

Trade name: Codeini phosphas hemihydricus

Substance number: 051500

Version: 5 / CH

Date revised: 03.05.2021

Replaces Version: 4 / CH

Print date: 03.05.21

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

1.1. Product identifier

Codeini phosphas hemihydricus

Item No. 05150000

Registration no.

Registration no. EXCEMPT

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

Use of the substance/preparation

Narcotic analgesic, antitussive, opioid, Active pharmaceutical substance

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. 3	H301
Resp. Sens. 1	H334
Skin Sens. 1	H317
Repr. 2	H361d

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

H301

Toxic if swallowed.

H334

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

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H317 May cause an allergic skin reaction.
H361d Suspected of damaging the unborn child.

Precautionary statements

P201 Obtain special instructions before use.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P284 [In case of inadequate ventilation] wear respiratory protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P308+P313 IF exposed or concerned: Get medicinal advice/attention.
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

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

contains 7,8-Didehydro-4,5alpha-epoxy-3-methoxy-17-methylmorphinan-6alpha-ol phosphate (1:1) (salt) hemihydrate

SECTION 3: Composition/information on ingredients**Molecular weight**

Value	406.4	g/mol
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Hazardous ingredients**7,8-Didehydro-4,5alpha-epoxy-3-methoxy-17-methylmorphinan-6alpha-ol phosphate (1:1) (salt) hemihydrate**

CAS No.	41444-62-6	
EINECS no.	639-473-9	
Registration no.	EXCEMPT	
Concentration	>= 69	%
Classification (Regulation (EC) No. 1272/2008)	Acute Tox. 3	H301
	Skin Sens. 1	H317
	Resp. Sens. 1	H334
	Repr. 2	H361d

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Take off contaminated clothing and shoes immediately.

After inhalation

Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration. Summon a doctor immediately. Keep warm and at rest. If necessary, give oxygen

After skin contact

Wash off immediately with soap and water and rinse well. Remove contaminated, soaked clothing immediately and dispose of safely. Seek medical advice immediately.

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Summon a doctor immediately.

After ingestion

Rinse out mouth and give plenty of water to drink. Never give anything by mouth to an unconscious person. Summon a doctor immediately.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, Dry powder, Water spray jet, Carbon dioxide

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

The product is combustible. In the event of fire the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO); In the event of a fire, toxic and combustible gases can be formed.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus. Wear protective clothing.

Other information

Do not inhale explosions- and combustion gases. Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Refer to protective measures listed in Sections 7 and 8. Avoid contact with skin, eyes and clothing. Avoid dust formation. Ensure adequate ventilation.

6.2. Environmental precautions

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

Pick up mechanically. Rinse away rest with water. When picked up, treat material as prescribed under Section 13 "Disposal".

6.4. Reference to other sections

Information regarding personal protective measures, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Smoking, eating and drinking should be prohibited in application area. For personal protection see Section 8.

Advice on protection against fire and explosion

Dust can form an explosive mixture with air. Take action to prevent static discharges. Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Always keep in containers of same material as the original one.

Hints on storage assembly

None known

Storage classes

Storage class according to TRGS 510 6.1D Non-combustible substances of acute

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Storage category (Switzerland)

6.1

toxicity, category 3 / hazardous
 substances that are toxic or produce
 chronic effects
 Toxic substances

Further information on storage conditions

Keep container tightly closed in a cool, well-ventilated place. Protect from direct sunlight. Protect against wetness.

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

Short term: filter apparatus, Filter P3; At intensive and longer exposition use self-contained breathing apparatus.

Hand protection

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

Eye protection

Tightly fitting safety glasses

Body protection

Clothing as usual in the chemical industry.

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	5		
Concentration/H ₂ O	10	g/l	
Temperature	20	°C	
Melting point			
Value	appr. 228		°C
Initial boiling point and boiling range			
Value	appr. 462		°C
Flash point			
Value	233		°C
Vapour pressure			
Remarks	No data available		
Solubility in water			
Remarks	completely soluble		
Efflux time			
Remarks	No data available		

SECTION 10: Stability and reactivity**10.1. Reactivity**

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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

No decomposition if stored and applied as directed.

10.4. Conditions to avoid

Keep away from sources of heat and ignition.

10.5. Incompatible materials

Strong oxidising agents

10.6. Hazardous decomposition products

nitrous oxides (NO_x), Carbon monoxide and carbon dioxide, Phosphorus oxides (e.g. P₂O₅)

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**

ATE	209	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute oral toxicity (Components)**7,8-Didehydro-4,5alpha-epoxy-3-methoxy-17-methylmorphinan-6alpha-ol phosphate (1:1) (salt) hemihydrate**

Species	rat	
LD50	209	mg/kg

Acute dermal toxicity (Components)**7,8-Didehydro-4,5alpha-epoxy-3-methoxy-17-methylmorphinan-6alpha-ol phosphate (1:1) (salt) hemihydrate**

Remarks	Harmful by inhalation.
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Serious eye damage/irritation

Remarks	Irritates the eyes.
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Sensitization (Components)**7,8-Didehydro-4,5alpha-epoxy-3-methoxy-17-methylmorphinan-6alpha-ol phosphate (1:1) (salt) hemihydrate**

Remarks	May cause allergic skin reactions.
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7,8-Didehydro-4,5alpha-epoxy-3-methoxy-17-methylmorphinan-6alpha-ol phosphate (1:1) (salt) hemihydrate

Remarks	May cause allergic reactions of respiratory system.
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Reproduction toxicity (Components)**7,8-Didehydro-4,5alpha-epoxy-3-methoxy-17-methylmorphinan-6alpha-ol phosphate (1:1) (salt) hemihydrate**

evaluation	Suspected of damaging fertility or the unborn child.
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Carcinogenicity

Remarks	No evidence available on carcinogenicity.
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Experience in practice

May cause sensitization by inhalation and skin contact. May cause nausea/ vomiting/ asthma. May lead to nausea, headache, drowsiness and dizziness. Possible risk of harm to the unborn child. May cause harm to breastfed babies.

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SECTION 12: Ecological information

12.1. Toxicity

General information

No data available

12.2. Persistence and degradability

General information

No data available

12.4. Mobility in soil

General information

No data available

12.5. Results of PBT and vPvB assessment

General information

No data available

12.6. Other adverse effects

General information

No data available

General information / ecology

Warning - substance not yet fully tested. Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

EWC waste code 07 05 13* solid wastes containing dangerous substances
In accordance with regulations for special waste, must be taken, after pretreatment, to an authorised special waste incineration plant.

Disposal recommendations for packaging

Dispose of as unused product.

SECTION 14: Transport information

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	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. (7,8-Didehydro-4,5alpha-epoxy-3-methoxy-17-methylmorphinan-6alpha-ol phosphate (1:1) (salt) hemihydrate)	ALKALOIDS, SOLID, N.O.S. (7,8-Didehydro-4,5alpha-epoxy-3-methoxy-17-methylmorphinan-6alpha-ol phosphate (1:1) (salt) hemihydrate)	ALKALOIDS, SOLID, N.O.S. (7,8-Didehydro-4,5alpha-epoxy-3-methoxy-17-methylmorphinan-6alpha-ol phosphate (1:1) (salt) hemihydrate)
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

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Hazard statements listed in Chapter 3

H301 Toxic if swallowed.
 H317 May cause an allergic skin reaction.
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H361d Suspected of damaging the unborn child.

CLP categories listed in Chapter 3

Acute Tox. 3 Acute toxicity, Category 3
 Repr. 2 Reproductive toxicity, Category 2
 Resp. Sens. 1 Respiratory sensitization, Category 1
 Skin Sens. 1 Skin sensitization, Category 1

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***

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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.