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

· **Informations to product No. 2739**

· **Product name:**

Zinkstearat
Zinci stearas

· **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

· **Chemical characterization:**

CAS-No. Substance name

557-05-1 Zinc stearate

· **EINECS-No.:** 209-151-9

· **REACH Reg. No.:** 01-2119513214-54-0000

· **INCI-Name:** Zinc Stearate


4 First aid measures

· **after inhalation:** Fresh air. If feeling unwell continuously seek medical advice.

· **after skin contact:** Wash away with plenty of water.

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

· **after swallowing:** Drink water. Induce vomiting. Seek medical advice.

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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: Zinc oxide fume.
- **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:**
- **Advice on safe handling:** Avoid generation and deposition of dust.
- **Informations to fire or explosion protection:** Avoid dust generation. If dust is generated provide exhaustion.
- **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:** Dust protection mask
- **Hand protection:** Protection gloves of rubber or latex
- **Eye protection:** Safety glasses

9 Physical and chemical properties

- **Form:** solid
- **Colour:** white
- **Odour:** Odourless
- **Melting point / melting range:** 118 - 122 °C
- **Boiling point / boiling range:** not determined
- **Flash point:** 277 °C
- **Flammability (solid, vapours):** The product is not flammable.
- **Ignition temperature:** 420 °C
- **Explosion hazard:** The product is not hazardous for explosion, but the explosion of dust-air mixtures is possible.

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- **Density:** not determined
- **Bulk density:** ca. 100 kg/m³
- **Solubility in / Miscibility with**
- **Water:** (20 °C) 0,9 mg/l

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** No decomposition during appropriate use.
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** none.

11 Toxicological information

- **Acute toxicity:**
LD50 (oral, rat) > 5000 mg/kg
LD50(dermal, rabbit) > 2000 mg/kg
LD50 (inhal. rat) > 200 mg/kg/1h
- **Additional toxicological informations:** In case of appropriate handling and usage the product does not cause harmful effects.

12 Ecological information


- **Aquatic toxicity:**
Daphnien: Daphnia magna LC50/48h: > 100 mg/l
Fische: Brachydanio rerio > 10000 mg/l/96h
Bakterien: Photobacterium phosphoreum NOEC 1560 mg/l/30 min.
Zinc compounds are harmful for water organisms. The product is not soluble in water and not acute toxic for water organisms.
- **Information about elimination (persistence and degradability):** Stearates are biodegradable.
- **General advices:** Prevent from entering sewage water or drainage ditch undiluted or unneutralized.
- **Water hazard class:** 1 (VwVwS): 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.