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

· **Informations to product No. 2720**

· **Product name:**

Vanillin
Vanillinum

· **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:** Warning

· **H-Phrases:**

H319 Causes serious eye irritation

· **P- Phrases:**

P305 IF IN EYES:

P351 Rinse continuously with water for several minutes

Eye Irrit. 2


3 Composition / information on ingredients

· **Chemical characterization:**

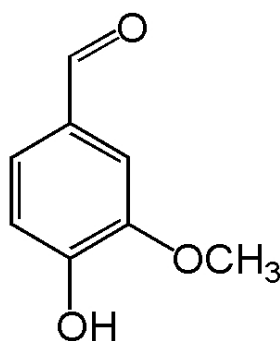
CAS-No. Substance name

121-33-5 Vanillin (4-Hydroxy-3-methoxybenzaldehyd)

· **EINECS-No.:** 204-465-2

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- **REACH Reg. No.:** 01-2119516040-60-0000
- **INCI-Name:** Vanillin



4 First aid measures

- **after inhalation:** Fresh air. If feeling unwell continuously seek medical advice.
- **after skin contact:** Wash away with plenty of water.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open.
- **after swallowing:** Drink plenty of water. Induce vomiting. Seek medical advice.

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.
- **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:** No special requirements.
- **Storage:**
- **Requirements for storage areas and containers:** Tightly closed. Store at a dry place. At room temperature (+15°C to +25°C). Protect from light.

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8 Exposure controls / personal protective equipment

- **Personal protective equipment:**
- **Respiratory protection:** Dust protection mask.
- **Hand protection:** Protection gloves of latex or rubber.
- **Eye protection:** Safety glasses.

9 Physical and chemical properties

- **Form:** solid
- **Colour:** white – light yellow
- **Odour:** Characteristic smell of Vanilla.
- **Melting point / melting range:** 81 - 83 °C
- **Boiling point / boiling range:** (1013 hPa) 285 °C; (13 hPa) ca. 154 °C
- **Flash point:** 160 °C
- **Density:** (20 °C) 1,06 g/cm³
- **Bulk density:** ca. 600 kg/m³
- **Solubility in / Miscibility with**
- **Water:** (20 °C) ca. 9 g/l
- **pH-value:** (1% solution) 4,3

10 Stability and reactivity


- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** On rapid heating irritant vapours can be released.
- **Additional information:** Light sensitive, air sensitive.

11 Toxicological information

- **Acute toxicity:**
- LD/LD50-data relevant for hazard classification:**
- 121-33-5 Vanillin
- LD50 (oral, rat): 3300 mg/kg
- LC50 dermal, rabbit): > 5010 mg/kg
- NOAEL (oral, rat, 6 month): 650 mg/kg
- **Primary irritating effect:**
- **on skin:** Slightly irritant.
- **on eyes:** Irritant.
- **Sensitization:** Not sensitizing

12 Ecological information

- **Aquatic toxicity:**
- LC50 - 96 h : 57 mg/l - Pimephales promelas
- EC50 - 48 h : 36,8 mg/l - Daphnia magna (OECD 202)
- ErC50 - 72 h : 120 mg/l - Pseudokirchneriella subcapitata (OECD 201)
- NOEC - 72 h : 47 mg/l - Pseudokirchneriella subcapitata (OECD 201)

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NOEC : 100 mg/l Bacteria (OECD 301c)
 NOEC: 5,9 mg/l - 21d - Daphnia magna (OECD 212)
 NOEC: 47 mg/l - 72 h - Pseudokirchneriella subcapitata (OECD 201)

• **Information about elimination (persistence and degradability):**

Readily biodegradable.

• **Log pOW:** (25 °C) 1,17 – 1,21

• **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.

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:** GHS07

• **Signal word:** Warning

• **H-Phrases:**

H319 Causes serious eye irritation

• **P- Phrases:**

P305 IF IN EYES:

P351 Rinse continuously with water for several minutes

• **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.