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

- **Informations to product No. 51b**
- **Product name:**

Wachs, gelbes
Cera flava
Yellow Beeswax

- **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

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

3 Composition / information on ingredients

- **Chemical characterization:** Beeswax.

• **Description:** Main component Myricine, (ca. 65 %), a mixture of esters of higher alcohols and acids, mainly palmitic acid myricyl ester C₁₅H₃₁-COO-C₃₀H₆₁. Other components: Free cerotic acid C₂₅H₅₁-COOH, melissic acid and other higher fatty acids (12 %), saturated hydrocarbons (ca. 14 %), alcohols (ca. 1 %) and other organic substances. Contains 0.5% Glycerine maximum.

CAS-No. Substance name

8012-89-3 Beeswax


- **EINECS-No.:** 232-383-7

• **REACH Reg. No.:** Exempted from the obligation to register according to Annex 4 / 5 REACH-regulation.

- **INCI-Name:** Cera Flava

4 First aid measures

- **General advices:** No special measures required.
- **After inhalation:** not relevant.

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- **after skin contact:** Wash off with water.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open.
- **after swallowing:** (big quantities) If feeling unwell seek medical advice.

5 Fire-fighting measures

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

- **General information:** No hazardous substances are released.
- **Methods for cleaning:** Take up dry. Disposal according to Chapter 13 of this MSDS. Clean up with water.

7 Handling and storage

- **Handling:**
- **Informations to fire or explosion protection:** Keep away from fire.
- **Storage:**
- **Requirements for storage areas and containers:**
Tightly closed. Store at a dry place. At room temperature (+15°C to +25°C).

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
- **Eye protection:** Not required

9 Physical and chemical properties

- **Form:** solid
- **Colour:** yellow
- **Odour:** faint smell of beeswax
- **Melting point / melting range:** 61 - 66 °C

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- **Boiling point / boiling range:** not determined
- **Flash point:** > 120 °C
- **Density:** (20 °C) 0,85 g/cm³
- **Solubility in / Miscibility with**
- **Water:** not soluble

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:**
No decomposition during appropriate use.
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** At very high temperature cracking products can be generated, which can form explosive mixtures with air.

11 Toxicological information

- **Acute toxicity:**
LD50 (oral,rat): > 2000 mg/kg. The product has very low acute toxicity.
- **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):**
The substances contained in the product are not to be classified as "readily biodegradable" according to OECD-classification.
(OECD-limits for Classification "readily biodegradable": at least 60% BSB28/CSB or at least 70% DOC).
- **Aquatic toxicity:**
- **Fish toxicity:** LC50 > 100 mg/l (Leuciscus idus, DIN 38412T15 or Danio rerio, ISO 7346)
- **Bacteria toxicity:** EC50 > 100 mg/l (O₂ Consumption test m. Ps. putida acc. OECD)
- **Water hazard class:** 1 (VwVwS): 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.

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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):**

- **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.