


<p>Page 1 of 4</p> <p>Print Date 26.11.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Cetiol ® HE</p>	 <p>Revision Date 26.11.2018</p>
---	--	---

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

- **Informations to product No. 7163**
- **Product name:**

**Cetiol ® HE**  
Polyol-Fettsäure-Ester  
Polyol-fatty acid ester

- **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**

614-593-4 Fatty acids, coco, esters with polyethylene glycol ether with glycerol (3:1)


- **EINECS-No.:** 614-593-4

- **REACH Reg. No.:** -

- **INCI-Name:** PEG-7 Glyceryl Cocoate

## 4 First aid measures

- **after inhalation:** Not relevant
- **after skin contact:** Wash away with water.
- **after eye contact:** Rinse off with water. If irritation continues seek medical advice.
- **after swallowing:** Drink plenty of water. Seek medical advice.

<p>Page 2 of 4</p> <p>Print Date 26.11.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Cetiol ® HE</p>	 <p>Revision Date 26.11.2018</p>
---	--	---

## 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:** Not required
- **Environmental protective measures:** Prevent from entering into drains.
- **Methods for cleaning:** Absorb with liquid-binding material: Sand, silica gel, acid binder, universal binder, saw dust.

## 7 Handling and storage

- **Handling:** Keep away from open fire.
- **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.
- **Additional informations to storage conditions:** none

## 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:** Protection gloves of rubber or latex.
- **Eye protection:** Safety glasses.

## 9 Physical and chemical properties

- **Form:** liquid
- **Colour:** light yellow
- **Odour:** odourless
- **Melting point / melting range:** -10 - 0 °C (cloudpoint)
- **Boiling point / boiling range:** > 100 °C
- **Flash point:** 216 °C DIN ISO 2592

<p>Page 3 of 4</p> <p>Print Date 26.11.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Cetiol ® HE</p>	 <p>Revision Date 26.11.2018</p>
---	--	---

- **Density:** (20 °C) 1,04 - 1,06 g/cm<sup>3</sup>; (70 °C) 1,06 – 1,03 g/cm<sup>3</sup> (DIN 51757 V 4-94 (MOD.))
- **Solubility in / Miscibility with**
- **Water:** partially soluble
- **pH-range:** (20 °C; Conc.: 5 %; Solvent.: Potassium chloride solution 0,03%) 5,5 - 6,5 ISO 4316-77
- **Cloudpoint:** -10,0 - 0,0 °C ISO 3015 (82), DIN EN 23015-94
- **Viscosity (dynamic)** (Hoeppler; 20 °C) 169 - 171 mPas DGF C-IV 7 (68)

## 10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** No decomposition during appropriate use.
- **Materials to avoid:** Strong oxidants.
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** After strong heating organic crack products can be generated. No decomposition at ambient temperature.

## 11 Toxicological information

- **Acute toxicity:**  
LD50 > 5000 mg/kg (OECD 401)
- **Skin irritation:** Not irritant (OECD 404)
- **Eye irritation:** Not irritant (OECD 405)
- **Additional toxicological informations:** In case of appropriate handling and usage the product does not cause harmful effects.

## 12 Ecological information


- **Aquatic toxicity:**  
Fish LC50 *Leuciscus idus* > 10 - <= 100 mg/l (ISO 7346/2 semistatic).  
Bacteria EC0 > 100 mg/l (OECD 209)  
Daphnia LC50 > 100 mg/l
- **Biodegradability:** readily biodegradable. The surfactants contained in the product are at least 90% biodegradable according to the requirements of EC- guideline 82/242 (non ionic surfactants) resp. 82/243/EEC (anionic surfactants).
- **Water hazard class:** 1 (self classification): 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.

<p>Page 4 of 4</p> <p>Print Date 26.11.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Cetiol ® HE</p>	 <p>Revision Date 26.11.2018</p>
---	--	---

## 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:** 10

· **VbF class:** -

## 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.