

Trade name: Limonis tinctura

Substance number: 254301

Version: 1 / CH

Date revised: 05.03.14

Replaces Version: - / CH

Date of printing: 05.03.14

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

1.1. Product identifier

Limonis tinctura

Item-No. 25430100

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 F, R11

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

Hazard symbols

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Highly flammable

R phrases

11 Highly flammable.

S phrases

16 Keep away from sources of ignition - No smoking.

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.

3. Composition/information on ingredients**Hazardous ingredients****Ethanol**

CAS No.	64-17-5				
EINECS no.	200-578-6				
Concentration		60.0	-	75.0	%
Classification	F, R11				

Classification (Regulation (EC) No. 1272/2008)			
	Flam. Liq. 2		H225

4. First aid measures**4.1. Description of first aid measures****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

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

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5.2. Special hazards arising from the substance or mixture

In case of fires, hazardous combustion gases are formed; Carbon monoxide (CO); Carbon dioxide (CO₂)

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.

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).

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 - refrain from smoking. Take precautionary measures against static charges.

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.

8. Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Ethanol

List	SUVA			
Type	MAK			
Value	960	mg/m ³	500	ppm(V)
Short term exposure limit	1920	mg/m ³	1000	ppm(V)
Maximum limit value: 4x15; Pregnancy group: C; Status: 2012				

8.2. Exposure controls

General protective and hygiene measures

Wash hands before breaks and after work.

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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

9. Physical and chemical properties**9.1. Information on basic physical and chemical properties****Thermal decomposition**

Remarks No decomposition if used as prescribed.

10. Stability and reactivity**10.4. Conditions to avoid****Thermal decomposition**

Remarks No decomposition if used as prescribed.

10.5. Incompatible materialsReactions with strong oxidising agents. Reactions with strong acids. Reactions with earth alkali metals.
Reactions with alkali metals.**11. Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity**

Reference substance	Ethanol				
Species	mouse				
LD50	3450	to	9500		mg/kg
Reference substance	Ethanol				
Species	rat				
LD50	6200	to	15000		mg/kg

Acute dermal toxicity

Reference substance	Ethanol				
Species	rabbit				
LD50	20000				mg/kg

Acute inhalational toxicity

Reference substance	Ethanol				
Species	mouse				
LC50	21000				ml/m ³
Duration of exposure	4		h		
Reference substance	Ethanol				
Species	rat				
LC50	63000				ml/m ³
Duration of exposure	4		h		

Skin corrosion/irritation

Remarks Irritating effects on the skin and mucous membrane.

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Serious eye damage/irritation

Remarks Irritates the eyes and the skin.

Sensitization

Remarks No sensitisation effect known.

12. Ecological information**12.2. Persistence and degradability****Biodegradability**

Remarks The product is readily biodegradable according to OECD 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.

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.

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 II

Marine transport IMDG/GGVSee**14.1. UN number**

UN 1170

14.2. UN proper shipping name

ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

14.3. Transport hazard class(es)

Class 3

14.4. Packing group

Packing group II

Air transport ICAO/IATA**14.1. UN number**

UN 1170

14.2. UN proper shipping name

ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

14.3. Transport hazard class(es)

Class 3

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14.4. Packing group

Packing group II

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Water Hazard Class (Ger.)

Water Hazard Class (Ger.) WGK 2

16. Other information

R-phrases listed in Chapter 3

11 Highly flammable.

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.