

Trade name: Orangen Aroma EFLA / 0015400

Substance number: 325705

Version: 4 / CH

Date revised: 18.12.2019

Replaces Version: 3 / CH

Print date: 18.12.19

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

1.1. Product identifier

Orangen Aroma EFLA / 0015400

Item No. 32570500

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

Use of the substance/preparation

Manufacture of pharmaceutical products, 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

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 ***

Warning

Hazard statements ***

H226 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.
 *** (R)-p-mentha-1,8-diene, May produce an allergic reaction.

SECTION 3: Composition/information on ingredients ***

Hazardous ingredients ***

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

CAS No. 5989-27-5

EINECS no. 227-813-5

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

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

Note

[4] Voluntary information

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Ensure supply of fresh air. Take medical treatment. If the patient is likely to become unconscious, place and transport in stable sideways position.

After skin contact

Wash off immediately with soap and water and rinse well.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.).

After ingestion

Rinse out mouth and give plenty of water to drink. In the event of symptoms take medical treatment.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide, Dry powder, Sand

Non suitable extinguishing media

Water, Full water jet

5.3. Advice for firefighters

Special protective equipment for fire-fighting

No special measures required.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep away unprotected persons.

6.2. Environmental precautions

Advise water authority if spillage has entered water course or drainage system. Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material (eg sand, kieselgur, acid binder, universal binder, sawdust). Ensure adequate ventilation. When picked up, treat material as prescribed under Section 13 "Disposal". Don't rinse away with water.

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). Avoid formation of aerosols.

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

No special requirements.

Hints on storage assembly

Not required.

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.

SECTION 8: Exposure controls/personal protection ***

8.1. Control parameters

Exposure limit values ***

Ethanol

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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

(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**General protective and hygiene measures**

Remove contaminated, soaked clothing immediately and dispose of safely. Wash hands before breaks and after work. Keep away from food-stuffs, beverages and feed-stocks. Avoid contact with skin and eyes.

Respiratory protection

Provide good ventilation of working area (local exhaust ventilation if necessary). Short term: filter apparatus; At intensive and longer exposition use self-contained breathing apparatus.

Hand protection

Protective gloves

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

Eye protection

Tightly fitting safety glasses

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

Form liquid

Odour characteristic

Initial boiling point and boiling range

Value 78 °C

Flash point

Value 23 °C

Flammability (solid, gas)

Not self inflammable

Upper/lower flammability or explosive limits

Lower explosion limit 3.5 %(V)

Upper explosion limit 19 %(V)

Vapour pressure

Value 5.95 kPa

Temperature 20 °C

Density

Value 0.9215 g/cm³

Temperature 20 °C

Solubility in water

Remarks Immiscible resp. little miscible.

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Decomposition temperature

Remarks No decomposition if used as prescribed.

9.2. Other information**Solvent content**

Value 55.0 %

Other information

Forms explosive mixture with air are possible.

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

No decomposition if stored and applied as directed.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No decomposition if stored and applied as directed.

10.5. Incompatible materials

No decomposition if stored and applied as directed.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

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

(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)**Ethanol**

Species	rabbit		
LD50		15800	mg/kg

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

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Species	rabbit		
LD50	>	5000	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

Remarks	Irritating effects on the skin and mucous membrane.
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Serious eye damage/irritation

Remarks	No effect of irritation known
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Sensitization

Remarks	May cause sensitization by skin contact.
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Sensitization (Components)**(R)-p-mentha-1,8-diene**

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

Experience in practice

Irritation	
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SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity**

Remarks	Toxic for fishes.
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Fish toxicity (Components)**(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 (Components)**(R)-p-mentha-1,8-diene**

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

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

Value	71	%
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evaluation Readily biodegradable

Chemical oxygen demand (COD) (Components)**Ethanol**

Value 0.93 to 1.67 mg/g

12.3. Bioaccumulative potential**Octanol/water partition coefficient (log Pow) (Components)****(R)-p-mentha-1,8-diene**

log Pow 4.2

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. Toxic for aquatic organisms. Product is slightly hazardous to water.




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 ***

	Land transport ADR/RID ***	Marine transport IMDG/GGVSee ***	Air transport ICAO/IATA ***
Tunnel restriction code	D/E		
14.1. UN number	1197	1197	1197
14.2. UN proper shipping name	EXTRACTS, FLAVOURING, LIQUID (Ethanol)	EXTRACTS, FLAVOURING, LIQUID (Ethanol)	EXTRACTS, FLAVOURING, LIQUID (Ethanol)
14.3. Transport hazard class(es)	3	3	3
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 l		
Transport category	3		

SECTION 15: Regulatory information *****15.1. Safety, health and environmental regulations/legislation specific for the substance**

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or mixture**Water Hazard Class (Germany) *****

Water Hazard Class (Germany) WGK 2

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

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information**Hazard statements listed in Chapter 3**

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
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
Asp. Tox. 1	Aspiration hazard, 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.