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

- **Informations to product No. 4828**
- **Product name:**

### Cocainhydrochlorid, API Cocaini 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  
H360F May damage fertility or the unborn child

- **P-Phrases:**

P262 Do not get in eyes, on skin, or on clothing  
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  
P405 Store locked up  
P501 Dispose of contents/container to dangerous wastes

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P202 Do not handle until all safety precautions have been read and understood

**Acute Tox. 3**

**Skin Sens. 1**

**Repr. 1B**

### 3 Composition / information on ingredients

**CAS-No. Substance name**

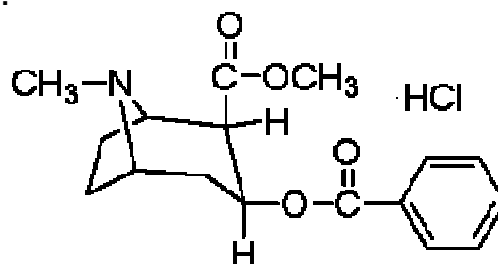
53-21-4 Cocainhydrochlorid

· **EINECS-No.:** 200-167-1

· **REACH Reg. No.:** (pre-registered)

· **INCI-Name:** -

· **Chemical characterization:**



### 4 First aid measures


- **after inhalation:** Fresh air. If feeling unwell continuously seek medical advice.
- **after skin contact:** Take off contaminated clothes and shoes, wash immediately with plenty of water and soap. If irritation continues seek medical advice immediately.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open. Seek medical advice.
- **after swallowing:** Drink plenty of water. Induce vomiting. Seek medical advice immediately.
- **Medical advice:** Anaesthetic effect.

### 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 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 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.

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## 7 Handling and storage

- **Informations to fire or explosion protection:** 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 ).
- **Advices on common storage:** TRGS 514 "Storage of toxic and very toxic substances ..."
- **Additional informations to storage conditions:** Keep container tightly closed.

## 8 Exposure controls / personal protective equipment

- **Personal protective equipment:**
- **General protective and hygiene measures:**  
Wash hands before breaks and after work. Avoid inhalation of dust. Avoid contact with eyes and skin.
- **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
- **Odour:** odourless
- **Melting point / melting range:** 195 °C
- **Boiling point / boiling range:** not determined.
- **Density:** not determined
- **Solubility in / Miscibility with**
- **Water:** readily soluble
- **pH-range:** not determined.

## 10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** No decomposition during appropriate use.
- **Hazardous reactions:** Reactions with oxidants and strong acids and bases.
- **Hazardous decomposition products:** In case of fire: Carbon monoxide und Carbon dioxide, Hydrogen chloride.

## 11 Toxicological information

- **Acute toxicity und LD/LD50-data relevant for hazard classification:**  
LD50 Intraperitoneal Rat 78 MG/KG  
LD50 Subcutane Rat 102 MG/KG  
LD50 Intravenous Rat 16,4 MG/KG  
LD50 Oral Mouse 96 mg/kg  
LD50 Intraperitoneal Mouse 68 MG/KG  
Remarks: Lungs, thorax or respiration: Cyanose, Dyspnoe.

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LD50 Subcutane Mouse 30 MG/KG

LD50 Intravenous Mouse 15 MG/KG

LD50 Intravenous Hund 21 MG/KG

Remarks: Autonomous nervous system: Sympathomimetic

LD50 Intravenous cat 10 MG/KG

LD50 Subcutane Rabbit 78 MG/KG

LD50 Intravenous Rabbit 12 MG/KG

LD50 Intratrachial Rabbit 30 MG/KG

Remarks: Behaviour: Changes in sleeping time (including changes in righting-reflex).

LD50 Subcutane guinea pig 30 MG/KG

LD50 Intravenous guinea pig 14,5 MG/KG

LD50 Subcutane mammals 125 MG/KG

• **Primary irritant effect:** Irritant effect on skin and eyes.

Eyes (rabbit) 2 % slight irritations

**SENSITIZATION** Skin: Can cause allergic reactions.

#### **SYMPTOMS AFTER EXPOSITION**

Enduring or repeated exposition can cause accustoming or addiction. Stimulation of central nervous systems, Symptoms include sympathetic hyperactivity with coincident depression of the cardiovascular system. Further symptoms after exposition can include: mydriasis and eye paralysis, euphoria, respiratory insufficiency, nervousity, hyperactivity, hypertonia, unconsciousness, paleness, respiratory paralysis arrhythmia and asystolia, convulsions and death.

#### **EXPOSITION WAYS**

Skin contact: Can cause irritations.

Absorption through skin: Can be harmful after absorption.

Eye contact: Can cause irritations.

Inhalation: Can be harmful after inhalation. Irritations of mucous membranes and upper respiratory

ways Swallowing: Toxic if swallowed.

• **Sub-acute / chronic toxicity:** There are sufficient signs that the product can impair human fertility.

In animal experiments this properties were proved.

If this substance is consumed by breast feeding women, harmful effects on the health of the child are possible.

#### **CHRONICAL EXPOSITION - MUTAGEN**

Hamster 830 MG/L tissue type: lung cytogene analysis

#### **CHRONICAL EXPOSITION - TERATOGEN**

Species: Rat Dosage: 480 MG/KG Exposition way: Oral

Exposition durance: (14-21D PREG)

Results: Effects on embryo or fetus: Extraembryonic structures (Plazenta, umbilical cord)

## **12 Ecological information**

#### • **Ecotoxic effects:**

Quantitative ecotoxicological data for this product are not available.

• **General advices:** Prevent from leaking into ground water, environment waters or drainage.


• **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:**

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- **Recommendation:** Disposal according to the local regulations.

## 14 Transport informations

- **Land transport according to ADR:**
- **Proper shipping name:** Toxic solids, organic, n.o.s., Cocaine hydrochloride
- **Class:** 6.1
- **UN-number:** 2811
- **Packing group:** III
- **Classification code:** T2
- **Limited quantities (Table 3.4.6. ADR):** 5 kg
- **Hazard classification number:** 60
- **Special provisions (Chapter 3.3 ADR):** 274, 614
- **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, GHS07, GHS08
- **Signal word:** Danger
- **H-Phrases:**  
H301 Toxic if swallowed  
H317 May cause an allergic skin reaction  
H360F May damage fertility or the unborn child
- **P-Phrases:**  
P262 Do not get in eyes, on skin, or on clothing  
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  
P405 Store locked up  
P501 Dispose of contents/container to dangerous wastes  
P202 Do not handle until all safety precautions have been read and understood
- **National regulations (Germany):**
- **Water hazard class:** see chapter 12
- **Storage class TRGS 510:** 6.1A

## 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.