

Trade name: Caryophylli floris aeth

Substance number: 013900

Version: 6 / CH

Date revised: 17.12.2018

Replaces Version: 5 / CH

Print date: 25.03.19

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

1.1. Product identifier

Caryophylli floris aeth

Item No. 01390000

Registration no.

CAS No. 8000-34-8

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 Sens. 1B H317

Eye Irrit. 2 H319

Asp. Tox. 1 H304

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

Hazard statements

H317

May cause an allergic skin reaction.

H319

Causes serious eye irritation.

H304

May be fatal if swallowed and enters airways.

Trade name: Caryophylli floris aeth

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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.
P331	Do NOT induce vomiting.
P501.3	Disposal in compliance with local and national regulations.

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

contains Eugenol; beta-Caryophyllen

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

Essential oil

Hazardous ingredients**Eugenol**

CAS No.	97-53-0			
EINECS no.	202-589-1			
Concentration	>=	50		%
Classification (Regulation (EC) No. 1272/2008)				
	Skin Sens. 1B		H317	
	Eye Irrit. 2		H319	

4-allyl-2-methoxyphenyl acetate

CAS No.	93-28-7			
EINECS no.	202-235-6			
Concentration	>=	10	<	25 %
Classification (Regulation (EC) No. 1272/2008)				
	Acute Tox. 4		H302	

beta-Caryophyllen

CAS No.	87-44-5			
EINECS no.	201-746-1			
Concentration	>=	10	<	25 %
Classification (Regulation (EC) No. 1272/2008)				
	Asp. Tox. 1		H304	

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.). By continuous complaints consult a physician.

After ingestion

By continuous complaints consult a physician.

Trade name: Caryophylli floris aeth

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide, Dry powder, Extinguishing measures to suit surroundings

Non suitable extinguishing media

Water

5.2. Special hazards arising from the substance or mixture

Development of toxic gases

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

Not required.

6.2. Environmental precautions

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.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid formation of aerosols.

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

No special requirements.

Hints on storage assembly

Not required.

Further information on storage conditions

Keep container tightly closed.

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

General protective and hygiene measures

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

Respiratory protection

Trade name: Caryophylli floris aeth

Substance number: 013900

Version: 6 / CH

Date revised: 17.12.2018

Replaces Version: 5 / CH

Print date: 25.03.19

In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection

Protective gloves

Appropriate Material Gloves / resistant to chemicals

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

Safety glasses; Tightly fitting safety glasses

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Form** liquid, clear**Colour** yellow to brownish**Odour** characteristic**Melting point**

Remarks not determined

Flash point

Value 102 °C

DensityValue 1.0300 to 1.0630 g/cm³

Remarks Relative Density according specification

Solubility in water

Remarks Immiscible resp. little miscible.

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

Heat

10.5. Incompatible materials

Reactions with strong acids. Strong bases, Avoid contact with oxidizing substances.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

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)

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beta-Caryophyllen

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

Eugenol

Species	rat		
LD50	>	2000	mg/kg
Method	OECD 423		

Eugenol

Species	rat		
LDLo		800	mg/kg
Remarks	intraperitoneal		

4-allyl-2-methoxyphenyl acetate

Species	rat		
LD50		1670	mg/kg

4-allyl-2-methoxyphenyl acetate

Species	rat		
LDLo		48	mg/kg
Source	Intratracheal (RTECS)		

Acute dermal toxicity (Components)**4-allyl-2-methoxyphenyl acetate**

Species	rabbit		
LD50	>	5000	mg/kg

Acute inhalative toxicity (Components)**Eugenol**

Species	rat		
LD	>	2580	mg/m ³
Duration of exposure	4	h	

Serious eye damage/irritation

evaluation	irritant - risk of serious damage to eyes
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Sensitization

Remarks	May cause allergic skin reactions.
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Reproductive toxicity

Remarks	No data available.
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Carcinogenicity

Remarks	No data available.
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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

Specific Target Organ Toxicity (STOT)

Remarks	Not applicable
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Other information

Observe the usual precautions for handling chemicals.
Warning - substance not yet fully tested.

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SECTION 12: Ecological information

12.1. Toxicity

Fish toxicity (Components)

Eugenol

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

Daphnia toxicity (Components)

Eugenol

Species	Daphnia	
EC50	1.13	mg/l

12.3. Bioaccumulative potential

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

Eugenol

log Pow	2.7
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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. Hazard for drinking water supplies. Product is hazardous to water.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

EWC waste code	No not dispose with rubbish.
EWC waste code	Should not be released into the sanitary sewer system.

Disposal recommendations for packaging

Disposal in compliance with local and national regulations.

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

Trade name: Caryophylli floris aeth

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Water Hazard Class (Germany)

Water Hazard Class (Germany) WGK 3

Remarks Classification according to Annex 4 VwVwS

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**

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

CLP categories listed in Chapter 3

Acute Tox. 4	Acute toxicity, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Eye irritation, Category 2
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.