

Trade name: Gaultheriae aetheroleum

Substance number: 014550

Version: 7 / CH

Date revised: 21.12.2022

Replaces Version: 6 / CH

Print date: 21.12.22

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

### **1.1. Product identifier**

Gaultheriae aetheroleum

Item No. 01455000

#### **Substance / product identification**

CAS-No. 68917-75-9

EINECS-No. 289-888-0

INCI Gaultheria procumbens leaf 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

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)

Acute Tox. 4 H302

Skin Sens. 1B H317

Repr. 2 H361d

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**

Warning

#### **Hazard statements \*\*\***

Trade name: Gaultheriae aetheroleum

Substance number: 014550

Version: 7 / CH

Date revised: 21.12.2022

Replaces Version: 6 / CH

Print date: 21.12.22

H302 Harmful if swallowed.  
 H317 May cause an allergic skin reaction.  
 H361d Suspected of damaging the unborn child.  
 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.  
 P308+P313 IF exposed or concerned: Get medicinal advice/attention.  
 P501.3 Disposal in compliance with local and national regulations.

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

contains \*\*\* Methyl salicylate; (R)-p-mentha-1,8-diene; 3,7-Dimethyl-1,6-octadien-3-ol; alpha-Pinene, not specified; beta-Pinene, not specified

**2.3. Other hazards**

The Substance does not meet PBT-criteria. This substance does not meet the vPvB-criteria. This substance does not have endocrine disrupting properties with respect to humans. This substance does not have endocrine disrupting properties with respect to non-target organisms.

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

Essential oil

**Hazardous ingredients \*\*\*****Methyl salicylate**

CAS No.	119-36-8			
EINECS no.	204-317-7			
Concentration	>=	50		%
Classification (Regulation (EC) No. 1272/2008)				
	Acute Tox. 4		H302	
	Skin Sens. 1B		H317	
	Repr. 2		H361d	
	Aquatic Chronic 3		H412	

ATE oral 887 mg/kg

**(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. 1B		H317	
	Aquatic Acute 1		H400	
	Aquatic Chronic 3		H412	

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

Aquatic Acute 1 M = 1

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

CAS No.	78-70-6			
EINECS no.	201-134-4			
Concentration	>=	0.1	<	1 %

Trade name: Gaultheriae aetheroleum

Substance number: 014550

Version: 7 / CH

Date revised: 21.12.2022

Replaces Version: 6 / CH

Print date: 21.12.22

## 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 &gt;= 0.25 &lt; 1 %

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

Flam. Liq. 3	H226
Asp. Tox. 1	H304
Skin Irrit. 2	H315
Skin Sens. 1B	H317
Aquatic Acute 1	H400
Aquatic Chronic 1	H410
Acute Tox. 4	H302

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

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

**beta-Pinene, not specified**

CAS No. 127-91-3

EINECS no. 204-872-5

Concentration &gt;= 0.25 &lt; 1 %

## 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

**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**

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

**SECTION 5: Firefighting measures**

Trade name: Gaultheriae aetheroleum

Substance number: 014550

Version: 7 / CH

Date revised: 21.12.2022

Replaces Version: 6 / CH

Print date: 21.12.22

**5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide, Dry chemical extinguisher, Foam

**Non suitable extinguishing media**

Full water jet

**5.2. Special hazards arising from the substance or mixture**

In the event of fire the following can be released: Carbon monoxide (CO); Development of toxic gases

**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**

Avoid contact with skin, eyes and clothing. Do not inhale vapours. Keep away sources of ignition.

**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**

Pick up with absorbent material (eg sand, kieselgur, acid binder, universal binder, sawdust). Take up mechanically and collect in suitable container for disposal.

**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**

Because of its sensitivity to light the product should be kept in brown glass or refined steel containers. Use glass containers. Use aluminium containers. Keep tightly closed in a dry and cool place.

**Storage classes**

Storage class according to TRGS 510	10	Flammable liquids
Storage category (Switzerland)	10/12	Other liquid hazardous substances

**Further information on storage conditions**

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

Trade name: Gaultheriae aetheroleum

Substance number: 014550

Version: 7 / CH

Date revised: 21.12.2022

Replaces Version: 6 / CH

Print date: 21.12.22

Value	40	mg/m <sup>3</sup>	7	ppm(V)
Short term exposure limit	80	mg/m <sup>3</sup>	14	ppm(V)

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

## 8.2. Exposure controls

### Respiratory protection

Provide good ventilation of working area (local exhaust ventilation if necessary). Not necessary, but do not inhale vapours.

### Hand protection

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.

Appropriate Material                      Gloves / resistant to chemicals

### Eye protection

Safety glasses with side protection shield

### Body protection

apron

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Physical state</b>	liquid, clear
<b>Colour</b>	colourless to yellow
<b>Odour</b>	phenolic
<b>Odour</b>	sweetish
<b>Odour</b>	characteristic

### Melting point

Remarks                                      not determined

### Boiling point or initial boiling point and boiling range

Remarks                                      not determined

### Upper and lower explosive limits

Remarks                                      not determined

### Flash point

Value    96    °C

### Viscosity

Remarks                                      not determined

### Solubility(ies)

Remarks                                      not determined

### Partition coefficient n-octanol/water (log value)

Remarks                                      not determined

### Vapour pressure

Remarks                                      not determined

### Density and/or relative density

Value	1.1760	to	1.1820
Remarks	Relative Density according specification		

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Trade name: Gaultheriae aetheroleum

Substance number: 014550

Version: 7 / CH

Date revised: 21.12.2022

Replaces Version: 6 / CH

Print date: 21.12.22

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 strong acids. Alkalies, Oxidising agents

**10.6. Hazardous decomposition products**

Carbon monoxide

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

ATE	895.959	mg/kg
	6	
Method	calculated value (Regulation (EC) No. 1272/2008)	

**Acute oral toxicity (Components)****Methyl salicylate**

Species	rat	
LD50	887	mg/kg
Source	IUCLID	

**Methyl salicylate**

Species	Human	
LDLo	506	mg/kg
Source	RTECS	

**(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)****Methyl salicylate**

Species	rabbit	
LD50	> 5000	mg/kg
Source	IUCLID	

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

Species	rabbit	
LD50	> 5000	mg/kg

**Acute inhalative toxicity (Components)****Methyl salicylate**

Remarks	Irritating to respiratory system.
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Trade name: Gaultheriae aetheroleum

Substance number: 014550

Version: 7 / CH

Date revised: 21.12.2022

Replaces Version: 6 / CH

Print date: 21.12.22

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

Remarks No data available.

**Skin corrosion/irritation (Components)****Methyl salicylate**Species rabbit  
evaluation slightly irritant  
Method OECD 404**(R)-p-mentha-1,8-diene**

Remarks No data available.

**Serious eye damage/irritation (Components)****Methyl salicylate**Species rabbit  
evaluation non-irritant  
Method OECD 405**(R)-p-mentha-1,8-diene**Species rabbit  
evaluation non-irritant  
Method OECD 405  
Remarks No effect of irritation known**Sensitization**

evaluation sensitizing

**Sensitization (Components)****Methyl salicylate**

evaluation non-sensitizing

**(R)-p-mentha-1,8-diene**Species mouse  
evaluation sensitizing  
Method OECD 429  
Remarks May cause sensitization by skin contact.**Subacute, subchronic, chronic toxicity (Components)****(R)-p-mentha-1,8-diene**

Remarks No data available.

**Mutagenicity (Components)****Methyl salicylate**

evaluation No mutagenicity in the Ames-test.

**Methyl salicylate**Species mammal, species unspecified  
evaluation No mutagenicity according to various in vitro tests.**(R)-p-mentha-1,8-diene**Species mouse  
Remarks negative**(R)-p-mentha-1,8-diene**Species rat (male)  
Remarks negative**Reproductive toxicity**

evaluation Suspected of damaging fertility or the unborn child.

**Reproduction toxicity (Components)****Methyl salicylate**

Remarks Not documented.

Trade name: Gaultheriae aetheroleum

Substance number: 014550

Version: 7 / CH

Date revised: 21.12.2022

Replaces Version: 6 / CH

Print date: 21.12.22

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

Remarks No data available.

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

Species rat  
 Remarks May cause cancer.  
 Source RTECS

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

Species mouse  
 Remarks Based on available data, the classification criteria are not met.  
 Source RTECS

**Specific Target Organ Toxicity (STOT) (Components)****(R)-p-mentha-1,8-diene**

Remarks Not applicable

**11.2 Information on other hazards****Endocrine disrupting properties with respect to humans**

This substance does not have endocrine disrupting properties with respect to humans.

**SECTION 12: Ecological information \*\*\*****12.1. Toxicity****General information**

May cause long lasting harmful effects to aquatic life.

**Fish toxicity (Components)****Methyl salicylate**

Species zebra fish (*Brachydanio rerio*)  
 LC50 > 100 mg/l  
 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

**Daphnia toxicity (Components)****Methyl salicylate**

Species *Daphnia magna*  
 EC50 50 mg/l  
 Duration of exposure 24 h  
 Source IUCLID

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

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

**Algae toxicity (Components)****Methyl salicylate**

IC50 > 100 mg/l  
 Duration of exposure 72 h

**Methyl salicylate**Species *Desmodesmus subspicatus*



Trade name: Gaultheriae aetheroleum

Substance number: 014550

Version: 7 / CH

Date revised: 21.12.2022

Replaces Version: 6 / CH

Print date: 21.12.22

NOEC	6.25	mg/l
Duration of exposure	72 h	
Method	OECD 201	

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

Remarks No data available.

**Bacteria toxicity (Components)****Methyl salicylate**

Species	Pseudomonas putida	
EC50	380	mg/l
Duration of exposure	16 h	
Source	IUCLID	

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

Species	activated sludge	
EC50	3.94	mg/l
Method	OECD 209	

**12.2. Persistence and degradability****Physico-chemical eliminability (Components)****(R)-p-mentha-1,8-diene**

Remarks No data available.

**Biodegradability (Components)****Methyl salicylate**

Value	98.4	%
Duration of test	28 d	
evaluation	Readily biodegradable	
Method	OECD 301 B	

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

Value	71	%
evaluation	Readily biodegradable	

**Ready degradability (Components)****(R)-p-mentha-1,8-diene****Chemical oxygen demand (COD) (Components)****(R)-p-mentha-1,8-diene**

Remarks No data available.

**Biochemical oxygen demand (BOD5) (Components)****(R)-p-mentha-1,8-diene**

Remarks No data available.

**12.3. Bioaccumulative potential****Partition coefficient n-octanol/water (log value)**

Remarks not determined

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

log Pow 4.2

**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**

Trade name: Gaultheriae aetheroleum

Substance number: 014550

Version: 7 / CH

Date revised: 21.12.2022

Replaces Version: 6 / CH

Print date: 21.12.22

**Results of PBT and vPvB assessment \*\*\***

The Substance does not meet PBT-criteria.

This substance does not meet the vPvB-criteria.

**12.6 Endocrine disrupting properties****Endocrine disrupting properties with respect to the environment**

This substance does not have endocrine disrupting properties with respect to non-target organisms.

**12.7. 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**

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
<b>14.1. UN number</b>	The product does not constitute a hazardous substance in land transport.	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 (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.
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.
H361d	Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Trade name: Gaultheriae aetheroleum

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Replaces Version: 6 / CH

Print date: 21.12.22

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 3	Hazardous to the aquatic environment, chronic, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Flam. Liq. 3	Flammable liquid, Category 3
Repr. 2	Reproductive toxicity, 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.