

Trade name: Ricinus communis Urtinktur

Substance number: 258316

Version: 3 / CH

Date revised: 05.05.2020

Replaces Version: 2 / CH

Print date: 05.05.20

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

### **1.1. Product identifier**

Ricinus communis Urtinktur

Item No. 25831600

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

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

Active pharmaceutical substance, Medicinal product

### **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

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

### **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.

P243 Take action to prevent static discharges.

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

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin

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P403+P233 with water [or shower].  
 P501.3 Store in a well-ventilated place. Keep container tightly closed.  
 Disposal in compliance with local and national regulations.

**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.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

Medicinal products

**Further ingredients****Ethanol**

CAS No.	64-17-5			
EINECS no.	200-578-6			
Concentration		>=	50	%
Advice: [4]				
Classification (Regulation (EC) No. 1272/2008)				
	Flam. Liq. 2		H225	

**Ricine**

CAS No.	9009-86-3			
Concentration		<	1	%
Advice: [4]				
Classification (Regulation (EC) No. 1272/2008)				
	Acute Tox. 2		H330	
	Acute Tox. 1		H310	
	Acute Tox. 2		H300	

**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**

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**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****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.

**Storage classes**

Storage class according to TRGS 510	3	Flammable liquid
Storage category (Switzerland)	3	Flammable liquid

**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

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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****Form** liquid**Colour** yellow**Initial boiling point and boiling range**

Value appr. 70 °C

**Flash point**

Value 18 °C

**Vapour pressure**

Value &lt;= 5.8 kPa

Source Estimated value

**Density**Value 0.84 g/cm<sup>3</sup>**Solubility in water**

Remarks boundless

**Decomposition temperature**

Remarks No decomposition if used as prescribed.

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

Forms explosive mixture with air are possible.

**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**

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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

##### Ricine

Species	Human		
LD50		0.003	mg/kg

#### Acute dermal toxicity (Components)

##### Ethanol

Species	rabbit		
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
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#### Serious eye damage/irritation (Components)

##### Ethanol

evaluation	irritant
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## 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)

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**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 meet PBT/vPvB-criteria

**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.

**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 \*\*\***

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	Land transport ADR/RID ***	Marine transport IMDG/GGVSee ***	Air transport ICAO/IATA ***
Tunnel restriction code	D/E		
14.1. UN number	1170	1170	1170
14.2. UN proper shipping name	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
14.3. Transport hazard class(es)	3	3	3
Label			
14.4. Packing group	II	II	II
Limited Quantity	1 I		
Transport category	2		

## 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

## 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.