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

- **Informations to product No. 7040**
- **Product name:**

### Bananen-Aroma

- **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:**

H226 Flammable liquid and vapour  
 H351 Suspected of causing cancer.  
 H412 Harmful to aquatic life with long lasting effects.

- **P-Phrases:**

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking  
 P280 Wear protective gloves/protective clothing/eye protection/face protection

**Flam. Liq. 3**


**Carc. 2**

**Aquatic Chronic 3**

## 3 Composition / information on ingredients

- **Description:**

Natural and nature-identical flavouring agencies soluted in water with ethanol.

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· **Chemical characterization**

CAS: 123-92-2 3-Methylbutylacetat Flam. Liq. 3, H226 (>10-20%)  
 EINECS: 204-662-3

CAS: 659-70-1 3-Methylbutylisovalerat Aquatic Chronic 2, H411 >10-20%  
 EINECS: 211-536-1

CAS: 106-27-4  
 3-Methylbutylbutyrat Flam. Liq. 3, H226; Aquatic Chronic 3, H412 >2,5-5%  
 EINECS: 203-380-8

CAS: 141-78-6 Ethylacetat Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336 1-2,5%  
 EINECS: 205-500-4

CAS: 75-07-0 Ethanal Flam. Liq. 1, H224; Carc. 2, H351; Eye Irrit. 2, H319; STOT SE 3, H335 1-2,5%  
 EINECS: 200-836-8

CAS: 97-53-0 Eugenol Eye Irrit. 2, H319; Skin Sens. 1B, H317 ≥0,1-<1%  
 EINECS: 202-589-1

CAS: 6728-26-3 trans-2-Hexen-2-al Flam. Liq. 3, H226; Acute Tox. 3, H311; Aquatic Chronic 2, H411;  
 Acute Tox. 4, H302; Skin Sens. 1B, H317 ≥0,25-<1%  
 EINECS: 229-778-1

CAS: 138-86-3  
 DIPENTEN Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410;  
 Skin  
 Irrit. 2, H315; Skin Sens. 1B, H317 ≥0,1-<0,25% EINECS: 205-341-0

CAS: 5392-40-5 3,7-Dimethyl-2,6-octadien-1-al (cis+trans) Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin  
 Sens. 1, H317≥0,1-<1%  
 EINECS: 226-394-6


CAS: 105-87-3 2,6-Octadien-1-ol-3,7-dimethylacetat Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic  
 Chronic 3, H412≥0,1-<1%  
 EINECS: 203-341-5

#### 4 First aid measures

- **after inhalation:** Fresh air. If irritation of respiratory ways continues, seek medical advice.
- **after skin contact:** Wash off with water, remove contaminated clothing.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open. If feeling unwell continuously seek medical advice.
- **after swallowing:** If irritations continue, 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. In case of fire dangerous vapours/gases can

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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:** Avoid contact with substance, Wear protective equipment. Good ventilation of working place.
- **Environmental protective measures:** Prevent from entering into drains. If product is entering drainage ditch or surface waters inform responsible authorities.
- **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:** Good ventilation / exhaustion of working place. Avoid formation of aerosols.
- **Informations to fire or explosion protection:** Good ventilation / exhaustion of working place and storage place. Keep away from ignition sources – Do not smoke. Take measures to prevent electrostatic charging.
- **Storage:**
- **Requirements for storage areas and containers:**  
Tightly closed. Store at a dry place. At room temperature ( +15°C to +25°C ). Store at a good ventilated place. Avoid safely penetration into soil.
- **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:**

### 123-92-2 3-Methyl butyl acetate

AGW long time exposure: 270 mg/m<sup>3</sup>, 50 ml/m<sup>3</sup>

### 141-78-6 Ethylacetat

AGW long time exposure: 730 mg/m<sup>3</sup>, 200 ml/m<sup>3</sup>

### 75-07-0 Ethanal

AGW long time exposure: 91 mg/m<sup>3</sup>, 50 ml/m<sup>3</sup>

### 97-53-0 Eugenol


MAK as vapour and aerosol see Ch.IV

### 138-86-3 DIPENTEN

MAK seeCh.IIb

- **Personal protective equipment:**

- **General protective and hygiene measures:** The usual precaution measures during handling of chemicals are to observe.
- **Respiratory protection:** Only required if aerosols or vapours are generated.
- **Hand protection:** Protection gloves of rubber or latex or PVZ, for full contact 15 minutes maximum: Neopren. Suitable gloves for enduring contact, Material: Nitrile rubber/Nitrile latex Penetration time > 480 min., Thickness: 0,35 mm.
- **Eye protection:** Safety glasses

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## 9 Physical and chemical properties

- **Form:** liquid
- **Colour:** light yellow
- **Odour:** characteristic
- **Melting point / melting range:** not determined
- **Boiling point / boiling range:** not determined
- **Flash point:** 23 °C
- **Density:** (20 °C) 1,028 g/cm<sup>3</sup>
- **Solubility in / Miscibility with**
- **Water:** not miscible.

## 10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:**  
No decomposition during appropriate use.
- **Materials to avoid:** Strong oxidizers, strong acids and bases.
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** none

## 11 Toxicological information


- **Acute toxicity:**
- **Primary irritant effect:**
- **on skin:** no irritant effect.
- **on eyes:** no irritant effect.
- **Sensitization:** no sensitizing effect known.
- **Carcinogenity:** Suspected of causing cancer.

## 12 Ecological information

- **Ecotoxicological effects:**  
Harmful for fishes.
- **General advices:** Do not allow product to reach ground water, water course or sewage system even in small quantities. Danger to drinking water if even small quantities leak into the ground.
- **Water hazard class:** 2 (self classification): 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.

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## 14 Transport informations

- **Land transport according to ADR:**
- **Proper shipping name:** Flammable liquids, n.o.s., Essential oil.
- **Class:** 3
- **UN-number:** 1993
- **Packing group:** III
- **Classification code:** F1
- **Limited quantities (Table 3.4.6. ADR):** 5 Liter
- **Hazard classification number:** 30
- **Special provisions (Chapter 3.3 ADR):** 274, 640E
- **Additional informations for sea transport IMDG:**
- **EMS-No.:** F-E, S-E
- **Properties:** Fp=23°C

## 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:** GHS02, GHS08
- **Signal word:** Warning
- **H-Phrases:**  
 H226 Flammable liquid and vapour  
 H351 Suspected of causing cancer.  
 H412 Harmful to aquatic life with long lasting effects.
- **P-Phrases:**  
 P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking  
 P280 Wear protective gloves/protective clothing/eye protection/face protection
- **National regulations (Germany):**
- **Water hazard class:** see chapter 12
- **Storage class TRGS 510:** 3
- **VbF class:** All

## 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.