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

- Informations to product No. 7313
- Product name:

**Oleum Jecoris**  
Cod-liver oil (Type A)  
Lebertran (Typ A)

- 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

- Hazard classification: The substance is not classified as dangerous according to European Union legislation.

## 3 Composition / information on ingredients

- Chemical characterization

- **Description:** From codfish-liver prepared fatty oil with high content of unsaturated fatty acids, contains average:

99% Fat

0,85% Cholesterol

0,026 Vitamin E

0,026% Vitamin A (85000 IE pro 100 g)


0,0002% Vitamin D (8500 IE pro 100 g)

In halibut liver oil the content of vitamin A is higher.

Fish oil contains less vitamin A.

## 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.

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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: 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:** light yellow
- **Odour:** oily
- **Melting point / melting range:** not determined
- **Boiling point / boiling range:** not determined
- **Flash point:** not determined
- **Density:** at 20 ° C 0,923 g/cm<sup>3</sup>
- **Solubility in / Miscibility with**
- **Water** not soluble

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## 10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:**

No decomposition during appropriate use.

- **Materials to avoid:** Oxidants

- **Hazardous reactions:** No hazardous reactions known.

- **Hazardous decomposition products:** At high temperatures irritant or harmful vapours are released.

## 11 Toxicological information

Intoxication possible if big quantities are swallowed, caused by vitamin A overdosage.

- **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):** Naturally occurring substance. Readily biodegradable.

- **Water hazard class (german regulation):** WGK 1 slightly hazardous for water (Self classification)

## 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 .


- **National regulations (Germany):**

- **Vbf-classification:** The substance is not classified as dangerous according to European Union legislation.

- **Water hazard class (german regulation):** WGK 1 slightly hazardous for water (Self classification)

## 16 Other Information

The information provided in this MSDS is correct to the best of our knowledge at the date of edition.

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- **Reason for last revision:** Adjustment to regulation (EC) 1907/2006 (REACH)