

Trade name: Rosae aetheroleum verum

Substance number: 015550

Version: 7 / CH

Date revised: 18.03.2019

Replaces Version: 6 / CH

Print date: 18.03.19

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

1.1. Product identifier

Rosae aetheroleum verum

Item No. 01555002

Substance / product identification

CAS-No. 8007-01-0

EINECS-No. 290-260-3

INCI Rosa Damascena Flower Oil

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

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

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

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

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

Skin Irrit. 2 H315

Eye Dam. 1 H318

Skin Sens. 1 H317

Muta. 2 H341

Carc. 2 H351

Aquatic Chronic 3 H412

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 ***

| | |
|------|--|
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H317 | May cause an allergic skin reaction. |
| H341 | Suspected of causing genetic defects. |
| H351 | Suspected of causing cancer. |
| H412 | Harmful to aquatic life with long lasting effects. |

Precautionary statements

| | |
|----------------|--|
| P201 | Obtain special instructions before use. |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310 | Immediately call a POISON CENTER or doctor. |

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

| | |
|--------------|---|
| contains *** | Geraniol; citronellol; Eugenol; beta-Pinene, not specified; Citral; (R)-p-mentha-1,8-diene; 4-allylveratrole (Methyl eugenol); Farnesol; 3,7-Dimethyl-1,6-octadien-3-ol |
|--------------|---|

SECTION 3: Composition/information on ingredients *****Chemical characterization**

Rosae aetheroleum verum
Essential oil

Hazardous ingredients**citronellol**

| | | | | |
|--|---------------|----|------|---|
| CAS No. | 106-22-9 | | | |
| EINECS no. | 203-375-0 | | | |
| Concentration | >= | 50 | | % |
| Classification (Regulation (EC) No. 1272/2008) | | | | |
| | Skin Irrit. 2 | | H315 | |
| | Skin Sens. 1B | | H317 | |
| | Eye Irrit. 2 | | H319 | |

Geraniol

| | | | | |
|--|---------------|----|------|------|
| CAS No. | 106-24-1 | | | |
| EINECS no. | 203-377-1 | | | |
| Concentration | >= | 10 | < | 25 % |
| Classification (Regulation (EC) No. 1272/2008) | | | | |
| | Skin Irrit. 2 | | H315 | |
| | Skin Sens. 1 | | H317 | |
| | Eye Dam. 1 | | H318 | |

nerol

| | | | | |
|--|---------------|---|------|------|
| CAS No. | 106-25-2 | | | |
| EINECS no. | 203-378-7 | | | |
| Concentration | >= | 1 | < | 10 % |
| Classification (Regulation (EC) No. 1272/2008) | | | | |
| | Skin Irrit. 2 | | H315 | |

4-allylveratrole (Methyl eugenol)

| | |
|------------|-----------|
| CAS No. | 93-15-2 |
| EINECS no. | 202-223-0 |

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| | | | | | |
|--|----|--------------|---|------|---|
| Concentration | >= | 1 | < | 6.2 | % |
| Classification (Regulation (EC) No. 1272/2008) | | | | | |
| | | Acute Tox. 4 | | H302 | |
| | | Muta. 2 | | H341 | |
| | | Carc. 2 | | H351 | |

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

| | | | | | |
|--|-----------|---------------|---|------|---|
| CAS No. | 78-70-6 | | | | |
| EINECS no. | 201-134-4 | | | | |
| Concentration | >= | 1 | < | 10 | % |
| Classification (Regulation (EC) No. 1272/2008) | | | | | |
| | | Skin Irrit. 2 | | H315 | |
| | | Eye Irrit. 2 | | H319 | |
| | | Skin Sens. 1B | | H317 | |

geranyl acetate

| | | | | | |
|--|-----------|-------------------|---|------|---|
| CAS No. | 105-87-3 | | | | |
| EINECS no. | 203-341-5 | | | | |
| Concentration | >= | 1 | < | 10 | % |
| Classification (Regulation (EC) No. 1272/2008) | | | | | |
| | | Aquatic Chronic 2 | | H411 | |

2-Phenylethanol

| | | | | | |
|--|-----------|--------------|---|------|---|
| CAS No. | 60-12-8 | | | | |
| EINECS no. | 200-456-2 | | | | |
| Concentration | >= | 1 | < | 3.8 | % |
| Classification (Regulation (EC) No. 1272/2008) | | | | | |
| | | Acute Tox. 4 | | H302 | |
| | | Eye Irrit. 2 | | H319 | |

Eugenol

| | | | | | |
|--|-----------|---------------|---|------|---|
| CAS No. | 97-53-0 | | | | |
| EINECS no. | 202-589-1 | | | | |
| Concentration | >= | 1 | < | 10 | % |
| Classification (Regulation (EC) No. 1272/2008) | | | | | |
| | | Skin Sens. 1B | | H317 | |
| | | Eye Irrit. 2 | | H319 | |

beta-Pinene, not specified

| | | | | | |
|--|-----------|-------------------|---|------|---|
| CAS No. | 127-91-3 | | | | |
| EINECS no. | 204-872-5 | | | | |
| Concentration | >= | 1 | < | 10 | % |
| 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 1 | M = 1 |
| 1 | |

Citral

| | |
|---------|-----------|
| CAS No. | 5392-40-5 |
|---------|-----------|

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EINECS no. 226-394-6
 Concentration \geq 1 < 3.1 %
 Classification (Regulation (EC) No. 1272/2008)
 Skin Irrit. 2 H315
 Eye Irrit. 2 H319
 Skin Sens. 1 H317

Farnesol

CAS No. 4602-84-0
 EINECS no. 225-004-1
 Concentration \geq 1 < 10 %
 Classification (Regulation (EC) No. 1272/2008)
 Skin Irrit. 2 H315
 Skin Sens. 1 H317
 Eye Irrit. 2 H319

(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 \geq 1 < 10 %
 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. In the event of symptoms take medical treatment.

After skin contact

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

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After eye contact

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

After ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. Summon a doctor immediately.

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

In case of combustion, evolution of health hazardous partially burned gases. Carbon monoxide (CO)

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**

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

6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the subsoil/soil. Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr). Send in suitable containers for recovery or disposal. Ensure adequate ventilation.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Avoid contact with skin and eyes. Provide good ventilation of working area (local exhaust ventilation if necessary). Keep away sources of ignition. Procure extinguisher

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Use glass containers. Use aluminium containers.

Storage classes

| | | |
|-------------------------------------|----|----------------------------------|
| Storage class according to TRGS 510 | 10 | Flammable liquids |
| Storage category (Switzerland) | 8 | Caustic and corrosive substances |

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**

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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 | | | | |

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**

Provide adequate ventilation.

Respiratory protection

Provide good ventilation of working area (local exhaust ventilation if necessary).

Hand protection

Gloves

Eye protection

Tightly fitting safety glasses

Body protection

Protective clothing

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

| | | | | |
|---|----------------|----|--------|-------------------|
| Form | Liquid | | | |
| Colour | yellow | | | |
| Colour | yellow-green | | | |
| Flash point | | | | |
| Value | 67 | | | °C |
| Upper/lower flammability or explosive limits | | | | |
| Remarks | not determined | | | |
| Vapour pressure | | | | |
| Remarks | not determined | | | |
| Density | | | | |
| Value | 0.8480 | to | 0.8720 | g/cm ³ |
| Solubility(ies) | | | | |
| Remarks | not determined | | | |
| Partition coefficient: n-octanol/water | | | | |
| Rosae aetheroleum verum | | | | |
| Remarks | not determined | | | |
| Viscosity | | | | |
| Remarks | not determined | | | |

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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 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 strong acids and alkalies. Reactions with oxidising agents.

10.6. Hazardous decomposition products

Carbon monoxide

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

Rosae aetheroleum verum

| | | |
|--------|--|-------|
| ATE | 5'319.96 | mg/kg |
| | 92 | |
| Method | calculated value (Regulation (EC) No. 1272/2008) | |

Acute oral toxicity (Components)

Geraniol

| | | | |
|---------|------|-------|--|
| Species | rat | | |
| LD50 | 3600 | mg/kg | |

citronellol

| | | | |
|---------|------|-------|--|
| Species | rat | | |
| LD50 | 3450 | mg/kg | |

Eugenol

| | | | |
|---------|----------|-------|--|
| Species | rat | | |
| LD50 | > 2000 | mg/kg | |
| Method | OECD 423 | | |

Eugenol

| | | | |
|---------|-----------------|-------|--|
| Species | rat | | |
| LDLo | 800 | mg/kg | |
| Remarks | intraperitoneal | | |

Farnesol

| | | | |
|---------|------|-------|--|
| Species | rat | | |
| LD50 | 6000 | 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

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Species mouse
 LOAEL 3300 mg/kg

Citral

Species Rats (male/female)
 LD50 6800 mg/kg

Citral

Species rat (female)
 LOAEL 335 mg/kg

Citral

Species rat (male)
 LOAEL 345 mg/kg

Ethanol

Species rat
 LD50 7060 mg/kg
 Source Toxicology and Applied Pharmacology. Vol. 16, Pg. 718, 1970.

Ethanol

Species rat
 LD50 10470 mg/kg

Acute dermal toxicity (Components)**Geraniol**

Species rabbit
 > 5000 mg/kg

citronellol

Species rabbit
 LD50 2650 mg/kg

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

Species rabbit
 LD50 > 5000 mg/kg

Citral

Species Rats (male/female)
 > 2000 mg/kg

Ethanol

Species rabbit
 LD50 15800 mg/kg

Acute inhalative toxicity (Components)**Eugenol**

Species rat
 LD > 2580 mg/m³
 Duration of exposure 4 h

Ethanol

Species rat
 LC50 30000 mg/m³
 Duration of exposure 4 h
 Administration/Form Vapors

Skin corrosion/irritation**Rosae aetheroleum verum**

Remarks Irritating to skin.

Serious eye damage/irritation**Rosae aetheroleum verum**

Remarks Risk of serious damage to eyes.

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Sensitization**Rosae aetheroleum verum**

Remarks May cause sensitization by skin contact.

Sensitization (Components)**citronellol**Species mouse
evaluation sensitizing
Remarks May cause sensitization by skin contact.**(R)-p-mentha-1,8-diene**Species mouse
evaluation sensitizing
Method OECD 429
Remarks May cause sensitization by skin contact.**Citral**Species mouse
evaluation sensitizing
Method OECD 429**Mutagenicity (Components)****Citral**Species hamster
evaluation No experimental information on genotoxicity in vitro available.
Remarks negative**Citral**Species mouse
Remarks negative**Eugenol**Species rat
evaluation DNA damage**Eugenol**Species mouse
evaluation May cause genetic defects.**Eugenol**Species hamster
evaluation May cause genetic defects.**Carcinogenicity (Components)****Eugenol**Species mouse
evaluation Essential points have been found for a possible cancer causing effects in the experiment on test animals.
Remarks Based on available data, the classification criteria are not met.
Source RTECS**SECTION 12: Ecological information****12.1. Toxicity****Fish toxicity (Components)****Geraniol**LC50 Medi 3.45 mg/l
an
Duration of exposure 96 h**citronellol**

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| | | | | |
|----------------------|------------------------------|----|----|------|
| Species | golden orfe (Leuciscus idus) | | | |
| LC50 | 10 | to | 22 | mg/l |
| Duration of exposure | 96 | h | | |

Eugenol

| | | | | |
|----------------------|--------------------------------|---|--|------|
| Species | zebra fish (Brachydanio rerio) | | | |
| LC50 | 13 | | | mg/l |
| Duration of exposure | 96 | h | | |
| Method | OECD 203 | | | |

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

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

Citral

| | | | | |
|----------------------|------------------------------|---|--|------|
| Species | golden orfe (Leuciscus idus) | | | |
| LC50 | 6.78 | | | mg/l |
| Duration of exposure | 96 | h | | |
| Method | DIN 38412 T.15 | | | |

Daphnia toxicity (Components)**citronellol**

| | | | | |
|----------------------|---------|---|--|------|
| Species | Daphnia | | | |
| EC50 | 17 | | | mg/l |
| Duration of exposure | 48 | h | | |

Eugenol

| | | | | |
|---------|---------|--|--|------|
| Species | Daphnia | | | |
| EC50 | 1.13 | | | mg/l |

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

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

Citral

| | | | | |
|----------------------|---------------|---|--|------|
| Species | Daphnia magna | | | |
| EC50 | 6.8 | | | mg/l |
| Duration of exposure | 48 | h | | |

Algae toxicity (Components)**citronellol**

| | | | | |
|----------------------|-----|---|--|------|
| EC50 | 2.4 | | | mg/l |
| Duration of exposure | 72 | 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 | | | % |
| evaluation | Readily biodegradable | | | |

Citral

| | | | | |
|------------|-----------------------|----|----|---|
| Value | 85 | to | 95 | % |
| evaluation | Readily biodegradable | | | |

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Method OECD 301C

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

Value 2050 mg/g

12.3. Bioaccumulative potential**Partition coefficient: n-octanol/water****Rosae aetheroleum verum**

Remarks not determined

Octanol/water partition coefficient (log Pow) (Components)**Eugenol**

log Pow 2.7

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

log Pow 4.2

Citral

log Pow 2.9

Temperature 25 °C

12.6. Other adverse effects**General information / ecology**

Do not allow it to reach 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 ***

| | Land transport ADR/RID *** | Marine transport IMDG/GGVSee *** | Air transport ICAO/IATA *** |
|------------------------|-------------------------------|---|---|
| 14.1. UN number | Non-dangerous goods | The product does not constitute a hazardous substance in sea transport. | The product does not constitute a hazardous substance in air transport. |

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 WGK 3

(Germany)

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. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H341 | Suspected of causing genetic defects. |
| H351 | Suspected of causing cancer. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| 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 |
| Carc. 2 | Carcinogenicity, Category 2 |
| Eye Dam. 1 | Serious eye damage, Category 1 |
| Eye Irrit. 2 | Eye irritation, Category 2 |
| Flam. Liq. 3 | Flammable liquid, Category 3 |
| Muta. 2 | Germ cell mutagenicity, 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.