

Page 1 of 4 Print Date 27.11.2018	Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) Erythromycin, mikronisiert, API (mikrobielle Herkunft)	 Revision Date 27.11.2018
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1 Identification of the substance/mixture and of the company/undertaking

· **Informations to product No. 2225**

· **Product name:**

Erythromycin, mikronisiert, API (mikrobielle Herkunft)
Erythromycinum (Base)

· **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:** Danger

· **H-Phrases:**

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

H317 May cause an allergic skin reaction

· **P-Phrases:**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray

P285 In case of inadequate ventilation wear respiratory protection

3 Composition / information on ingredients

CAS-No. Substance name

114-07-8 Erythromycin

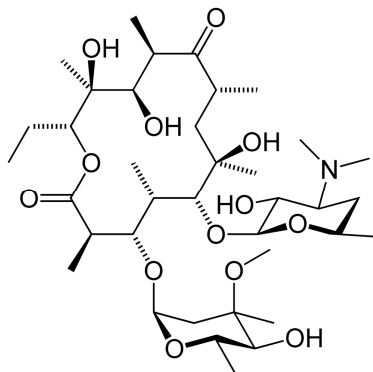
· **EINECS-No.:** 204-040-1

· **REACH Reg. No.:** 01-2120044553-61-0000

· **INCI-Name:** -

<p>Page 2 of 4</p> <p>Print Date 27.11.2018</p>	<p>Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Erythromycin, mikronisiert, API (mikrobielle Herkunft)</p>	 <p>Revision Date 27.11.2018</p>
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• **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:** Wash away with water and soap.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open.
- **after swallowing:** Seek medical advice immediately.

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:**
- **Advice on safe handling:** Good ventilation/exhaustion of working place.
- **Storage:**
- **Requirements for storage areas and containers:**
Tightly closed. Store at a dry place. At room temperature (+15°C to +25°C).

<p>Page 3 of 4</p> <p>Print Date 27.11.2018</p>	<p>Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Erythromycin, mikronisiert, API (mikrobielle Herkunft)</p>	 <p>Revision Date 27.11.2018</p>
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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:** white – faint yellow
- **Odour:** odourless
- **Melting point / melting range:** 135 - 140 °C
- **Explosion hazard:** The product is not hazardous for explosion, but the explosion of dust-air mixtures is possible.
- **Density:** not determined
- **Solubility in / Miscibility with**
- **Water:** (20 °C) 2 g/l
- **pH-range:** 8 - 10,5 saturated solution.

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 vapours are released.

11 Toxicological information

- **Acute toxicity:**
LD/LD50-data relevant for hazard classification:
114-07-8 Erythromycin
Oral: LD50: 9272 mg/kg (rat)
i.v. 426 mg/kg mou
- **Sensitization:** Can cause allergic reactions.
- **Sub-acute / chronic toxicity:**
Teratogenity: Subcutane TDLo (Rat): 50 mg/kg (In the days of pregnancy 6th to 10th)
Cancerogenity: In IARC, NTP and OSHA not listed as Carcinogene.

12 Ecological information

- **Aquatic toxicity:**
Quantitative ecotoxicological data for this product are not available.
- **Water hazard class:** 1 (self classification): slightly hazardous for water.

<p>Page 4 of 4</p> <p>Print Date 27.11.2018</p>	<p>Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Erythromycin, mikronisiert, API (mikrobielle Herkunft)</p>	 <p>Revision Date 27.11.2018</p>
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13 Disposal considerations

- **Product:**
- **Recommendation:** Disposal according to local regulations as pharmaceutical waste or organic laboratory chemicals
- **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 is classified and labelled according to GHS-regulations.
- **Hazard symbols:** GHS08
- **Signal word:** Danger
- **H-Phrases:**
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
H317 May cause an allergic skin reaction
- **P-Phrases:**
P261 Avoid breathing dust/fume/gas/mist/vapours/spray
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.