

Trade name: Pini aetheroleum naturidentisch

Substance number: 015400

Version: 6 / CH

Date revised: 12.04.2019

Replaces Version: 5 / CH

Print date: 12.04.19

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

1.1. Product identifier

Pini aetheroleum naturidentisch

Item No. 01540000

Substance / product identification

INCI

Parfum

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

Use of the substance/preparation

flavour/ fragrance

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. 3 H226

Skin Irrit. 2 H315

Eye Irrit. 2 H319

Skin Sens. 1 H317

Asp. Tox. 1 H304

Aquatic Acute 1 H400

Aquatic Chronic 1 H410

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

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Hazard statements ***

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.
H304	May be fatal if swallowed and enters airways.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331	Do NOT induce vomiting.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains	1,8-Cineole; Longifolene; (R)-p-mentha-1,8-diene; (S)-p-Mentha-1,8-diene; alpha-Pinene, not specified; beta-Pinene, not specified; Dipentene; 3-Carene, not specified; p-mentha-1,4-diene; p-mentha-1,3-diene; p-mentha-1,4(8)-diene; 7-Methyl-3-methylenocta-1,6-dien; beta-Caryophyllen; (-)-1,5-4-Menthandien; (1S)-alpha-Pinene; p-Isopropyl toluene
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SECTION 3: Composition/information on ingredients**Chemical characterization**

Mixture of the following listed substances with harmless admixtures.

Hazardous ingredients**alpha-Pinene, not specified**

CAS No.	80-56-8
EINECS no.	201-291-9
Concentration	>= 25 < 50 %
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 1	M = 1

Terpineol

CAS No.	8000-41-7
EINECS no.	232-268-1
Concentration	>= 10 < 25 %
Classification (Regulation (EC) No. 1272/2008)	
	Skin Irrit. 2 H315
	Eye Irrit. 2 H319

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

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CAS No. 5989-27-5
 EINECS no. 227-813-5
 Concentration >= 10 < 25 %
 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

CLP Regulation (EC) No 1272/2008, Annex VI, Note C

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

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

CAS No. 586-62-9
 EINECS no. 209-578-0
 Concentration >= 10 < 25 %
 Classification (Regulation (EC) No. 1272/2008)
 Asp. Tox. 1
 Flam. Liq. 3
 Aquatic Chronic 2

beta-Pinene, not specified

CAS No. 127-91-3
 EINECS no. 204-872-5
 Concentration >= 10 < 25 %
 Classification (Regulation (EC) No. 1272/2008)
 Flam. Liq. 3 H226
 Asp. Tox. 1 H304
 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

(S)-p-Mentha-1,8-diene

CAS No. 5989-54-8
 EINECS no. 227-815-6
 Concentration >= 1 < 10 %
 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

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

1,8-Cineole

CAS No. 470-82-6
EINECS no. 207-431-5
Concentration \geq 1 < 10 %
Classification (Regulation (EC) No. 1272/2008)
Flam. Liq. 3 H226
Skin Sens. 1B H317

(-)-1,5-4-Menthandien

CAS No. 99-83-2
EINECS no. 202-792-5
Concentration \geq 1 < 10 %
Classification (Regulation (EC) No. 1272/2008)
Flam. Liq. 3 H226
Acute Tox. 4 H302
Asp. Tox. 1 H304

beta-Caryophyllen

CAS No. 87-44-5
EINECS no. 201-746-1
Concentration \geq 1 < 10 %
Classification (Regulation (EC) No. 1272/2008)
Asp. Tox. 1 H304

Longifolene

CAS No. 475-20-7
EINECS no. 207-491-2
Concentration \geq 1 < 10 %
Classification (Regulation (EC) No. 1272/2008)
Asp. Tox. 1 H304
Skin Sens. 1 H317
Aquatic Acute 1 H400
Aquatic Chronic 1 H410

camphene

CAS No. 79-92-5
EINECS no. 201-234-8
Concentration \geq 1 < 10 %
Classification (Regulation (EC) No. 1272/2008)
Flam. Sol. 2 H228
Eye Irrit. 2 H319
Aquatic Chronic 1 H410

p-Isopropyl toluene

CAS No. 99-87-6
EINECS no. 202-796-7
Concentration < 1 %
Classification (Regulation (EC) No. 1272/2008)
Flam. Liq. 3 H226
Asp. Tox. 1 H304
Aquatic Chronic 2 H411

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

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CAS No. 123-35-3
 EINECS no. 204-622-5
 Concentration < 1 %
 Classification (Regulation (EC) No. 1272/2008)
 Flam. Liq. 3 H226
 Asp. Tox. 1 H304
 Skin Irrit. 2 H315
 Eye Irrit. 2 H319

3-Carene, not specified

CAS No. 13466-78-9
 EINECS no. 236-719-3
 Concentration < 1 %
 Classification (Regulation (EC) No. 1272/2008)
 Flam. Liq. 3 H226
 Asp. Tox. 1 H304
 Skin Sens. 1 H317
 Aquatic Chronic 2 H411

p-mentha-1,3-diene

CAS No. 99-86-5
 EINECS no. 202-795-1
 Concentration < 1 %
 Classification (Regulation (EC) No. 1272/2008)
 Asp. Tox. 1
 Flam. Liq. 3
 Acute Tox. 4
 Aquatic Chronic 2

p-mentha-1,4-diene

CAS No. 99-85-4
 EINECS no. 202-794-6
 Concentration < 1 %
 Classification (Regulation (EC) No. 1272/2008)
 Asp. Tox. 1
 Flam. Liq. 3

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

(1S)-alpha-Pinene

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CAS No.	7785-26-4		
EINECS no.	232-077-3		
Concentration		< 1	%
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	

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Remove the casualty into fresh air and keep him calm. In the event of symptoms take medical treatment.

After skin contact

Wash off with soap and water. Remove contaminated, soaked clothing immediately and dispose of safely.

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Take medical treatment.

After ingestion

Summon a doctor immediately. Do not induce vomiting.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide, Dry chemical extinguisher, Foam

5.2. Special hazards arising from the substance or mixture

If a fire breaks out nearby, pressure build-up and danger of bursting are possible. In the case of exothermal disintegration (characteristic: heavy smoke development) and a nearby fire, spray or douse intensively with a lot of water immediately to guarantee quick cooling.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Do not inhale vapours. Keep away from sources of ignition - No smoking.

6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter drains or waterways. 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). Provide adequate ventilation. Dispose of absorbed material in accordance with the regulations.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid contact with skin and eyes. Ensure adequate ventilation. Keep away sources of ignition. Procure extinguisher

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Use containers with inside laquer. Use glass containers. Use aluminium containers.

Storage classes

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

Further information on storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Protect from light.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

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

List	SUVA			
Type	MAK			
Value	40	mg/m ³	7	ppm(V)
Short term exposure limit	80	mg/m ³	14	ppm(V)

Pregnancy group: S; Status: 2017; Remarks: S SSc; LeberKT AN

8.2. Exposure controls

Respiratory protection

Provide good ventilation of working area (local exhaust ventilation if necessary). In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection

Gloves

Eye protection

Tightly fitting safety glasses

Body protection

apron

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	liquid, clear
Colour	colourless to yellowish
Odour	pine
Odour	resinous
Melting point	
Remarks	not determined
Initial boiling point and boiling range	
Remarks	not determined

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Flash point

Value 48.0 °C

Upper/lower flammability or explosive limits

Remarks not determined

Vapour pressure

Remarks not determined

DensityValue 0.855 to 0.885
Temperature 20 °C**Solubility(ies)**

Remarks not determined

Partition coefficient: n-octanol/water

Remarks not determined

Viscosity

Remarks not determined

SECTION 10: Stability and reactivity**10.1. Reactivity**

None

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

No decomposition if stored and applied as directed.

10.4. Conditions to avoid

Keep away from sources of heat and ignition.

10.5. Incompatible materials

Reactions with acids, alkalies and oxidizing agents.

10.6. Hazardous decomposition products

In the event of fire the following can be released: Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**ATE > 10'000 mg/kg
Method calculated value (Regulation (EC) No. 1272/2008)**Acute oral toxicity (Components)****1,8-Cineole**Species rat
LD50 2840 mg/kg
Source RTECS**7-Methyl-3-methylenocta-1,6-dien**Species Rats (male/female)
LD50 > 11390 mg/kg**7-Methyl-3-methylenocta-1,6-dien**

Species Rats (male/female)

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LOAEL	250	mg/kg
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beta-Caryophyllen

Species	rat	
LD	> 48	mg/kg
Source	Intratracheal (RTECS)	

camphene

Species	rabbit	
LD50	> 2500	mg/kg
Source	IUCLID	

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

Species	rat	
LD50	4400	mg/kg

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

Species	mouse	
NOAEL	1650	mg/kg

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

Species	mouse	
LOAEL	3300	mg/kg

Acute dermal toxicity (Components)**7-Methyl-3-methylenocta-1,6-dien**

Species	rabbit	
LD50	> 5000	mg/kg

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

Species	rabbit	
LD50	> 5000	mg/kg

Skin corrosion/irritation

Remarks	No data available.
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Serious eye damage/irritation

Remarks	No data available.
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Sensitization

Remarks	No data available.
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Sensitization (Components)**7-Methyl-3-methylenocta-1,6-dien**

Species	mouse
evaluation	non-sensitizing
Method	OECD 429

camphene

evaluation	non-sensitizing
Source	IUCLID

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

Species	mouse
evaluation	sensitizing
Method	OECD 429
Remarks	May cause sensitization by skin contact.

Reproduction toxicity (Components)**7-Methyl-3-methylenocta-1,6-dien**

Species	rat
evaluation	Can cause malformations.

SECTION 12: Ecological information

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12.1. Toxicity

Fish toxicity

LC50

Remarks No data available.

Fish toxicity (Components)

1,8-Cineole

Species	Fathead minnow (<i>Pimephales promelas</i>)		
LC50	102		mg/l
Duration of exposure	96	h	

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

Species	Fathead minnow (<i>Pimephales promelas</i>)		
LC50	0.72		mg/l
Duration of exposure	96	h	
Method	OECD 203		

Daphnia toxicity

EC50

Remarks No data available.

Daphnia toxicity (Components)

camphene

Species	Daphnia magna		
EC50	13	to	36 mg/l
Duration of exposure	48	h	
Source	Literature value		

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

Species	Daphnia magna		
EC50	0.36		mg/l
Duration of exposure	48	h	

Algae toxicity

EC50

Remarks No data available.

Bacteria toxicity

EC50

Remarks No data available.

Bacteria toxicity (Components)

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

Species	activated sludge		
EC50	3.94		mg/l
Method	OECD 209		

12.2. Persistence and degradability

Biodegradability

Remarks No data available.

Biodegradability (Components)

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

Value	76		%
Duration of test evaluation	28	d	
	Readily biodegradable		

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

Value	71		%
evaluation	Readily biodegradable		

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12.3. Bioaccumulative potential

Partition coefficient: n-octanol/water

Remarks not determined

Octanol/water partition coefficient (log Pow) (Components)**7-Methyl-3-methylenocta-1,6-dien**

log Pow	5.285	
Temperature	25	°C

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

log Pow	4.2	
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12.6. Other adverse effects

General information / ecology

Do not allow it to reach soil, ground water, water bodies or sewage system.

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

Dispose of as unused product.

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	1169	1169	1169
14.2. UN proper shipping name	EXTRACTS, AROMATIC, LIQUID (alpha-Pinene, not specified, (R)- p-mentha-1,8-diene)	EXTRACTS, AROMATIC, LIQUID (alpha-Pinene, not specified, (R)- p-mentha-1,8-diene)	EXTRACTS, AROMATIC, LIQUID (alpha-Pinene, not specified, (R)-p-mentha-1,8- diene)
14.3. Transport hazard class(es)	3	3	3
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 l		
Transport category	3		
14.5. Environmental hazards	 ENVIRONMENTALLY HAZARDOUS	Marine Pollutant 	 ENVIRONMENTALLY HAZARDOUS

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

Hazard statements listed in Chapter 3

H226	Flammable liquid and vapour.
H228	Flammable solid.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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H411

Toxic to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Acute Tox. 4	Acute toxicity, Category 4
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Flam. Liq. 3	Flammable liquid, Category 3
Flam. Sol. 2	Flammable solid, Category 2
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1
Skin Sens. 1B	Skin sensitization, Category 1B

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.