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

· **Informations to product No. 4376**

· **Product name:**

**Lidocain, API**  
Lidocain

· **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:**

H302 Harmful if swallowed

· **P-Phrases:**

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.


P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301 IF SWALLOWED:

P330 Rinse mouth.

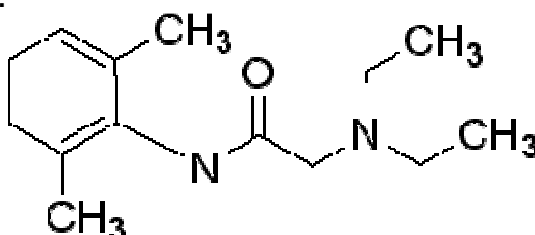
P311 Call a POISON CENTER or doctor/physician.

**Acute Tox. 4**

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## 2 Composition / information on ingredients

- **CAS-No. Substance name**  
137-58-6 Lidocaine
  - **EINECS-No.:** 205-302-8
  - **REACH Reg. No.:** 01-2120766861-45-0000
  - **INCI-Name:** Lidocaine
- Chemical characterization:**



## 4 First aid measures

- **after inhalation:** Bring the person out of the contaminated area to fresh air, Seek medical help immediately. Show product-label or this MSDS.
- **after skin contact:** Wash away with water and soap immediately and rinse off.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open. If irritation continues, call in ophthalmologist..
- **after swallowing:** seek medical advice immediately.

## 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 contact with substance.
- **Methods for cleaning:** Take up dry. Disposal according to Chapter 13 of this MSDS. Clean up with water.

## 7 Handling and storage

- **Handling:** Good ventilation of working place to avoid vapours.
- **Storage:**
- **Requirements for storage areas and containers:** Tightly closed. Store at a dry place. At room temperature ( +15°C to +25°C ). Do not store in the immediate vicinity of strong alkalis, strong acids,

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ignition sources, exposure to direct sunlight.

## 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, powder
- **Colour:** white
- **Odour:** nearly odourless, characteristic
- **Melting point / melting range:** 66 - 69 °C
- **Boiling point:** 180 °C
- **Flash point:** not determined
- **Density:** 1,026 g/cm<sup>3</sup>
- **Bulk density:** 400kg/m<sup>3</sup>
- **Solubility in / Miscibility with**  
**Water:** (20 °C) 4 g/l
- **Ethanol:** readily soluble
- **pH-range:** (5 g/l, 20 °C) > 7

## 10 Stability and reactivity

- **Stability:** Stable under normal conditions.
- **Conditions to avoid:** Direct sunlight. Extremely high or low temperatures.
- **Avoid:** Strong acids, Strong bases
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** none, if used appropriately.
- **Dangerous products of decomposition:** under high temperature, may decompose, thus free of toxic vapors. Carbon dioxide, carbon monoxide, nitrogen oxides, smoke.

## 11 Toxicological information

- **Acute toxicity:**  
LD50 (oral, rat): 315 mg/kg  
LD50 (oral, mouse): 220 mg/kg  
LD50 (i.p., rat): 133 mg/kg
- **Primary irritant effect:**
- **on skin:** Slight irritations / anesthetic effect.
- **on eyes:** Slight irritations / anesthetic effect.
- **Sensitization:** No sensitizing effect proved.
- **CMR-Effects:** No reproduction toxicity, genotoxicity or carcinogenicity.

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## 12 Ecological information

- **Persistence-degradability:** This product is biodegradable.
- **log Pow:** 2,1
- **Additional informations:** Avoid release into environment.
- **Water hazard class:** 1 (self classification): 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:**  
H302 Harmful if swallowed
- **P-Phrases:**  
P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301 IF SWALLOWED:  
P330 Rinse mouth.  
P311 Call a POISON CENTER or doctor/physician.
- **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.