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

· **Informations to product No. 5260**

· **Product name:**

**Ibuprofen, API**  
**Ibuprofenum**

· **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

## 2 Hazards identification

· **GHS-Labeling Elements:**



· **Signal word:** Warning

· **H-Phrases:**

H302 Harmful if swallowed

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

· **P-Phrases:**

P301 IF SWALLOWED:

P312 Call a POISON CENTER or doctor/physician if you feel unwell

**Acute Tox. 4**

**Eye Irrit. 2**

**STOT SE 3**

## 3 Composition / information on ingredients


· **Chemical characterization:**

· **Description:** Active pharmaceutical ingredient with analgetic and antiphlogistic effect.

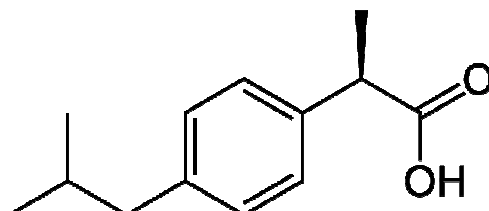
**CAS-No. Substance name:**

15687-27-1 Ibuprofen

· **EINECS-No.:** 239-784-6

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- **REACH Reg. No.:** 01-2119436748-27-0000
- **INCI-Name:** Ibuprofen



#### 4 First aid measures

- **After inhalation:** Fresh air. If irritation of respiratory ways continues, seek medical advice.
- **After skin contact:** Take off contaminated clothes and shoes, wash immediately with plenty of water and soap.
- **After eye contact:** Rinse out with plenty of water with the eyelid wide open. Call in ophthalmologist.
- **After swallowing:** Drink 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 gases / vapours can be released: 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 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.
- **Informations to fire or explosion protection:** Avoid dust formation.
- **Storage:**
- **Requirements for storage areas and containers:**  
Tightly closed. Store at a dry place. Protect from light. At room temperature ( +15°C to +25°C ).

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## 8 Exposure controls / personal protective equipment

- **Personal protective equipment:**
- **General protective and hygiene measures:**  
Keep away from food, beverages and animal food.  
Wash hands before breaks and after work.
- **Respiratory protection:** Dust protection mask.
- **Hand protection:** Protection gloves of rubber or latex
- **Eye protection:** Safety glasses

## 9 Physical and chemical properties

- **Form:** solid
- **Colour:** white
- **Odour:** odourless
- **Melting point / melting range:** 74 – 77 °C
- **Boiling point /boiling range:** 154-157°C (5,32hPa)
- **Boiling point / boiling range:** not determined
- **Vapour pressure:** 0,000012 hPa
- **Explosion hazard:** Dust explosion possible
- **Density:** not determined
- **Solubility in / Miscibility with**
- **Water:** (25°C) 0,01139 g/l
- **pH-range:** not determined

## 10 Stability and reactivity


- **Thermal decomposition / conditions to avoid:** No decomposition during appropriate use.
- **Materials to avoid:** Strong acids and bases.
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** Carbon monoxide, Carbon dioxide.

## 11 Toxicological information

- **Acute toxicity:**  
LD50 (oral, rat): 1.600 mg/kg
- **Primary irritant effect:**
- **on skin:** Slight irritations
- **in Eyes:** Irritations
- **on respiratory organs:** Irritations
- **Sensitizing effect:** Not sensitizing (OECD 406)

## 12 Ecological information

- **Aquatic toxicity:**  
Acute harmful for water organisms.  
Fish: *Lepomis macrochirus* LC50 173 mg/l/96h  
Daphnia: *Daphnia magna* EC50 29,6 mg/l/48h; chronisch: NOEC 20 mg/l/21d  
Algae: *Scenedesmus subspicatus* EC50 315 mg/l/72h (92/69/EWG)

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Bacteria: EC50 (20 min) 120,1 mg/l/20min

• **logPOW:** 3,87

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

Not readily biodegradable.

30 - 40 % BSB / ThSB (28 d) (OECD 301D)

• **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

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

• **P-Phrases:**

P301 IF SWALLOWED:

P312 Call a POISON CENTER or doctor/physician if you feel unwell

• **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.