

Trade name: Juniperi aetheroleum

Substance number: 014775

Version: 6 / CH

Date revised: 06.03.2024

Replaces Version: 5 / CH

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

### **1.1. Product identifier**

Juniperi aetheroleum

Item No. 01477500

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

INCI JUNIPERUS COMMUNIS FRUIT OIL

CAS-No. 8002-68-4

REACH Registry No. 01-2120110803-69

### **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)

Flam. Liq. 3	H226
Skin Irrit. 2	H315
Eye Irrit. 2	H319
Skin Sens. 1	H317
Repr. 2	H361fd
Asp. Tox. 1	H304
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

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**



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**Signal word**

Danger

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

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H304	May be fatal if swallowed and enters airways.
H410	Very toxic to aquatic life with long lasting effects.

**Precautionary statements \*\*\***

P201	Obtain special instructions before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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.
P308+P313	IF exposed or concerned: Get medicinal advice/attention.
P331	Do NOT induce vomiting.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

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

contains \*\*\* alpha-Pinene, not specified; beta-Pinene, not specified; dipentene; citronellol; 3,7-Dimethyl-1,6-octadien-3-ol; linalyl acetate; geranyl acetate; 3-Carene, not specified; p-mentha-1,4-diene; p-mentha-1,3-diene; p-mentha-1,4(8)-diene; 7-Methyl-3-methylenocta-1,6-dien; beta-Caryophyllen; p-Isopropyl toluene

**2.3. Other hazards**

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

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

Essential oil

Mixture of the following listed substances with harmless admixtures.

**Hazardous ingredients \*\*\*****alpha-Pinene, not specified**

CAS No.	80-56-8
EINECS no.	201-291-9
Concentration	>= 25 < 50 %
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)

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

**7-Methyl-3-methylenocta-1,6-dien**

CAS No.	123-35-3			
EINECS no.	204-622-5			
Concentration	>= 10	< 25		%
Classification (Regulation (EC) No. 1272/2008)				
	Flam. Liq. 3	H226		
	Asp. Tox. 1	H304		
	Skin Irrit. 2	H315		
	Eye Irrit. 2	H319		
	Aquatic Acute 1	H400		
	Aquatic Chronic 2	H411		

Concentration limits (Regulation (EC) No. 1272/2008)  
M = 1

**p-menth-1-en-4-ol**

CAS No.	562-74-3			
EINECS no.	209-235-5			
Concentration	>= 10	< 25		%
Classification (Regulation (EC) No. 1272/2008)				
	Acute Tox. 4	H302		
	Skin Irrit. 2	H315		
	Eye Irrit. 2	H319		

cATpE	oral	500		mg/kg
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**dipentene**

CAS No.	138-86-3			
EINECS no.	205-341-0			
Concentration	>= 2.5	< 10		%
Classification (Regulation (EC) No. 1272/2008)				
	Flam. Liq. 3	H226		
	Skin Irrit. 2	H315		
	Skin Sens. 1	H317		
	Aquatic Acute 1	H400		
	Aquatic Chronic 1	H410		

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note C

**p-mentha-1,4-diene**

CAS No.	99-85-4			
EINECS no.	202-794-6			
Concentration	>= 3	< 10		%
Classification (Regulation (EC) No. 1272/2008)				
	Flam. Liq. 3	H226		
	Repr. 2	H361		
	Aquatic Chronic 2	H411		

**beta-Caryophyllen**

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

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**beta-Pinene, not specified**

CAS No. 127-91-3  
 EINECS no. 204-872-5  
 Concentration  $\geq$  2.5 < 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

**p-mentha-1,4(8)-diene**

CAS No. 586-62-9  
 EINECS no. 209-578-0  
 Concentration  $\geq$  2.5 < 10 %  
 Classification (Regulation (EC) No. 1272/2008)  
 Asp. Tox. 1  
 Flam. Liq. 3  
 Aquatic Chronic 2

**p-Isopropyl toluene**

CAS No. 99-87-6  
 EINECS no. 202-796-7  
 Concentration  $\geq$  1 < 2.5 %  
 Classification (Regulation (EC) No. 1272/2008)  
 Flam. Liq. 3 H226  
 Acute Tox. 3 H331  
 Asp. Tox. 1 H304  
 Aquatic Chronic 2 H411

cATpE inhalative, Dust/Mist 0.5 mg/l  
 cATpE inhalative, Vapors 3 mg/l

**p-mentha-1,3-diene**

CAS No. 99-86-5  
 EINECS no. 202-795-1  
 Concentration  $\geq$  1 < 2.5 %  
 Classification (Regulation (EC) No. 1272/2008)  
 Asp. Tox. 1  
 Flam. Liq. 3  
 Acute Tox. 4  
 Aquatic Chronic 2

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

CAS No. 78-70-6  
 EINECS no. 201-134-4  
 Concentration  $\geq$  0.1 < 1 %  
 Classification (Regulation (EC) No. 1272/2008)  
 Skin Irrit. 2 H315  
 Eye Irrit. 2 H319  
 Skin Sens. 1B H317

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**3-Carene, not specified**

CAS No.	13466-78-9			
EINECS no.	236-719-3			
Concentration	>= 0.1	<	1	%
Classification (Regulation (EC) No. 1272/2008)				
	Flam. Liq. 3		H226	
	Acute Tox. 4		H332	
	Asp. Tox. 1		H304	
	Skin Irrit. 2		H315	
	Skin Sens. 1		H317	
	Aquatic Chronic 2		H411	

**citronellol**

CAS No.	106-22-9			
EINECS no.	203-375-0			
Concentration	>= 0.1	<	1	%
Classification (Regulation (EC) No. 1272/2008)				
	Skin Irrit. 2		H315	
	Skin Sens. 1B		H317	
	Eye Irrit. 2		H319	

**linalyl acetate**

CAS No.	115-95-7			
EINECS no.	204-116-4			
Concentration	>= 0.1	<	1	%
Classification (Regulation (EC) No. 1272/2008)				
	Skin Irrit. 2		H315	
	Skin Sens. 1B		H317	
	Eye Irrit. 2		H319	

**geranyl acetate**

CAS No.	105-87-3			
EINECS no.	203-341-5			
Concentration	>= 0.1	<	1	%
Classification (Regulation (EC) No. 1272/2008)				
	Skin Irrit. 2		H315	
	Skin Sens. 1		H317	
	Aquatic Chronic 3		H412	

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Remove contaminated, soaked clothing immediately and dispose of safely.

**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

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physician.

**After ingestion**

Let plenty of water be drunk in small gulps. Ensure supply of fresh air. Summon a doctor immediately.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide, Dry powder, Sand

**Non suitable extinguishing media**

Full water jet

**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**

Wear protective equipment. Keep away unprotected persons.

**6.2. Environmental precautions**

In case the product spills into sewage waters, immediately inform the authorities. 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. Don't rinse away with water. When picked up, treat material as prescribed under Section 13 "Disposal".

**6.4. Reference to other sections**

Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

**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**

Keep away from sources of ignition - No smoking. Take action to prevent static discharges. Keep away from sources of heat and ignition.

**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

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Storage category (Switzerland)

3

Flammable liquid

**Further information on storage conditions**

Keep container tightly closed.

**SECTION 8: Exposure controls/personal protection \*\*\*****8.2. Exposure controls****Exposure controls**

See Section 7. No measures exceeding the ones mentioned necessary.

**General protective and hygiene measures**

Keep away from food-stuffs, beverages and feed-stocks. Take off immediately all contaminated clothing.  
Wash hands before breaks and after work. Avoid contact with skin. Avoid contact with skin and eyes.

**Respiratory protection**

Not necessary.

**Hand protection**

Protective gloves

Appropriate Material

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****Physical state**

liquid

**Colour**

colourless to pale yellow

**Odour**

characteristic

**Odour**

fruity

**Melting point**

Remarks

not determined

**Flash point**

Value

41

°C

**Density and/or relative density**

Value

0.8570

to

0.8760

g/cm<sup>3</sup>

Temperature

20

°C

**9.2. Other information****Solubility in water**

Remarks

not determined

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

No dangerous reactions known.

**10.2. Chemical stability**

Stable under recommended storage and handling conditions (see section 7).

**10.3. Possibility of hazardous reactions**

No hazardous reactions known.

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**10.4. Conditions to avoid**

No decomposition if stored and applied as directed.

**10.5. Incompatible materials**

No dangerous reactions known.

**10.6. Hazardous decomposition products**

No hazardous decomposition products known when handled according to prescribed instructions.

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

ATE	5'000	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

**Acute oral toxicity (Components)****citronellol**

Species	rat	
LD50	3450	mg/kg

**7-Methyl-3-methylenocta-1,6-dien**

Species	Rats (male/female)	
LD50	> 11390	mg/kg

**7-Methyl-3-methylenocta-1,6-dien**

Species	Rats (male/female)	
LOAEL	250	mg/kg

**beta-Caryophyllen**

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

**alpha-Pinene, not specified**

Species	rat	
	3700	mg/kg

**Acute dermal toxicity (Components)****citronellol**

Species	rabbit	
LD50	2650	mg/kg

**7-Methyl-3-methylenocta-1,6-dien**

Species	rabbit	
LD50	> 5000	mg/kg

**beta-Caryophyllen**

Remarks No data available.

**alpha-Pinene, not specified**

Species	rabbit	
LD50	> 5000	mg/kg

**Acute inhalational toxicity**

ATE	> 100	mg/l
Administration/Form	Vapors	
Method	calculated value (Regulation (EC) No. 1272/2008)	
ATE	> 20	mg/l
Administration/Form	Dust/Mist	
Method	calculated value (Regulation (EC) No. 1272/2008)	



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**Acute inhalative toxicity (Components)****citronellol**

Remarks No data available.

**7-Methyl-3-methylenocta-1,6-dien**

Remarks No data available.

**beta-Caryophyllen**

Remarks No data available.

**Skin corrosion/irritation**

Remarks Irritating effects on the skin and mucous membrane.

**Skin corrosion/irritation (Components)****citronellol**

Species	Human
Duration of exposure	48 h
evaluation	irritant
Remarks	Irritating to skin.

**7-Methyl-3-methylenocta-1,6-dien**

Species	rabbit
Observation Period	24 h
evaluation	irritant

**beta-Caryophyllen**

Species	rabbit
Duration of exposure	24 h
evaluation	non-irritant
Method	Draize method
Source	RTECS

**alpha-Pinene, not specified**

Species	Human
evaluation	irritant

**Serious eye damage/irritation**

Remarks Irritates the eyes.

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

Remarks No data available.

**7-Methyl-3-methylenocta-1,6-dien**

Species	rabbit
evaluation	irritant

**beta-Caryophyllen**

Remarks No data available.

**Sensitization**

Remarks May cause sensitization by skin contact.

**Sensitization (Components)****citronellol**

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

**7-Methyl-3-methylenocta-1,6-dien**

Species	mouse
evaluation	non-sensitizing
Method	OECD 429

**beta-Caryophyllen**

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Remarks No data available.

**Subacute, subchronic, chronic toxicity (Components)****citronellol**

Remarks No data available.

**7-Methyl-3-methylenocta-1,6-dien**

Remarks Not applicable

**Mutagenicity**

Remarks None

**Mutagenicity (Components)****citronellol**

Remarks No data available.

**7-Methyl-3-methylenocta-1,6-dien**

Species Salmonella typhimurium  
 evaluation No mutagenicity in the Ames-test.  
 Method Ames test

**7-Methyl-3-methylenocta-1,6-dien**

Species mouse  
 evaluation No mutagenicity in the micronucleus test.  
 Remarks negative

**beta-Caryophyllen**

Remarks No data available.

**Reproductive toxicity**

Remarks None

**Reproduction toxicity (Components)****citronellol**

Remarks No data available

**7-Methyl-3-methylenocta-1,6-dien**

Species rat  
 evaluation Can cause malformations.

**beta-Caryophyllen**

Remarks No data available.

**Carcinogenicity**

Remarks None

**Carcinogenicity (Components)****citronellol**

Remarks No data available.

**7-Methyl-3-methylenocta-1,6-dien**

Remarks No data available.

**Specific Target Organ Toxicity (STOT) (Components)****citronellol**

Remarks Not applicable

**beta-Caryophyllen**

Remarks Not applicable

**Aspiration hazard (Components)****beta-Caryophyllen**

Harmful: may cause lung damage if swallowed.

**11.2 Information on other hazards**

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**Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

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

Remarks Very toxic for fishes.

**Fish toxicity (Components)****citronellol**

Species	golden orfe ( <i>Leuciscus idus</i> )			
LC50	10	to	22	mg/l
Duration of exposure	96		h	

**7-Methyl-3-methylenocta-1,6-dien**

Remarks No data available.

**beta-Caryophyllen**

Remarks No data available.

**Daphnia toxicity (Components)****citronellol**

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

**7-Methyl-3-methylenocta-1,6-dien**

Remarks No data available.

**beta-Caryophyllen**

Remarks No data available.

**alpha-Pinene, not specified**

Species	Daphnia magna			
EC50	41			mg/l
Duration of exposure	48		h	

**Algae toxicity (Components)****citronellol**

EC50	2.4			mg/l
Duration of exposure	72		h	

**7-Methyl-3-methylenocta-1,6-dien**

Remarks No data available.

**beta-Caryophyllen**

Remarks No data available.

**Bacteria toxicity (Components)****citronellol**

Remarks No data available.

**7-Methyl-3-methylenocta-1,6-dien**

Remarks No data available.

**beta-Caryophyllen**

Remarks No data available.

**12.2. Persistence and degradability****Physico-chemical eliminability (Components)**

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**beta-Caryophyllen**

Remarks No data available.

**Biodegradability (Components)****citronellol**

evaluation Readily biodegradable

**7-Methyl-3-methylenocta-1,6-dien**

Value 76 %

Duration of test 28 d

evaluation Readily biodegradable

**beta-Caryophyllen**

Remarks No data available.

**alpha-Pinene, not specified**

Value 62 %

Duration of test 28 d

evaluation Readily biodegradable

Method OECD 301 B

**Ready degradability (Components)****citronellol****7-Methyl-3-methylenocta-1,6-dien****beta-Caryophyllen**

Remarks No data available.

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

Value 2050 mg/g

**12.3. Bioaccumulative potential****Octanol/water partition coefficient (log Pow) (Components)****7-Methyl-3-methylenocta-1,6-dien**

log Pow 5.285

Temperature 25 °C

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

The product contains no PBT substances

The product contains no vPvB substances.

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

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

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

Product is hazardous to water. Do not allow it to reach soil, ground water, water bodies or sewage system. Hazard for drinking water supplies. Very toxic for aquatic organisms.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations for the product**

EWC waste code No not dispose with rubbish.

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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 ***
Tunnel restriction code	D/E		
14.1. UN number	1197	1197	1197
14.2. UN proper shipping name	EXTRACTS, FLAVOURING, LIQUID (alpha-Pinene, not specified, dipentene)	EXTRACTS, FLAVOURING, LIQUID (alpha-Pinene, not specified, dipentene)	EXTRACTS, FLAVOURING, LIQUID (alpha-Pinene, not specified, dipentene)
14.3. Transport hazard class(es)	3	3	3
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 l		
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

**VOC**

VOC (CH) 5 %

**15.2. Chemical safety assessment**

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

**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.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H361	Suspected of damaging fertility or the unborn child.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
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. 3	Acute toxicity, Category 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 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 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.