

Trade name: Grindelia robusta Urtinktur

Substance number: 257631

Version: 1 / CH

Date revised: 13.03.14

Replaces Version: - / CH

Date of printing: 13.03.14

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

### **1.1. Product identifier**

Grindelia robusta Urtinktur

Item-No. 25763100

### **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 sdb@haenseler.ch

person responsible  
for this SDS

### **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**

##### **R phrases**

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10 Flammable.

**S phrases**

16 Keep away from sources of ignition - No smoking.

**3. Composition/information on ingredients****Chemical characterization**

Alcoholic solution

**Hazardous ingredients****Ethanol**

CAS No.	64-17-5				
EINECS no.	200-578-6				
Concentration		60.0	-	70.0	%
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**

Consult a physician if necessary. Rinse out mouth and give plenty of water to drink.

**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 a fire, toxic and combustible gases can be formed. ; In the event of fire the following can be released: Carbon monoxide (CO); Carbon dioxide (CO<sub>2</sub>)

**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

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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: 2012				

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

Avoid any contact with the body. Observe the usual precautions for handling chemicals. Keep away from food-stuffs, beverages and feed-stocks. Hold eye wash fountain available. Hold emergency shower available. Wash thoroughly after work. Remove soiled or soaked clothing immediately.

**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**

#### **Boiling point**

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> )	

#### **Flash point**

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> )	

#### **Vapour pressure**

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> )	

#### **Density**

Value	0.890 to 0.905
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## **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 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.

## **12. Ecological information**

### **12.6. Other adverse effects**

#### **General information / ecology**

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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
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### **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
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#### **14.4. Packing group**

Packing group	III
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#### **14.5. Environmental hazards**

no

### **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
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#### **14.4. Packing group**

Packing group	III
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## **15. Regulatory information**

## **16. Other information**

### **R-phrases listed in Chapter 3**

11	Highly flammable.
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### **Hazard statements listed in Chapter 3**

H225	Highly flammable liquid and vapour.
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### 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.