

Trade name: Coriandri aetheroleum

Substance number: 014350

Version: 6 / CH

Date revised: 01.10.2019

Replaces Version: 5 / CH

Print date: 01.10.19

SECTION 1: Identification of the substance/mixture and of the company/undertaking *****1.1. Product identifier**

Coriandri aetheroleum

Item No. 01435000

Substance / product identification ***

INCI CORIANDRUM SATIVUM FRUIT OIL

CAS-No. 8008-52-4

REACH Registry No. 05-2114766258-37

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)

Skin Irrit. 2 H315

Eye Dam. 1 H318

Skin Sens. 1 H317

Asp. Tox. 1 H304

Aquatic Chronic 2 H411

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. |
| H304 | May be fatal if swallowed and enters airways. |
| H411 | Toxic to aquatic life with long lasting effects. |

Precautionary statements

| | |
|----------------|--|
| 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. |
| P310 | Immediately call a POISON CENTER or doctor. |
| P331 | Do NOT induce vomiting. |

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

| | |
|--------------|---|
| contains *** | Geraniol; 3,7-Dimethyl-1,6-octadien-3-ol; (R)-p-mentha-1,8-diene; alpha-Pinene, not specified; p-Isopropyl toluene; geranyl acetate |
|--------------|---|

SECTION 3: Composition/information on ingredients**Hazardous ingredients****3,7-Dimethyl-1,6-octadien-3-ol**

| | |
|--|-----------|
| CAS No. | 78-70-6 |
| EINECS no. | 201-134-4 |
| Concentration | >= 50 % |
| Classification (Regulation (EC) No. 1272/2008) | |
| Skin Irrit. 2 | H315 |
| Eye Irrit. 2 | H319 |
| Skin Sens. 1B | H317 |

alpha-Pinene, not specified

| | |
|--|-------------|
| CAS No. | 80-56-8 |
| EINECS no. | 201-291-9 |
| Concentration | >= 1 < 10 % |
| 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 |

Bornan-2-one

| | |
|--|-----------------------|
| CAS No. | 76-22-2 |
| EINECS no. | 200-945-0 |
| Registration no. | 01-2119966156-31-XXXX |
| Concentration | >= 1 < 10 % |
| Classification (Regulation (EC) No. 1272/2008) | |
| Flam. Sol. 2 | H228 |
| Acute Tox. 4 | H302 |

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Acute Tox. 4
STOT SE 2H332
H371Lungs; Route of exposure:
inhalative**(R)-p-mentha-1,8-diene**

CAS No. 5989-27-5

EINECS no. 227-813-5

Concentration ≥ 1 < 10 %

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

geranyl acetate

CAS No. 105-87-3

EINECS no. 203-341-5

Concentration ≥ 1 < 10 %

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

Skin Irrit. 2 H315

Skin Sens. 1 H317

Aquatic Chronic 3 H412

Geraniol

CAS No. 106-24-1

EINECS no. 203-377-1

Concentration ≥ 3 < 10 %

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

Skin Irrit. 2 H315

Skin Sens. 1 H317

Eye Dam. 1 H318

p-Isopropyl toluene

CAS No. 99-87-6

EINECS no. 202-796-7

Concentration ≥ 1 < 10 %

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

Flam. Liq. 3 H226

Asp. Tox. 1 H304

Aquatic Chronic 2 H411

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.

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After skin contact

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

After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

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

Non suitable extinguishing media

Full water jet

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).

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. When picked up, treat material as prescribed under Section 13 "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. Ensure adequate ventilation. Keep away sources of ignition. Procure extinguisher. Smoking, eating and drinking should be prohibited in application area.

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

Keep container tightly closed in a well-ventilated place. Keep in a dry place. Use aluminium containers. Use glass 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 away from sources of ignition.

SECTION 8: Exposure controls/personal protection

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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 | | | | |

Bornan-2-one

| | | | | |
|--|------|-------------------|---|--------|
| List | SUVA | | | |
| Type | MAK | | | |
| Value | 13 | mg/m ³ | 2 | ppm(V) |
| Status: 2017; Remarks: Auge & OAW; NIOSH | | | | |

8.2. Exposure controls

Respiratory protection

Provide good ventilation of working area (local exhaust ventilation if necessary). Breathing apparatus in the event of vapours.

Hand protection

Gloves
Appropriate Material: Gloves / multi-resistant to chemicals: Barrier 02-100 (Ansell)

Eye protection

Safety glasses; Face shield

Body protection

apron

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--------|-------------------------|
| Form | liquid |
| Colour | colourless to yellowish |
| Odour | characteristic |

Initial boiling point and boiling range

Remarks: No data available

Flash point

Value: 63 °C

Vapour pressure

Remarks: not determined

Density

Value: 0.86 to 0.88 g/cm³
Temperature: 20 °C
Remarks: Relative Density according specification

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.

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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. Reactions with strong alkalies and oxidising agents.

10.6. Hazardous decomposition products

Carbon monoxide

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)**Geraniol**

| | | | |
|---------|-----|------|-------|
| Species | rat | | |
| LD50 | | 3600 | 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 |

Bornan-2-one

| | | | |
|---------|-------|--------------|-------|
| Species | mouse | | |
| LD50 | | 1310 to 5000 | mg/kg |

Acute dermal toxicity (Components)**Geraniol**

| | | | |
|---------|--------|------|-------|
| Species | rabbit | | |
| | > | 5000 | mg/kg |

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

| | | | |
|---------|--------|------|-------|
| Species | rabbit | | |
| LD50 | > | 5000 | mg/kg |

Bornan-2-one

| | | | |
|---------|--------|------|-------|
| Species | rabbit | | |
| LD50 | > | 5000 | mg/kg |

Acute inhalational toxicity

| | | | |
|---------------------|--|----|------|
| ATE | > | 20 | mg/l |
| Administration/Form | Dust/Mist | | |
| Method | calculated value (Regulation (EC) No. 1272/2008) | | |

Acute inhalative toxicity (Components)**Bornan-2-one**

| | | | |
|------|--|-----|------|
| LC50 | | 1.5 | mg/l |
|------|--|-----|------|

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Skin corrosion/irritation

Remarks Irritating to skin.

Serious eye damage/irritation

evaluation irritant - risk of serious damage to eyes

Serious eye damage/irritation (Components)**Geraniol**

evaluation irritant - risk of serious damage to eyes

Remarks Irritates the eyes.

Sensitization

Remarks May cause sensitization by skin contact.

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

Species mouse

evaluation sensitizing

Method OECD 429

Remarks May cause sensitization by skin contact.

SECTION 12: Ecological information *****12.1. Toxicity****Fish toxicity (Components)****Geraniol**LC50 Medi 3.45 mg/l
an

Duration of exposure 96 h

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

Species Fathead minnow (Pimephales promelas)

LC50 0.72 mg/l

Duration of exposure 96 h

Method OECD 203

Bornan-2-one

LC50 35 mg/l

Duration of exposure 96 h

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 %

evaluation Readily biodegradable

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12.3. Bioaccumulative potential

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

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

log Pow

4.2

12.5. Results of PBT and vPvB assessment

Evaluation of persistence and bioaccumulation potential ***

The Substance doesn't meets PBT/vPvB-criteria

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

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| | Land transport ADR/RID | Marine transport IMDG/GGVSee | Air transport ICAO/IATA |
|----------------------------------|--|--|--|
| Tunnel restriction code | - | | |
| 14.1. UN number | 3082 | 3082 | 3082 |
| 14.2. UN proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((R)-p-mentha-1,8-diene) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((R)-p-mentha-1,8-diene) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((R)-p-mentha-1,8-diene) |
| 14.3. Transport hazard class(es) | 9 | 9 | 9 |
| Label |  |  |  |
| 14.4. Packing group | III | III | III |
| Limited Quantity | 5 I | | |
| 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

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. |
| 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. |

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| | |
|------|---|
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H371 | May cause damage to organs. |
| 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. |
| H412 | Harmful 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 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment, chronic, Category 3 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Eye Dam. 1 | Serious eye damage, 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 |
| STOT SE 2 | Specific target organ toxicity - single exposure, Category 2 |

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.