

Trade name: Codeine base

Substance number: 051600

Version: 1 / CH

Date revised: 28.10.2019

Replaces Version: - / CH

Print date: 28.10.19

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Codeine base

Item No. 05160007

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation

Active pharmaceutical substance, Chemical for synthesis

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible

for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4 H302

Eye Dam. 1 H318

Skin Sens. 1 H317

Lact. H362

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements

H302

Harmful if swallowed.

H318

Causes serious eye damage.

H317

May cause an allergic skin reaction.

H362

May cause harm to breast-fed children.

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Precautionary statements

P201	Obtain special instructions before use.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P263	Avoid contact during pregnancy and while nursing.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains Codeine

SECTION 3: Composition/information on ingredients**Hazardous ingredients****Codeine**

CAS No.	76-57-3		
EINECS no.	200-969-1		
Concentration	>=	83	%
Classification (Regulation (EC) No. 1272/2008)			
	Acute Tox. 4		H302
	Skin Sens. 1		H317
	Eye Dam. 1		H318
	Lact.		H362

SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

Remove the casualty into fresh air and keep him calm. Seek medical advice immediately.

After skin contact

After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, soaked clothing immediately and dispose of safely. Take medical treatment.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

After ingestion

Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Summon a doctor immediately.

4.2. Most important symptoms and effects, both acute and delayed

amentia, Dizziness, Weakness, Weak pulse, Shortness of breath, respiratory moderation, Unconsciousness

4.3. Indication of any immediate medical attention and special treatment needed**Hints for the physician / treatment**

Symptomatic treatment and giving of Antidot. Naloxon (Narcanti) i.v. + s.c.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Water spray jet, Foam, Dry chemical extinguisher, Carbon dioxide

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Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixtureNitrogen oxides (NO_x)**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

Use self-contained breathing apparatus. Use personal protective clothing.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Use personal protective clothing.

6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning up

Avoid raising dust. Take up mechanically and collect in suitable container for disposal. Provide adequate ventilation. Rinse away rest with plenty of water.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Provide suitable exhaust ventilation at processing machines. Avoid inhaling dusts/ billows/ steams. Avoid skin and eye contact. Take action to prevent static discharges.

7.2. Conditions for safe storage, including any incompatibilities**Storage classes**

Storage class according to TRGS 510	6.1C	Combustible substances of acute toxicity, category 3 / hazardous substances that are toxic or produce chronic effects
Storage category (Switzerland)	8	Caustic and corrosive substances

Further information on storage conditions

Protect from light. Keep locked up and out of the reach of children.

7.3. Specific end use(s)

Active pharmaceutical substance; Chemical for synthesis

SECTION 8: Exposure controls/personal protection**8.2. Exposure controls****Respiratory protection**

Dust mask

Hand protection

necessary

Eye protection

Safety glasses with side protection shield

Body protection

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protective overalls

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Crystalline powder		
Colour	white		
Odour	odourless		
pH value			
Value	>	9	
Temperature		20	°C
Remarks	Saturated solution		
Melting point			
Value	154	to	156 °C
Initial boiling point and boiling range			
Value	250	°C	
Flash point			
Value	76	°C	
Vapour pressure			
Value	49.86	to	55.40 mmHg
Density			
Value	1.32	g/cm ³	
Remarks	Relative Density according specification		
Solubility in water			
Value	appr. 8	g/l	
Solubility(ies)			
Ethanol			
Value	appr. 500	g/l	
Partition coefficient: n-octanol/water			
log Pow	1.14		
Auto-ignition temperature			
Value	75	°C	

SECTION 10: Stability and reactivity

10.1. Reactivity

No decomposition if stored and applied as directed.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

Nitrogen oxides (NO_x)

10.4. Conditions to avoid

No decomposition if stored and applied as directed. Protect from light and atmospheric moisture.

10.5. Incompatible materials

Oxidising agents, Alkalies

10.6. Hazardous decomposition products

nitrous oxides (NO_x), Toxic gases/vapours

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

ATE	250	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute oral toxicity (Components)

Codeine

Species	mouse	
LD50	250	mg/kg
Remarks	anhydrous	
Source	RTECS	

Codeine

Species	rat	
LD50	427	mg/kg
Remarks	anhydrous	
Source	RTECS	

Skin corrosion/irritation (Components)

Codeine

evaluation	non-irritant
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Serious eye damage/irritation (Components)

Codeine

evaluation	irritant - risk of serious damage to eyes
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Sensitization (Components)

Codeine

evaluation	sensitizing
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Reproduction toxicity (Components)

Codeine

evaluation	May cause harm to breast-fed children.
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Carcinogenicity (Components)

Codeine

evaluation	No indications of carcinogenic effects are available from long-term trials.
Remarks	negative on animals

SECTION 12: Ecological information

12.1. Toxicity

Daphnia toxicity (Components)

Codeine

Species	Daphnia pulex	
EC50	63	mg/l
Duration of exposure	24	h

12.2. Persistence and degradability

Biodegradability

Reference substance	Codeine
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12.3. Bioaccumulative potential

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Partition coefficient: n-octanol/water

log Pow 1.14




SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Dispose of as unused product.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	E		
14.1. UN number	1544	1544	1544
14.2. UN proper shipping name	ALKALOIDS, SOLID, N.O.S. (Codeine)	ALKALOIDS, SOLID, N.O.S. (Codeine)	ALKALOIDS, SOLID, N.O.S. (Codeine)
14.3. Transport hazard class(es)	6.1	6.1	6.1
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 kg		
Transport category	2		

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Germany)**

Water Hazard Class (Germany) WGK 3

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

SECTION 16: Other information**Hazard statements listed in Chapter 3**

H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
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CLP categories listed in Chapter 3

Acute Tox. 4	Acute toxicity, Category 4
Eye Dam. 1	Serious eye damage, Category 1
Lact.	Reproductive toxicity, Lactation
Skin Sens. 1	Skin sensitization, Category 1

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.