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

- **Informations to product No. 4429**
- **Product name:**

Natriumascorbat Natrii ascorbas

- **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

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

3 Composition / information on ingredients

CAS-No. Substance name

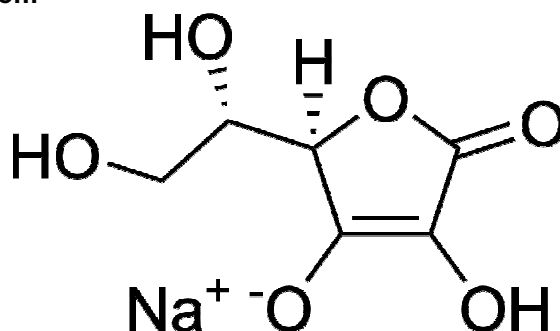
134-03-2 Sodium-L(+)-ascorbate


- **EINECS-No.:** 205-126-1

- **REACH Reg. No.:** 01-2119953729-21-0000

- **INCI-Name:** Sodium Ascorbate

- **Chemical characterization:**



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4 First aid measures

- **after eye contact:**

Rinse out with plenty of water with the eyelid wide open.

- **after swallowing:** (big quantities): If feeling unwell 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 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:** Avoid dust formation.

- **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

- **Storage:**

- **Requirements for storage areas and containers:**

Keep container tightly closed. Store cool and dry.

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:** Required if dusts are generated.

- **Eye protection:** Safety glasses

9 Physical and chemical properties

- **Form:** solid

- **Colour:** white

- **Odour:** odourless


- **Melting point / melting range:** 218 °C Decomposition

- **Boiling point / boiling range:** not determined

- **Flash point:** not determined

- **Density:** Bulk density: ca. 620 kg/cbm

- **Solubility in / Miscibility with**

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- **Water:** (20 °C) 620 g/l
- **pH-range:** (100 g/l, 20 °C) 6,0 -7,5

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:**
Thermal decomposition Above melting point
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** none

11 Toxicological information

- **Acute toxicity:**
LD50 (oral,Rat): 11900 mg/kg (related to ascorbic acid)
- **Additional toxicological informations:**
In case of appropriate handling and usage the product does not cause harmful effects.

12 Ecological information

- **Ecotoxic effects:**
Quantitative ecotoxicological data for this product are not available.
- **Aquatic toxicity:**
Not acute harmful for water organisms.
- **Water hazard class:** 1 (Vw/VwS): 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.

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

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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.