


<p>Page 1 of 5</p> <p>Print Date 28.11.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Codeinphosphat-Hemihydrat, API</p>	 <p>Revision Date 28.11.2018</p>
---	---	---

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

- **Informations to product No. 4836**
- **Product name:**

### Codeinphosphat-Hemihydrat, API

- **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

H331 Toxic if inhaled

H317 Can cause allergic reactions on skin.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

H361d Suspected of damaging fertility or the unborn child

H362 May cause harm to breast-fed children

- **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

Page 2 of 5  Print Date 28.11.2018	<b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)  Codeinphosphat-Hemihydrat, API	 Revision Date 28.11.2018
--	--	---

**Acute Tox. 3**  
**Skin Sens. 1**  
**Resp. Sens. 1**  
**Repr. 2**

### 3 Composition / information on ingredients

· **Chemical characterization:**

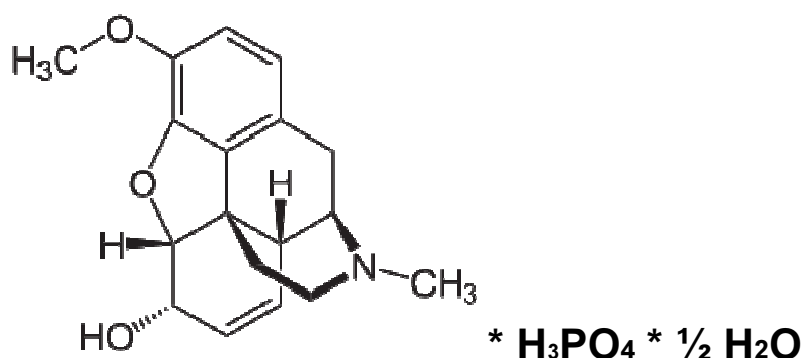
**CAS-No. Substance name**

41444-62-6 Codeinphosphat-Hemihydrat

· **EINECS-No.:** 200-137-8

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

· **INCI-Name:** -




### 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:** 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 plenty of water. Induce vomiting. 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 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.

<p>Page 3 of 5</p> <p>Print Date 28.11.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Codeinphosphat-Hemihydrat, API</p>	 <p>Revision Date 28.11.2018</p>
---	---	---

## 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:**
- **Advice on safe handling:** Wear protective equipment (See chapter 8).
- **Storage:**
- **Requirements for storage areas and containers:** Tightly closed. Store at a dry place. At room temperature ( +15°C to +25°C ). Protect from light.
- **Advices on common storage:** Not required.

## 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 latex or rubber.
- **Eye protection:** Safety glasses.

## 9 Physical and chemical properties


- **Form:** solid
- **Colour:** white crystalline powder
- **Odour:** Odourless
- **Melting point / melting range:** 235 °C
- **Boiling point / boiling range:** not determined
- **Solubility in / Miscibility with**
- **Water:** (20 °C) ca. 250g/l
- **pH-range:** (40 g/l, 20 °C) 4 - 5

## 10 Stability and reactivity

- **Hazardous decomposition products:**  
At high temperatures irritant or harmful vapours are released.

## 11 Toxicological information

- **Acute toxicity:**  
**LD/LD50-data relevant for hazard classification:**  
LDL0: (oral, Rabbit): 100 mg/kg

<p>Page 4 of 5</p> <p>Print Date 28.11.2018</p>	<p><b>Material Safety Data Sheet</b>  according to Regulation (EC) No.  1907/2006 (REACH)</p> <p>Codeinphosphat-Hemihydrat, API</p>	 <p>Revision Date 28.11.2018</p>
---	---	---

LD50: (oral, Rat): 85 mg/kg (anhydrous)  
LD50: (s.c., Rat): 81 mg/kg (Sesquihydrat)  
LD50: (i.v., Rat): 54 mg/kg (anhydrous)  
LD50: (i.m., Mouse): 191 mg/kg (anhydrous)  
LD50: (oral, Mouse): 237 mg/kg (anhydrous)  
LD50: (i.m., Rat): 208 mg/kg (Sesquihydrat)  
LD50: (i.p., Mouse): 110 mg/kg (anhydrous)  
LD50: (i.v., Mouse): 62 mg/kg (anhydrous)

• **Primary irritant effect:**

- **on skin:** Slightly irritant.
- **on eyes:** Slightly irritant.

• **Additional toxicological informations:**

Systemic effects: Illness, Respiratory insufficiency.

Causes Fatigue, Dizziness, Inconsciousness, systemisce Effects.

No indication for carcinogene effect.

Can be reproduction toxic fort he unborn child or for breast-fed children. Sensitization by inhalation or skin contact possible.

## 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:**

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

## 14 Transport informations

• **Land transport according to ADR:**

• **Proper shipping name:** Toxic solids, organic, n.o.s., Codeine

• **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:** -

Page 5 of 5  Print Date 28.11.2018	<b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)  Codeinphosphat-Hemihydrat, API	 Revision Date 28.11.2018
--	--	---

## 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

H331 Toxic if inhaled

H317 Can cause allergic reactions on skin.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

H361d Suspected of damaging fertility or the unborn child

H362 May cause harm to breast-fed children

· **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

· **Nationale Vorschriften:**

· **Wassergefährdungsklasse:** s. Kapitel 12

· **Lagerklasse TRGS510:** 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.