingredients

CAS-Nr. Substance name

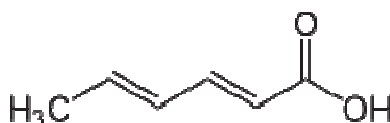
110-44-1 Sorbic acid

• **EINECS-No:** 203-768-7

• **REACH Reg. No.:** 01-2119950330-49-0000

• **INCI-Name:** Sorbic Acid

• **Chemical characterization:**



4 First aid measures

- **after inhalation:** Bring the person out of the contaminated area to fresh air, Seek medical help immediately. Show product-label or this MSDS.
- **after skin contact:** Take off contaminated clothes and shoes, wash immediately with plenty of water and soap.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open. If irritation continues, call in ophthalmologist..
- **after swallowing:** Drink water. Induce vomiting. 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 but not flammable. In case of fire dangerous gases / vapours can be released: Smoke gases.
- **Special protective equipment for fire-fighters:** Suitable protective clothes and respiratory protection.
- **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:** Avoid dust formation and contact with substance.
- **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:** 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).

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8 Exposure controls / personal protective equipment

- **Personal protective equipment:**
- **Respiratory protection:** Dust protection mask.
- **Hand protection:** Protection gloves of rubber or latex
- **Eye protection:** Safety glasses.

9 Physical and chemical properties

- **Form:** solid
- **Colour:** colourless
- **Odour:** faint, characteristic
- **Melting point / melting range:** 135 °C
- **Boiling point / boiling range:** 228 °C
- **Flash point:** 127 °C
- **Vapour pressure:** (20 °C) 0,013 hPa
- **Density:** (20 °C) 1,079 g/cm³
- **Solubility in / Miscibility with**
- **Water:** (20 °C) 1,6 g/l
- **pH-range:** (1,6 g/l, 20 °C) 3,3

10 Stability and reactivity

- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** At high temperatures irritant vapours are released. At Temperatures > 181 °C harmful vapours are released.

11 Toxicological information


- **Acute toxicity:**
- LD/LD50-data relevant for hazard classification:**
- 110-44-1 Sorbic acid
- Oral: LD50: 7360 mg/kg (rat)
- **Primary irritant effect:**
- **on eyes:** Irritant effect.
- **on respiratory organs:** Irritations, coughing.

12 Ecological information

- **Information about elimination (persistence and degradability):** Readily biodegradable.
- **Aquatic toxicity:** Toxic for water organisms.
- **Water hazard class:** 1 (VwVwS): slightly hazardous for water.

13 Disposal considerations

- **Recommendation:** Disposal according to local regulations as pharmaceutical waste.
- **Empty contaminated packaging:**

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- **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 is classified and labelled according to GHS-regulations.
- **Hazard symbols:** GHS07
- **Signal word:** Warning
- **H-Phrases:**
H319 Causes serious eye irritation
H335 May cause respiratory irritation
- **P-Phrases:**
P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P280 Wear protective gloves/protective clothing/eye protection/face protection
P285 In case of inadequate ventilation wear respiratory protection
- **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.