

Trade name: Benzois tonkinensis tinctura

Substance number: 251251

Version: 4 / CH

Date revised: 17.12.2018

Replaces Version: 3 / CH

Print date: 04.10.19

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

### **1.1. Product identifier**

Benzois tonkinensis tinctura

Item No. 25125100

### **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)

Flam. Liq. 2

H225

### **2.2. Label elements**

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

##### **Hazard pictograms**



##### **Signal word**

Danger

##### **Hazard statements**

H225 Highly flammable liquid and vapour.

##### **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P243 Take action to prevent static discharges.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P370+P378.1 In case of fire: Use water spray/jet, carbon dioxide, alcohol-resistant foam or dry powder for extinction.

P403+P235 Store in a well-ventilated place. Keep cool.

### **2.3. Other hazards**

In use, may form flammable/explosive vapour-air mixture. Repeated exposure may cause skin dryness or cracking. Irritating to eyes, respiratory system and skin.

Trade name: Benzois tonkinensis tinctura

Substance number: 251251

Version: 4 / CH

Date revised: 17.12.2018

Replaces Version: 3 / CH

Print date: 04.10.19

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

### **3.2. Mixtures**

#### **Chemical characterization**

Benzois tonkinensis tinctura

#### **Further ingredients**

##### **Ethanol**

CAS No. 64-17-5

EINECS no. 200-578-6

Advice: [4]

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

Flam. Liq. 2

H225

#### **Note**

[4] Voluntary information

## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

#### **After inhalation**

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

#### **After skin contact**

Wash immediately with plenty of water for several minutes. Consult a doctor if skin irritation persists.

#### **After eye contact**

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

#### **After ingestion**

Do not induce vomiting - aspiration hazard. Summon a doctor immediately.

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

Headache, Dizziness, Dizziness, Unconsciousness, Nausea

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Carbon dioxide, Dry powder, Water spray jet, Extinguish greater fire with water spray or alcohol-resistant foam.

#### **Non suitable extinguishing media**

Full water jet

### **5.2. Special hazards arising from the substance or mixture**

In case of fires, hazardous combustion gases are formed; Carbon monoxide (CO); Carbon dioxide (CO<sub>2</sub>)

### **5.3. Advice for firefighters**

#### **Special protective equipment for fire-fighting**

Use self-contained breathing apparatus.

#### **Other information**

Cool endangered containers with water spray jet.

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

Trade name: Benzois tonkinensis tinctura

Substance number: 251251

Version: 4 / CH

Date revised: 17.12.2018

Replaces Version: 3 / CH

Print date: 04.10.19

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

Use personal protective clothing. Remove persons to safety. Ensure adequate ventilation. Keep away sources of ignition.

**6.2. Environmental precautions**

Dilute with lot of water. 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 with absorbent material (eg sand, kieselgur, acid binder, universal binder, sawdust).

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

Provide good ventilation of working area (local exhaust ventilation if necessary).

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking. Take action to prevent static discharges.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep tightly closed in a dry and cool place.

**Further information on storage conditions**

Product is hygroscopic. Store only in the open air or in explosion-proof rooms.

**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; Status: 2017; Remarks: SSc; OAW, FormalKT HU; INRS, NIOSH				

**8.2. Exposure controls****General protective and hygiene measures**

Wash hands before breaks and after work.

**Respiratory protection**

Not necessary, but do not inhale vapours.

**Hand protection**

impermeable gloves

**Eye protection**

Tightly fitting safety glasses

**Body protection**

Fire-resistant protective clothing

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Trade name: Benzois tonkinensis tinctura

Substance number: 251251

Version: 4 / CH

Date revised: 17.12.2018

Replaces Version: 3 / CH

Print date: 04.10.19

<b>Form</b>	liquid
<b>Colour</b>	yellow to orange
<b>Odour</b>	characteristic
<b>Initial boiling point and boiling range</b>	
Value	>= 78 °C
Source	GESTIS-Stoffdatenbank
<b>Flash point</b>	
Value	13 to 22 °C
Source	GESTIS-Stoffdatenbank
<b>Vapour pressure</b>	
Value	<= to 5.8 kPa
Source	GESTIS-Stoffdatenbank
<b>Density</b>	
Value	0.84 to 0.87
<b>Decomposition temperature</b>	
Remarks	No decomposition if used as prescribed.

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

Risk of ignition or formation of inflammable gases or vapours with: Air

### **10.2. Chemical stability**

No decomposition if stored and applied as directed.

### **10.3. Possibility of hazardous reactions**

Possible incompatibility with materials listed under section 10.5.

### **10.4. Conditions to avoid**

Keep away from sources of heat and ignition.

### **10.5. Incompatible materials**

Reactions with strong oxidising agents. Reactions with strong acids. Reactions with earth alkali metals. Reactions with alkali metals.

### **10.6. Hazardous decomposition products**

In the event of fire the following can be released: Carbon monoxide and carbon dioxide, Hazardous decomposition products: Flammable gases/vapours

## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

#### **Acute oral toxicity (Components)**

##### **Ethanol**

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

##### **Ethanol**

Species	rat	
LD50	10470	mg/kg

#### **Acute dermal toxicity (Components)**

##### **Ethanol**

Species	rabbit
---------	--------

Trade name: Benzois tonkinensis tinctura

Substance number: 251251

Version: 4 / CH

Date revised: 17.12.2018

Replaces Version: 3 / CH

Print date: 04.10.19

LD50 15800 mg/kg

**Acute inhalative toxicity (Components)****Ethanol**

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

**Skin corrosion/irritation (Components)****Ethanol**

evaluation non-irritant

**Serious eye damage/irritation (Components)****Ethanol**

evaluation irritant

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

There is no data available on the product apart from the information given in this subsection.

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

There is no data available on the product apart from the information given in this subsection.

**Biodegradability (Components)****Ethanol**

evaluation Readily biodegradable

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

Value 0.93 to 1.67 mg/g

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

There is no data available on the product apart from the information given in this subsection.

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

There is no data available on the product apart from the information given in this subsection.

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

There is no data available on the product apart from the information given in this subsection.

**Evaluation of persistence and bioaccumulation potential (Components)****Ethanol**

The Substance doesn't meets PBT/vPvB-criterions

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

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. The product is easily volatile.

Trade name: Benzois tonkinensis tinctura

Substance number: 251251

Version: 4 / CH

Date revised: 17.12.2018

Replaces Version: 3 / CH

Print date: 04.10.19

## **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**

Disposal in compliance with local and national regulations.

## **SECTION 14: Transport information**

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	D/E		
14.1. UN number	1293	1293	1293
14.2. UN proper shipping name	TINCTURES, MEDICINAL	TINCTURES, MEDICINAL	TINCTURES, MEDICINAL
14.3. Transport hazard class(es)	3	3	3
Label			
14.4. Packing group	II	II	II
Limited Quantity	1 I		
Transport category	2		
14.5. Environmental hazards		no	

## **SECTION 15: Regulatory information**

## **SECTION 16: Other information**

### **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.