


<p>Page 1 of 5</p> <p>Print Date 03.12.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Procainhydrochlorid, API</p>	 <p>Revision Date 03.12.2018</p>
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## 1 Identification of the substance/mixture and of the company/undertaking

· **Informations to product No. 2553**

· **Product name:**

**Procainhydrochlorid, API**  
Procaini hydrochloridum

· **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:** Danger

· **H-Phrases:**

H301 Toxic if swallowed.

H317 May cause an allergic skin reaction.

· **P-Phrases:**

P264 Wash thoroughly after handling


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

P301 IF SWALLOWED:

P310 Immediately call a POISON CENTER or doctor/physician

**Acute Tox. 3**

**Skin Sens. 1**

Page 2 of 5  Print Date 03.12.2018	<b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)  Procainhydrochlorid, API	 Revision Date 03.12.2018
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### 3 Composition / information on ingredients

**CAS-No. Substance name**

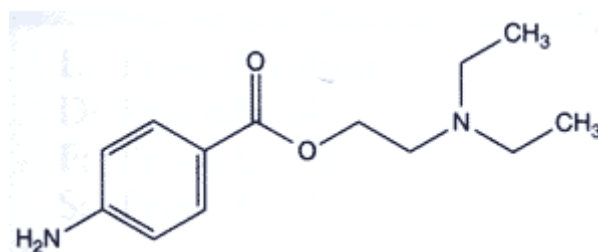
51-05-8 Procainhydrochlorid

• **EINECS-No.:** 200-077-2

• **REACH Reg. No.:** 01-2120077479-40-0000

• **INCI-Name:** -

• **Chemical characterization:**



\* HCl

### 4 First aid measures


- **General advices:** Take off contaminated clothes immediately.
- **after inhalation:** Fresh air. Seek medical advice.
- **after skin contact:** Wash away with plenty of water. Remove contaminated clothing.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open, seek medical advice, even if no immediate symptoms are observed.
- **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 gases / vapours can be released: Smoke gases, Hydrogen chloride.
- **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.

<p>Page 3 of 5</p> <p>Print Date 03.12.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Procainhydrochlorid, API</p>	 <p>Revision Date 03.12.2018</p>
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## 7 Handling and storage

- **Handling:** No special requirements.
- **Informations to fire or explosion protection:** No special measures required.
- **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 protected from light. Accessible only for professional persons.

## 8 Exposure controls / personal protective equipment

- **Personal protective equipment:**
- **General protective and hygiene measures:**  
Keep away from food, beverages and animal food.  
Take off contaminated clothes immediately.  
Wash hands before breaks and after work.
- **Respiratory protection:** Dust protection mask.
- **Hand protection:** Protection gloves.
- **Eye protection:** Safety glasses.

## 9 Physical and chemical properties

- **Form:** solid
- **Colour:** white
- **Odour:** odourless
- **Melting point / melting range:** 155 - 157 °C
- **Boiling point / boiling range:** not determined
- **Solubility in / Miscibility with**
- **Water:** (20 °C) ca. 1000 g/l
- **pH-range:** (50 g/l, 20 °C) 5,0 - 6,0
- **Additional information:** Solubility in Ethanol (20°C): 33 g/l

## 10 Stability and reactivity


- **Thermal decomposition / conditions to avoid:** Strong heating
- **Materials to avoid:** Not known
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** none

## 11 Toxicological information

**LD50** LD50 oral, mouse = 175 mg/kg;  
LD50 oral, rat = 200 mg/kg

**Carcinogenity:** Procaine hydrochloride InACGIH, IARC, NTP, or CA Prop 65 not classified as carcinogene.

- **after swallowing:** Resorption. In case of big quantities: Cramps, coma, respiratory paralysis.
- **Sensitization:** Possible with allergic manifestations for sensible persons.

<p>Page 4 of 5</p> <p>Print Date 03.12.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Procainhydrochlorid, API</p>	 <p>Revision Date 03.12.2018</p>
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- **Other information (experimental toxicology):** Physiologically high active substance.
- **Additional toxicological informations:** Further hazardous properties cannot be excluded. The usual precautions during handling of chemicals are to observe.

## 12 Ecological information

- **Ecotoxicical effects:**  
Quantitative ecotoxicological data for this product are not available.
- **Log pOW:** 0,84
- **Water hazard class:** 2 (self classification): hazardous for water.
- **General advices:** Prevent from entering into environmental waters, waste water or soil!

## 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:**
- **Proper shipping name:** Toxic solids, organic, n.o.s. (Procaine hydrochloride)
- **Class:** 6.1
- **UN-number:** 2811
- **Packing group:** III
- **Classification code:** T2
- **Limited quantities (Table 3.4.6. ADR):** LQ 9
- **Hazard classification number:** 60
- **Special provisions (Chapter 3.3 ADR):** -
- **Additional informations for sea transport IMDG:**
- **EMS-No.:** F-A, S-A
- **Properties:** -

## 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:** GHS06
- **Signal word:** Danger
- **H-Phrases:**  
H301 Toxic if swallowed.  
H317 May cause an allergic skin reaction.
- **P-Phrases:**  
P264 Wash thoroughly after handling  
P280 Wear protective gloves/protective clothing/eye protection/face protection

<p>Page 5 of 5</p> <p>Print Date 03.12.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Procainhydrochlorid, API</p>	 <p>Revision Date 03.12.2018</p>
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P301 IF SWALLOWED:

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- **National regulations (Germany):**
- **Water hazard class:** see chapter 12
- **Storage class TRGS 510:** 6.1C

## 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.