

Trade name: Pini turionis sirupus

Substance number: 145401

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**

Pini turionis sirupus

Item No. 14540100

### **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**

Voluntary product information following the Safety Data Sheet format

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.

### **2.3. Other hazards**

No special hazards have to be mentioned.

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

### **Chemical characterization**

Extract of herbal drugs

### **Further ingredients**

#### **Sucrose**

CAS No. 57-50-1

EINECS no. 200-334-9

Concentration &gt;= 50 %

Advice: [4]

#### **water**

CAS No. 7732-18-5

EINECS no. 231-791-2

Concentration &gt;= 25 &lt; 50 %

Advice: [4]

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**ethanol**

CAS No.	64-17-5				
EINECS no.	200-578-6				
Concentration	>=	1	<	10	%
Advice:	[4]				
Classification (Regulation (EC) No. 1272/2008)	Flam. Liq. 2		H225		

**Glycerol**

CAS No.	56-81-5				
EINECS no.	200-289-5				
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]				
Classification (Regulation (EC) No. 1272/2008)	Aquatic Chronic 2		H411		

**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**

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**5.1. Extinguishing media****Suitable extinguishing media**

Foam, Carbon dioxide, Dry powder, Water spray jet

**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****Exposure limit values****ethanol**

List	SUVA			
Type	MAK			
Value	960	mg/m <sup>3</sup>	500	ppm(V)
Short term exposure limit	1920	mg/m <sup>3</sup>	1000	ppm(V)
Pregnancy group: S; Remarks: SSc; OAW, FormalKT HU; INRS, NIOSH				

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**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**

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**

<b>Form</b>	liquid, clear
<b>Colour</b>	light yellow
<b>Odour</b>	characteristic
<b>Form</b>	liquid, clear

**Odour threshold**

Remarks                                      not determined

**pH value**

Remarks                                      not determined

**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**

Remarks                                      Not applicable

**Vapour density**

Remarks                                      not determined

**Density**

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Value	1.25	to	1.29	g/ml
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**

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**

Remarks not determined

**Acute oral toxicity (Components)****methyl 4-hydroxybenzoate**

Species	rat		
LD50		2100	mg/kg
Method	OECD 401		

**ethanol**

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

**ethanol**

Species rat  
LD50 10470 mg/kg

**Glycerol**

Species rat  
LD50 12600 mg/kg

**Glycerol**

Species rat  
NOAEL 1310 mg/kg

**Glycerol**

Species rat  
LD50 27200 mg/kg

**Acute dermal toxicity**

Remarks not determined

**Acute dermal toxicity (Components)**

**ethanol**

Species rabbit  
LD50 15800 mg/kg

**Glycerol**

Species guinea pig  
LD50 56750 mg/kg

**Acute inhalational toxicity**

Remarks not determined

**Acute inhalative toxicity (Components)**

**ethanol**

Species rat  
LC50 30000 mg/m<sup>3</sup>  
Duration of exposure 4 h  
Administration/Form Vapors

**Glycerol**

Remarks No data available

**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

**ethanol**

evaluation non-irritant

**Glycerol**

Species rabbit  
Duration of exposure 24 h  
evaluation slightly irritant

**Serious eye damage/irritation**

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Remarks not determined

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

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

**ethanol**

evaluation	irritant
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**Glycerol**

Species	rabbit
Duration of exposure	24 h
evaluation	slightly irritant

**Sensitization**

Remarks not determined

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

Species	guinea pig
evaluation	non-sensitizing
Method	OECD 406

**Glycerol**

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

**Glycerol**

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

**ethanol**

evaluation	No mutagenicity in the Ames-test.
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**Glycerol**

evaluation	No experimental information on genotoxicity in vitro available.
Method	OECD 471

**Glycerol**

evaluation	No experimental information on genotoxicity in vitro available.
Method	OECD 476

**Reproductive toxicity**

Remarks not determined

**Reproduction toxicity (Components)****Glycerol**

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Remarks Based on available data, the classification criteria are not met.

**Carcinogenicity**

Remarks not determined

**Carcinogenicity (Components)****Glycerol**

Remarks Based on available data, the classification criteria are not met.

**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 ( <i>Leuciscus idus</i> )		
NOEC	50		mg/l
Duration of exposure	48	h	

**methyl 4-hydroxybenzoate**

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

**Glycerol**

Medi an	68100		mg/l
Duration of exposure	96	h	

**Glycerol**

Species	rainbow trout ( <i>Oncorhynchus mykiss</i> )		
LC50	54		g/l
Duration of exposure	96	h	

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

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

**methyl 4-hydroxybenzoate**

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

**Glycerol**

Species	<i>Daphnia</i>		
EC50	> 10		g/l
Duration of exposure	24	h	

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

Species	<i>Desmodesmus subspicatus</i>		
EC50	91		mg/l



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Duration of exposure	72	h	
<b>methyl 4-hydroxybenzoate</b>			
NOEC	17		mg/l
Duration of exposure	72	h	
Method	OECD 201		

**Bacteria toxicity (Components)****Glycerol**

Species	Pseudomonas putida		
EC5	> 10		g/l
Duration of exposure	16	h	

**12.2. Persistence and degradability****General information**

not determined

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

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

**methyl 4-hydroxybenzoate**

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

**ethanol**

evaluation Readily biodegradable

**Glycerol**

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

**Glycerol**log Pow -1.76  
Source GESTIS-Stoffdatenbank**Bioconcentration factor (BCF) (Components)****ethanol**

BCF 0.66

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

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not determined

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

Highly mobile in soils

**Glycerol**

Slightly 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.

**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**

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	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 1

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****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.