

Trade name: Creosoti sirupus compositus

Substance number: 144655

Version: 1 / CH

Date revised: 16.06.2022

Replaces Version: - / CH

Print date: 16.06.22

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

### **1.1. Product identifier**

Creosoti sirupus compositus

Item No. 14465500

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

#### **Use of the substance/preparation**

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**

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

### **2.2. Label elements**

#### **Labelling according to regulation (EC) No 1272/2008**

The product does not require a hazard warning label in accordance with Regulation (EC) No 1272/2008.

EUH208 Contains 7,8-Didehydro-4,5alpha-epoxy-3-methoxy-17-methylmorphinan-6alpha-ol phosphate (1:1) (salt) hemihydrate, May produce an allergic reaction.

#### **Supplemental information**

EUH210

Safety data sheet available on request.

### **2.3. Other hazards**

No special hazards have to be mentioned.

## **SECTION 3: Composition/information on ingredients**

### **Chemical characterization**

Extract of herbal drugs

### **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 &gt;= 0.1 &lt; 1 %

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

Acute Tox. 3

H301

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

**Further ingredients****Sucrose**

CAS No.	57-50-1				
EINECS no.	200-334-9				
Concentration		>=	50		%
Advice: [4]					

**water**

CAS No.	7732-18-5				
EINECS no.	231-791-2				
Concentration		>=	25	<	50 %
Advice: [4]					

**Calcium (S)-2-hydroxypropionate**

CAS No.	28305-25-1				
EINECS no.	248-953-3				
Registration no.	01-2119971047-3-5-0000				
Concentration		>=	1	<	10 %
Advice: [4]					

**ethanol**

CAS No.	64-17-5				
EINECS no.	200-578-6				
Concentration				<	1 %
Advice: [4]					
Classification (Regulation (EC) No. 1272/2008)					
	Flam. Liq. 2				H225

**guaiacol**

CAS No.	90-05-1				
EINECS no.	201-964-7				
Concentration				<	1 %
Advice: [4]					
Classification (Regulation (EC) No. 1272/2008)					
	Acute Tox. 4				H302
	Skin Irrit. 2				H315
	Eye Irrit. 2				H319

**Sodium chloride**

CAS No.	7647-14-5				
EINECS no.	231-598-3				
Concentration				<	1 %
Advice: [4]					

**methyl 4-hydroxybenzoate**

CAS No.	99-76-3				
EINECS no.	202-785-7				
Registration no.	01-2119463264-40				
Concentration				<	1 %
Advice: [4]					

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Classification (Regulation (EC) No. 1272/2008)  
 Aquatic Chronic 2 H411

**phosphoric acid ... %**

CAS No. 7664-38-2

EINECS no. 231-633-2

Registration no. 01-2119485924-24

Concentration &lt; 1 %

Advice: [4]

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

Met. Corr. 1 H290

Acute Tox. 4 H302

Skin Corr. 1B H314

Eye Dam. 1 H318

Concentration limits (Regulation (EC) No. 1272/2008)

Eye Irrit. 2 H319  $\geq 10 < 25$ Skin Corr. 1B H314  $\geq 25$ Skin Irrit. 2 H315  $\geq 10 < 25$ 

CLP Regulation (EC) No 1272/2008, Annex VI, Note B

**Note**

[4] Voluntary information

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

In case of persistent symptoms consult doctor.

**After inhalation**

Ensure supply of fresh air. In the event of symptoms take medical treatment.

**After skin contact**

In case of contact with skin wash off with warm water. Consult a doctor if skin irritation persists.

**After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an oculist.

**After ingestion**

Rinse out mouth and give plenty of water to drink.

**Adhere to personal protective measures when giving first aid**

First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

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

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

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

Foam, Carbon dioxide, Dry powder, Water spray jet

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### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighting

In case of combustion use a suitable breathing apparatus.

## **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment

### 6.2. Environmental precautions

Do not allow to enter drains or waterways.

### 6.3. Methods and material for containment and cleaning up

Pick up with absorbent material. Clean contaminated floors and objects thoroughly, observing environmental regulations.

### 6.4. Reference to other sections

Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8.

## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

#### Advice on safe handling

Observe the usual precautions for handling chemicals.

#### Advice on protection against fire and explosion

No special measures required.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Store product in closed containers.

#### Hints on storage assembly

Do not store together with foodstuffs.

#### Storage classes

Storage class according to TRGS 510      12                      Non-combustible liquids

#### Further information on storage conditions

Keep container tightly closed and dry.

## **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

#### Other information

Contains no substances with occupational exposure limit values.

### 8.2. Exposure controls

#### General protective and hygiene measures

Observe the usual precautions for handling chemicals.

#### Respiratory protection

Not necessary, but do not inhale vapours. If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn.

#### Hand protection

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Appropriate Material neoprene

**Eye protection**

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****Odour threshold**

Remarks not determined

**pH value**

Value 4.0 to 5.0

**Melting point**

Remarks not determined

**Freezing point**

Remarks not determined

**Initial boiling point and boiling range**

Remarks not determined

**Flash point**

Value °C

Remarks Not applicable

**Evaporation rate (ether = 1) :**

Remarks not determined

**Flammability (solid, gas)**

not determined

**Upper/lower flammability or explosive limits**

Remarks not determined

**Vapour pressure**

Value kPa

Temperature 20 °C

Remarks No data available

**Vapour density**

Remarks not determined

**Density**Value 1.290 to 1.320 g/cm<sup>3</sup>

Remarks Relative Density according specification

**Solubility in water**

Remarks not determined

**Solubility(ies)**

Remarks not determined

**Partition coefficient: n-octanol/water**

Remarks not determined

**Ignition temperature**

Remarks not determined

**Decomposition temperature**

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Remarks not determined

**Viscosity**

Remarks not determined

**Explosive properties**

evaluation not determined

**Oxidising properties**

Remarks not determined

**9.2. Other information****Other information**

None known

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

No dangerous reactions known.

**10.2. Chemical stability**

No decomposition if stored and applied as directed.

**10.3. Possibility of hazardous reactions**

No hazardous reactions known.

**10.4. Conditions to avoid**

No hazardous reactions known.

**10.5. Incompatible materials**

None known

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

ATE	>	10'000	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

**methyl 4-hydroxybenzoate**

Species	rat		
LD50		2100	mg/kg
Method	OECD 401		

**Sodium chloride**

Species	rat		
LD50		3550	mg/kg

**ethanol**

Species	rat		
LD50		7060	mg/kg
Source	Toxicology and Applied Pharmacology. Vol. 16, Pg. 718, 1970.		

**ethanol**

Species	rat		
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LD50 10470 mg/kg

**phosphoric acid ... %**

Species

rat

LC50

1530

mg/kg

Source

BIOFAX Industrial Bio-Test Laboratories, Inc., Data Sheets. Vol 17-4/1970

**Calcium (S)-2-hydroxypropionate**

Remarks

No data available

**Acute dermal toxicity**

Remarks

not determined

**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.

**Sodium chloride**

Species

rabbit

LD50

&gt; 10000

mg/kg

**ethanol**

Species

rabbit

LD50

15800

mg/kg

**phosphoric acid ... %**

Species

rabbit

LD50

2740

Source

BIOFAX Industrial Bio-Test Laboratories, Inc., Data Sheets. Vol. 17-4/1970

**Calcium (S)-2-hydroxypropionate**

Remarks

No data available

**Acute inhalational toxicity**

Remarks

not determined

**Acute inhalative toxicity (Components)****Sodium chloride**

Species

rat

LC50

&gt; 42000

mg/m<sup>3</sup>

Duration of exposure

1

h

**ethanol**

Species

rat

LC50

30000

mg/m<sup>3</sup>

Duration of exposure

4

h

Administration/Form

Vapors

**Calcium (S)-2-hydroxypropionate**

Species

rat

LC50

&gt; 7.94

mg/l

Duration of exposure

4

h

**Skin corrosion/irritation**

Remarks

not determined

**Skin corrosion/irritation (Components)****methyl 4-hydroxybenzoate**

Species

rabbit

Duration of exposure

24

h

Observation Period

72

h

evaluation

Moderately irritating

Method

Draize method

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**Sodium chloride**

Remarks No data available.

**ethanol**

evaluation non-irritant

**phosphoric acid ... %**

evaluation corrosive

**Calcium (S)-2-hydroxypropionate**

Remarks No data available

**Serious eye damage/irritation**

Remarks not determined

**Serious eye damage/irritation (Components)****methyl 4-hydroxybenzoate**

Species rabbit  
 Observation Period 48 h  
 evaluation Moderately irritating  
 Method Draize method

**Sodium chloride**

Remarks No data available.

**ethanol**

evaluation irritant

**phosphoric acid ... %**

evaluation corrosive

**Calcium (S)-2-hydroxypropionate**

Species rabbit  
 evaluation non-irritant  
 Method OECD 405

**Sensitization**

Remarks not determined

**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.

**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.

**methyl 4-hydroxybenzoate**

Species guinea pig  
 evaluation non-sensitizing  
 Method OECD 406

**Sodium chloride**

Remarks No data available.

**Calcium (S)-2-hydroxypropionate**

Remarks No data available

**Subacute, subchronic, chronic toxicity**

Remarks not determined

**Subacute, subchronic, chronic toxicity (Components)****methyl 4-hydroxybenzoate**

Species rat  
 NOAEL >= 250 mg/kg  
 Duration of exposure 28 d



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**Sodium chloride**

Remarks No data available.

**Mutagenicity**

Remarks not determined

**Mutagenicity (Components)****methyl 4-hydroxybenzoate**evaluation No mutagenicity according to various in vitro tests.  
Method OECD 471**Sodium chloride**

Remarks No data available.

**ethanol**

evaluation No mutagenicity in the Ames-test.

**Calcium (S)-2-hydroxypropionate**

Remarks No data available

**Reproductive toxicity**

Remarks not determined

**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.

**Sodium chloride**

Remarks No data available

**Calcium (S)-2-hydroxypropionate**

Remarks No data available

**Carcinogenicity**

Remarks not determined

**Carcinogenicity (Components)****Sodium chloride**

Remarks No data available

**Calcium (S)-2-hydroxypropionate**

Remarks No evidence available on carcinogenicity.

**Specific Target Organ Toxicity (STOT) (Components)****Calcium (S)-2-hydroxypropionate**

Remarks No data available

**Other information**

No toxicological data are available.

**SECTION 12: Ecological information****12.1. Toxicity****General information**

not determined

**Fish toxicity (Components)****methyl 4-hydroxybenzoate**Species golden orfe (*Leuciscus idus*)  
NOEC 50 mg/l  
Duration of exposure 48 h**methyl 4-hydroxybenzoate**

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Species	Oryzias latipes		
LC50	59.5		mg/l
Duration of exposure	96	h	
Method	OECD 203		

**Sodium chloride**

Species	Bluegill (Lepomis macrochirus)		
LC50	5840		mg/l
Duration of exposure	96	h	

**Daphnia toxicity (Components)****methyl 4-hydroxybenzoate**

Species	Daphnia magna		
NOEC	0.2		mg/l
Duration of exposure	21	d	
Method	OECD 211		

**methyl 4-hydroxybenzoate**

Species	Daphnia magna		
EC50	11.2		mg/l
Duration of exposure	48	h	

**Sodium chloride**

Species	Daphnia		
NOEC	1500		mg/l
Duration of exposure	7	d	

**Sodium chloride**

Species	Daphnia magna		
LC50	1661		mg/l
Duration of exposure	48	h	

**phosphoric acid ... %**

Species	Daphnia magna		
EC50	> 100		mg/l
Duration of exposure	48	h	
Source	ECHA		

**Algae toxicity (Components)****methyl 4-hydroxybenzoate**

Species	Desmodesmus subspicatus		
EC50	91		mg/l
Duration of exposure	72	h	

**methyl 4-hydroxybenzoate**

NOEC	17		mg/l
Duration of exposure	72	h	
Method	OECD 201		

**Sodium chloride**

Remarks	No data available.
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**phosphoric acid ... %**

Species	Desmodesmus subspicatus		
ErC50	> 100		mg/l
Source	ECHA		

**Bacteria toxicity (Components)****Sodium chloride**

Remarks	No data available.
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**12.2. Persistence and degradability****General information**

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not determined

**Physico-chemical eliminability (Components)****Sodium chloride**

Remarks No data available.

**Biodegradability (Components)****methyl 4-hydroxybenzoate**

Value	92.2	%
Duration of test evaluation	28 d	
Method	Readily biodegradable OECD 301F	

**methyl 4-hydroxybenzoate**

Value	89	%
Duration of test evaluation	28 d	
Method	Readily biodegradable OECD 301 B	

**ethanol**

evaluation Readily biodegradable

**Chemical oxygen demand (COD) (Components)****ethanol**

Value 0.93 to 1.67 mg/g

**12.3. Bioaccumulative potential****General information**

not determined

**Partition coefficient: n-octanol/water**

Remarks not determined

**Octanol/water partition coefficient (log Pow) (Components)****methyl 4-hydroxybenzoate**

log Pow 1.98

**Bioconcentration factor (BCF) (Components)****ethanol**

BCF 0.66

**12.4. Mobility in soil****General information**

not determined

**Mobility in soil (Components)****methyl 4-hydroxybenzoate**

Highly mobile in soils

**12.5. Results of PBT and vPvB assessment****General information**

not determined

**12.6. Other adverse effects****General information**

not determined

**General information / ecology**

Do not discharge product unmonitored into the environment.

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## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

#### **Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

#### **Disposal recommendations for packaging**

Packaging that cannot be cleaned should be disposed off as product waste.

## **SECTION 14: Transport information**

	<b>Land transport ADR/RID</b>	<b>Marine transport IMDG/GGVSee</b>	<b>Air transport ICAO/IATA</b>
<b>14.1. UN number</b>	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

## **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 preparation 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: \*\*\*  
 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.