


Page 1 of 4 Print Date 23.11.2018	Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) Stearinsäure 50	 Revision Date 23.11.2018
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1 Identification of the substance/mixture and of the company/undertaking

- **Informations to product No. 2040**
- **Product name:**

Stearinsäure 50
Acidum stearinum
Stearic acid 50

- **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

57-11-4 Stearic acid


• **EINECS-No.:** 200-313-4

• **REACH Reg. No.:** 01-2119543894-28-0000

• **INCI-Name:** Stearic Acid

4 First aid measures

- **General advices:** No special measures required.
- **after eye contact:** Rinse out with water.
- **after swallowing:** Drink water. Induce vomiting. If feeling unwell seek medical advice.

<p>Page 2 of 4</p> <p>Print Date 23.11.2018</p>	<p>Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Stearinsäure 50</p>	 <p>Revision Date 23.11.2018</p>
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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. In case of fire dangerous vapours/gases can be generated: 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.
- **Advice on safe handling:** No special measures required.
- **Informations to fire or explosion protection:** No special measures required.
- **Storage:**
- **Requirements for storage areas and containers:** Tightly closed. Store at a dry place. At room temperature (+15°C to +25°C).
- **Advices on common storage:** Not required.

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:**
- **General protective and hygiene measures:** The usual precaution measures during handling of chemicals are to observe.
- **Respiratory protection:** Not required.
- **Hand protection:** Not required.

9 Physical and chemical properties

- **Form:** solid
- **Colour:** white
- **Odour:** characteristic, rancid
- **Solidification point:** 54 – 59 °C
- **Melting point / melting range:** 68 – 70 °C

<p>Page 3 of 4</p> <p>Print Date 23.11.2018</p>	<p>Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Stearinsäure 50</p>	 <p>Revision Date 23.11.2018</p>
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- **Boiling point / boiling range:** 370 °C
- **Flash point:** 196 °C
- **Ignition temperature:** 395 °C
- **Spontaneous ignition:** The product is not hazardous of spontaneous ignition.
- **Density:** (20 °C) ca. 0,85 g/cm³
- **Bulk density:** ca. 400 – 500 kg/cm³
- **Solubility in / Miscibility with**
- **Water:** Soluble in alkaline media.
- **pH-range:** (20 °C) ca. 7

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** No decomposition during appropriate use.
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** At high temperatures irritant or harmful cracking products are released.

11 Toxicological information

- **Acute toxicity:**
LD50 (rat, oral): > 5000 mg/kg
LD50 (dermal, Rabbit): >5000mg/kg
- **Primary irritant effect:**
On skin: Slightly irritant
On eyes: Slightly irritant
- **Sensitization:** Not sensitizing
- **Additional toxicological informations:** In case of appropriate handling and usage the product does not cause harmful effects.

12 Ecological information


- **Information about elimination (persistence and degradability):** Readily biodegradable.
- **Water hazard class:** nwg (VwVwS): not hazardous for water.
- **log p(O/W):** 8,23

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.

<p>Page 4 of 4</p> <p>Print Date 23.11.2018</p>	<p>Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Stearinsäure 50</p>	 <p>Revision Date 23.11.2018</p>
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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.