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

- Informations to product No. 7334
- Product name:

Oleum Ricini raffinatum

Raffinated ricinus oil
Raffiniertes Ricinusöl

- Supplier of the Product / responsible Company:

Caesar & Loretz GmbH
Herderstr. 31
40721 Hilden
Tel.: 02103/4994-400
Fax: 02103/4994-580
e-mail: info@caelo.de

- Emergency telephone:

Giftinformationszentrum Mainz
Langenbeckstr. 1, 55131 Mainz
Tel.: 06131/19240

2 Hazards identification

- **Hazards identification:** The substance is not classified as dangerous according to European Union legislation.
- **Additional information:** The product is a natural vegetable oil according to the german LHmV with no risk of health damage if used appropriately under observation of the concentration limit for oil aerosols.

3 Composition / information on ingredients

- **Chemical characterization:**

CAS-No. Substance name

08001-79-4 Ricinus oil

- **Identification number(s)**

No information available


- **General information:** Mixture of triglycerides of different fatty acids, contains 80–85 % of the triglyceride of ricinolic acid and other glycerides of different C₁₈-Fatty acids. The Informations about the composition are varying depending on the origin.

4 First aid measures

- **After inhalation:** Fresh air. If irritation of respiratory ways continues, seek medical advice.
- **after skin contact:** Wash away with water and soap. If product is hot: symptomatic treatment.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open.
- **after swallowing:** If feeling unwell continuously seek medical advice. Laxative effect.

5 Fire-fighting measures

- **Suitable extinguishing media:** All regular extinguishing media can be used. Select fire fighting

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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, acroleine, carbon monoxide, carbon dioxide.
- **Special protective equipment for fire-fighters:** Suitable protective clothes and respiratory protection. Cool endangered containers with water.

6 Accidental release measures:

- **Personal protective measures:** See chapter 8. Danger: Spilled oil makes floor slippery.
- **Environmental protective measures:** Prevent from entering into drains, prevent from contaminating surface water or the ground water system.
- **Methods for cleaning:** Absorb with liquid-binding material: Sand, silica gel, acid binder, universal binder, saw dust. Disposal according to Chapter 13 of this MSDS. Clean up with water.

7 Handling and storage


- **Handling:** No special measures required.
- **Storage:**
- **Requirements for storage areas and containers:**
Store cool and dry, keep away from fire and ignition sources.
- **Additional informations to storage conditions:**
Keep container dry and tightly closed. Protect from air and sunlight.

8 Exposure controls / personal protective equipment

- **Personal protective equipment:**
- **Respiratory protection:** Filter mask if aerosols are generated.
- **Eye protection:** If hot product is used, wear protection glasses..

9 Physical and chemical properties

- **Form:** liquid
- **Colour:** colourless - light yellow
- **Odour:** nearly odourless
- **Melting point / melting range:** not determined
- **Boiling point / boiling range:** > 350 ° C
- **Flash point:** 229 ° C
- **Ignition temperature:** 448 ° C
- **Vapour pressure:** at 100 ° C < 1 hPa
- **Density:** at 20 ° C 0,96 g/cm³
- **Solubility in / Miscibility with**
- **Water** at 20 ° C (not soluble) g/l
- **pH-range:** (neutral)
- **Viscosity:**
- **dynamic:** at 20 ° C ca. 950-1100 mPas
- **Additional information:** Not volatile

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10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** Stable. Keep away from heat, open fire and other ignition sources.
- **Materials to avoid:** Strong oxidizers.
- **Hazardous reactions:** After strong heating organic crack products can be generated. No decomposition at ambient temperature.
- **Hazardous decomposition products:** At high temperatures irritant or harmful vapours are released.

11 Toxicological information

- **Acute toxicity:** Quantitative toxicological data for this product are not available. Food ingredient.
- **Sub-acute / chronic toxicity:** No data available. General informations about vegetable oils don't reveal any carcinogene potential
- **Additional toxicological informations:** In case of appropriate handling and usage the product does not cause harmful effects.
- **General advices:** No hazardous effect in water known.

12 Ecological information

- **Acute toxicity:** Quantitative toxicological data for this product are not available. Food ingredient.
- **Sub-acute / chronic toxicity:** No data available. General informations about vegetable oils don't reveal any carcinogene potential
- **Additional toxicological informations:** In case of appropriate handling and usage the product does not cause harmful effects.

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 EC-regulations:**
The product does not need to be labelled according to EC directives or respective national laws.

16 Other Information

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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.