



Trade name: Gentianae tinctura normata

Substance number: 253501

Version: 1 / CH

Date revised: 02.03.10

Replaces Version: - / CH

Date of printing: 01.06.12

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Gentianae tinctura normata

Item-No. 25350100

### 1.3. Details of the supplier of the safety data sheet

#### Address

Hänseler AG

Industriestrasse 35

9101 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of person responsible for this SDS sdb@haenseler.ch

### 1.4. Emergency telephone number

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

## 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

#### Classification in accordance with EC directives

Classification R10

### 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/sparks/open flames/hot surfaces. - No smoking.

P233 Keep container tightly closed.

P243 Take precautionary measures against static discharge.

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

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

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

#### Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

The product is classified and labelled in accordance with EC directives/the relevant national laws.



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**R phrases**

10 Flammable.

**S phrases**

16 Keep away from sources of ignition - No smoking.

**3. Composition/information on ingredients****Chemical characterization**Extract of herbal drugs  
Medicinal products**Hazardous ingredients****Ethanol**

CAS No.	64-17-5				
EINECS no.	200-578-6				
Concentration	50	-	60	%	
Classification	F, R11				

Classification (Regulation (EC) No. 1272/2008)  
Flam. Liq. 2 H225**4. First aid measures****4.1. Description of first aid measures****General information**

If you feel unwell, seek medical advice (show the label where possible). Take off contaminated clothing and shoes immediately.

**After inhalation**

Ensure supply of fresh air. In the event of symptoms take medical treatment. Irregular breathing/no breathing: artificial respiration.

**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.). In case of irritation consult an oculist.

**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.

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

Water spray jet, Carbon dioxide, Alcohol-resistant foam, Dry powder, Extinguishing measures to suit surroundings

**Non Suitable extinguishing media**

Full water jet

**5.2. Special hazards arising from the substance or mixture**In the event of fire the following can be released: Carbon monoxide (CO); In the event of a fire, toxic and combustible gases can be formed. Carbon dioxide (CO<sub>2</sub>)



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### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighting

Wear full protective suit. Use self-contained breathing apparatus.

#### Other information

Cool endangered containers with water spray jet.

## 6. Accidental release measures

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

Ensure adequate ventilation. Remove persons to safety. Keep away sources of ignition.

### 6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

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

Take up with absorbent material (eg sand, kieselguhr, universal binder). Send in suitable containers for recovery or disposal. Clean up affected area.

## 7. Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Keep away from heat and sources of ignition. Take precautionary measures against electrostatic loading.

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

#### Requirements for storage rooms and vessels

Keep tightly closed in a dry and cool place. Storage rooms must be properly ventilated.

## 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)
Maximum limit value: 4x15; Pregnancy group: C; Status: 2005;				

### 8.2. Exposure controls

#### General protective and hygiene measures

Avoid any contact with the body. Observe the usual precautions when handling chemicals. Keep away from food-stuffs, beverages and feed-stocks.

#### Respiratory protection

necessary; Do not breathe vapours, dust or aerosol. Provide adequate ventilation.

#### Hand protection

Appropriate Material                      Gloves / resistant to chemicals

#### Eye protection

Tightly fitting safety glasses

#### Body protection

Fire-resistant protective clothing



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## **9. Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

<b>Form</b>	liquid
<b>Colour</b>	yellowish brown to reddish brown
<b>Odour</b>	strong bitter
<b>Colour</b>	red-brown
<b>Boiling point</b>	
Value	> 78 °C
Source	GESTIS-Stoffdatenbank ( <a href="http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp">http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp</a> )
<b>Flash point</b>	
Value	21 to 22 °C
Source	GESTIS-Stoffdatenbank ( <a href="http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp">http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp</a> )
<b>Vapour pressure</b>	
Value	< 5.8 kPa
Source	GESTIS-Stoffdatenbank ( <a href="http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp">http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp</a> )
<b>Solubility in water</b>	
Remarks	Completely miscible

## **10. Stability and reactivity**

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

Heat

### **10.5. Incompatible materials**

Alkaline metals, Ammonia, peroxides, Oxidising agents

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

Hazardous determin decomposition products: Carbon monoxide, Carbon dioxide, Flammable gases/vapours

## **11. Toxicological information**

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

#### **Skin corrosion/irritation**

Remarks Irritating effects on the skin and mucous membrane.

#### **Serious eye damage/irritation**

Remarks Eye contact with the product may lead to irritation.

#### **Experience in practice**

The solvent vapours cause an irritating effect to the respiratory organs. Causes disorders of the central nervous system and can cause headache, respiratory difficulties or unconsciousness. Causes a numb feeling. Liver damage is possible.

#### **Other information**

When handled appropriately, even after long years of experience with this product, no adverse health effects are known.

Product specific toxicological data are not known.



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## 12. Ecological information

### 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.

## 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.

## 14. Transport information

### Land transport ADR/RID

#### 14.1. UN number

UN 1293

#### 14.2. UN proper shipping name

TINCTURES, MEDICINAL

#### 14.3. Transport hazard class(es)

Class 3

Label 3

#### 14.4. Packing group

Packing group III

### Marine transport IMDG/GGVSee

#### 14.1. UN number

UN 1293

#### 14.2. UN proper shipping name

TINCTURES, MEDICINAL

#### 14.3. Transport hazard class(es)

Class 3

#### 14.4. Packing group

Packing group II

### Air transport ICAO/IATA

#### 14.1. UN number

UN 1293

#### 14.2. UN proper shipping name

TINCTURES, MEDICINAL

#### 14.3. Transport hazard class(es)

Class 3

#### 14.4. Packing group

Packing group II

## 15. Regulatory information

## 16. Other information

### R-phrases listed in chapter 3

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Highly flammable.



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### Hazard statements listed in chapter 3

H225 Highly flammable liquid and vapour.

### 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.