

Trade name: Citronellae spiritus comp

Substance number: 146751

Version: 3 / CH

Date revised: 25.03.2019

Replaces Version: 2 / CH

Print date: 01.10.19

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

1.1. Product identifier

Citronellae spiritus comp

Item No. 14675100

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

Use of the substance/preparation

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.
 EUH208 Contains Disposal in compliance with local and national regulations.
 *** Dipentene, May produce an allergic reaction.

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**

Alcoholic solution
 Medicinal products

Hazardous ingredients *****Dipentene**

CAS No.	138-86-3			
EINECS no.	205-341-0			
Concentration		<	1	%
Classification (Regulation (EC) No. 1272/2008)				
	Flam. Liq. 3		H226	
	Skin Irrit. 2		H315	
	Skin Sens. 1		H317	
	Aquatic Acute 1		H400	
	Aquatic Chronic 1		H410	

Concentration limits (Regulation (EC) No. 1272/2008)

Aquatic Acute 1	M = 1
Aquatic Chronic	M = 1
1	

CLP Regulation (EC) No 1272/2008, Annex VI, Note C
 DSD Directive 67/548/EEC, Annex I, Note C

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	

Water

CAS No.	7732-18-5					
EINECS no.	231-791-2					
Concentration		>=	25	<	50	%
Advice: [4]						

water

CAS No.	7732-18-5					
EINECS no.	231-791-2					
Concentration		>=	1	<	10	%
Advice: [4]						

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Cinnamaldehyde

CAS No. 104-55-2

EINECS no. 203-213-9

Concentration < 1 %

Advice: [4]

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

Acute Tox. 4 H312

Skin Irrit. 2 H315

Skin Sens. 1 H317

Eye Irrit. 2 H319

citronellal

CAS No. 106-23-0

EINECS no. 203-376-6

Concentration < 1 %

[4]

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

Skin Irrit. 2

Skin Sens. 1

Flam. Liq. 4

Aquatic Chronic 2

(1S)-beta-Pinene

CAS No. 18172-67-3

EINECS no. 242-060-2

Concentration < 1 %

[4]

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

Flam. Liq. 3 H226

Asp. Tox. 1 H304

Skin Irrit. 2 H315

Skin Sens. 1 H317

Aquatic Acute 1 H400

Aquatic Chronic 1 H410

Concentration limits (Regulation (EC) No. 1272/2008)

Aquatic Acute 1 M = 1

Aquatic Chronic M = 1

1

Eugenol

CAS No. 97-53-0

EINECS no. 202-589-1

Concentration < 1 %

Advice: [4]

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

Skin Sens. 1B H317

Eye Irrit. 2 H319

Geraniol

CAS No. 106-24-1

EINECS no. 203-377-1

Concentration < 1 %

Advice: [4]

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Skin Irrit. 2	H315
Skin Sens. 1	H317
Eye Dam. 1	H318

p-mentha-1,4-diene

CAS No. 99-85-4

EINECS no. 202-794-6

Concentration < 1 %

Advice: [4]

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

Asp. Tox. 1	H304
Flam. Liq. 3	H226

citronellol

CAS No. 106-22-9

EINECS no. 203-375-0

Concentration < 1 %

Advice: [4]

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

Skin Irrit. 2	H315
Skin Sens. 1B	H317
Eye Irrit. 2	H319

(1S)-alpha-Pinene

CAS No. 7785-26-4

EINECS no. 232-077-3

Concentration < 1 %

Advice: [4]

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

Flam. Liq. 3	H226
Asp. Tox. 1	H304
Skin Irrit. 2	H315
Skin Sens. 1	H317
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

Citral

CAS No. 5392-40-5

EINECS no. 226-394-6

Concentration < 1 %

Advice: [4]

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

Skin Irrit. 2	H315
Eye Irrit. 2	H319
Skin Sens. 1	H317

beta-Caryophyllen

CAS No. 87-44-5

EINECS no. 201-746-1

Concentration < 1 %

Advice: [4]

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

Asp. Tox. 1	H304
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p-menth-1-en-8-ol

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CAS No. 98-55-5
 EINECS no. 202-680-6
 Concentration < 1 %
 Advice: [4]
 Classification (Regulation (EC) No. 1272/2008)
 Skin Irrit. 2 H315
 Eye Irrit. 2 H319

4-allyl-2-methoxyphenyl acetate

CAS No. 93-28-7
 EINECS no. 202-235-6
 Concentration < 1 %
 Advice: [4]
 Classification (Regulation (EC) No. 1272/2008)
 Acute Tox. 4 H302

7-Methyl-3-methylenocta-1,6-dien

CAS No. 123-35-3
 EINECS no. 204-622-5
 Concentration < 1 %
 Advice: [4]
 Classification (Regulation (EC) No. 1272/2008)
 Flam. Liq. 3 H226
 Asp. Tox. 1 H304
 Skin Irrit. 2 H315
 Eye Irrit. 2 H319
 Aquatic Acute 1 H400
 Aquatic Chronic 1 H410

Concentration limits (Regulation (EC) No. 1272/2008)
 M = 1

p-mentha-1,4(8)-diene

CAS No. 586-62-9
 EINECS no. 209-578-0
 Concentration < 1 %
 Advice: [4]
 Classification (Regulation (EC) No. 1272/2008)
 Asp. Tox. 1
 Flam. Liq. 3
 Aquatic Chronic 2

p-menth-1-en-4-ol

CAS No. 562-74-3
 EINECS no. 209-235-5
 Concentration < 1 %
 Advice: [4]
 Classification (Regulation (EC) No. 1272/2008)
 Acute Tox. 4 H302
 Skin Irrit. 2 H315
 Eye Irrit. 2 H319

p-mentha-1,3-diene

CAS No. 99-86-5
 EINECS no. 202-795-1
 Concentration < 1 %

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[4]

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

Asp. Tox. 1
 Flam. Liq. 3
 Acute Tox. 4
 Aquatic Chronic 2

p-Isopropyl toluene

CAS No. 99-87-6

EINECS no. 202-796-7

Concentration < 1 %

Advice: [4]

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

Flam. Liq. 3 H226
 Asp. Tox. 1 H304
 Aquatic Chronic 2 H411

3,7-Dimethyl-1,6-octadien-3-ol

CAS No. 78-70-6

EINECS no. 201-134-4

Concentration < 1 %

Advice: [4]

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

Skin Irrit. 2 H315
 Eye Irrit. 2 H319
 Skin Sens. 1B H317

1,8-Cineole

CAS No. 470-82-6

EINECS no. 207-431-5

Concentration < 1 %

Advice: [4]

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

Flam. Liq. 3 H226
 Skin Sens. 1B H317

beta-Phellandren

CAS No. 555-10-2

EINECS no. 209-081-9

Concentration < 1 %

Advice: [4]

(E)-anethole

CAS No. 4180-23-8

EINECS no. 224-052-0

Registration no. 01-2119979097-22-XXXX

Concentration < 1 %

Advice: [4]

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

Skin Sens. 1B H317

5-Allyl-1,3-benzodioxole

CAS No. 94-59-7

EINECS no. 202-345-4

Concentration < 1 %

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Advice: [4]

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

Acute Tox. 4	H302
Muta. 2	H341
Carc. 1B	H350

Additional remarks:

DSD Directive 67/548/EEC, Annex I, Note E

camphene

CAS No. 79-92-5

EINECS no. 201-234-8

Concentration < 1 %

Advice: [4]

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

Flam. Sol. 2	H228
Eye Irrit. 2	H319
Aquatic Chronic 1	H410

4-allylveratrole (Methyl eugenol)

CAS No. 93-15-2

EINECS no. 202-223-0

Concentration < 1 %

Advice: [4]

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

Acute Tox. 4	H302
Muta. 2	H341
Carc. 2	H351

isoeugenol

CAS No. 97-54-1

EINECS no. 202-590-7

Concentration < 1 %

Advice: [4]

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

Acute Tox. 4	H312
Acute Tox. 4	H302
Skin Irrit. 2	H315
Eye Irrit. 2	H319
Skin Sens. 1A	H317

geranyl acetate

CAS No. 105-87-3

EINECS no. 203-341-5

Concentration < 1 %

Advice: [4]

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

Skin Irrit. 2	H315
Skin Sens. 1	H317
Aquatic Chronic 3	H412

Benzyl benzoate

CAS No. 120-51-4

EINECS no. 204-402-9

Concentration < 1 %

Advice: [4]

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

Acute Tox. 4	H302
Aquatic Acute 1	H400
Aquatic Chronic 2	H411

3-Carene, not specified

CAS No. 13466-78-9

EINECS no. 236-719-3

Concentration < 1 %

Advice: [4]

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

Flam. Liq. 3	H226
Asp. Tox. 1	H304
Skin Sens. 1	H317
Aquatic Chronic 2	H411

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, 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 mixtureIn 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.

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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			
Value	960	mg/m ³	500	ppm(V)
Short term exposure limit	1920	mg/m ³	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

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Body protection

Fire-resistant protective clothing

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

Form liquid, clear
Colour almost colourless
Odour aromatic

Initial boiling point and boiling range

Value > 78 °C
 Source Estimated value

Flash point

Value <= 21 °C
 Source GESTIS-Stoffdatenbank

Vapour pressure

Value < 5.8 kPa
 Source Estimated value

Density

Value 0.880 to 0.886
 Remarks Relative Density according specification

Decomposition temperature

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

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Source	Toxicology and Applied Pharmacology. Vol. 16, Pg. 718, 1970.		
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Ethanol

Species	rat		
LD50	10470		mg/kg

Acute dermal toxicity (Components)**Ethanol**

Species	rabbit		
LD50	15800		mg/kg

Acute inhalative toxicity (Components)**Ethanol**

Species	rat		
LC50	30000		mg/m ³
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)**Ethanol**

evaluation	Readily biodegradable
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Chemical oxygen demand (COD) (Components)**Ethanol**

Value	0.93	to	1.67	mg/g
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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)

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Ethanol

The Substance doesn't meets 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 ***

	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 (Ethanol)	TINCTURES, MEDICINAL (Ethanol)	TINCTURES, MEDICINAL (Ethanol)
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 3

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

SECTION 16: Other information

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Hazard statements listed in Chapter 3

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic, Category 1
Flam. Liq. 3	Flammable liquid, Category 3
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1

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.