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

1.1. Product identifier

Serpylli aetheroleum
Item No. 01594500

Registration no.

Registration no. 05-2114600206-65
CAS No. 84776-98-7

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 person responsible for this SDS sdb@haenseler.ch

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
Acute Tox. 4	H332
Skin Corr. 1B	H314
Eye Dam. 1	H318
Skin Sens. 1	H317
Repr. 2	H361fd
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

Hazard statements

H226	Flammable liquid and vapour.
H332	Harmful if inhaled.
H314	Causes severe skin burns and eye damage.
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.
H411	Toxic to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

Precautionary statements

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.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
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	Bornan-2-one; p-Isopropyl toluene; thymol; Geraniol; 3,7-Dimethyl-1,6-octadien-3-ol; geranyl acetate; alpha-Pinene, not specified; beta-Pinene, not specified; dipentene; d-carvone; Eugenol; linalyl acetate; citral; p-mentha-1,4-diene; p-mentha-1,3-diene; beta-Caryophyllen

Reduced labeling (<= 125 ml)

Hazard pictograms

Signal word

Danger

Hazard statements

H314	Causes severe skin burns and eye damage.
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.

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.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
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.

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

Hazardous ingredients

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		

p-mentha-1,4-diene

CAS No.	99-85-4				
EINECS no.	202-794-6				
Concentration	>=	10	<	25	%
Classification (Regulation (EC) No. 1272/2008)					
	Flam. Liq. 3		H226		
	Repr. 2		H361		
	Aquatic Chronic 2		H411		

thymol

CAS No.	89-83-8				
EINECS no.	201-944-8				
Concentration	>=	10	<	25	%
Classification (Regulation (EC) No. 1272/2008)					
	Acute Tox. 4		H302		
	Skin Corr. 1B		H314		
	Aquatic Chronic 2		H411		

ATE	oral	980	mg/kg

p-Isopropyl toluene

CAS No.	99-87-6				
EINECS no.	202-796-7				
Concentration	>=	10	<	14	%
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

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		

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

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

p-mentha-1,3-diene
CAS No. 99-86-5
EINECS no. 202-795-1
Concentration >= 2.5 < 10 %
Classification (Regulation (EC) No. 1272/2008)

Asp. Tox. 1
Flam. Liq. 3
Acute Tox. 4
Aquatic Chronic 2

Terpineol
CAS No. 8000-41-7
EINECS no. 232-268-1
Concentration >= 1 < 10 %
Classification (Regulation (EC) No. 1272/2008)

Skin Irrit. 2	H315
Eye Irrit. 2	H319

alpha-Pinene, not specified
CAS No. 80-56-8
EINECS no. 201-291-9
Concentration >= 2.5 < 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 1	H410
Acute Tox. 4	H302

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 < 3 %

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

Flam. Sol. 1	H228	
Acute Tox. 4	H302	
Acute Tox. 4	H332	
Skin Irrit. 2	H315	
Eye Dam. 1	H318	
STOT SE 2	H371	Lungs; Route of exposure: inhalative

ATE	oral	1’310	mg/kg
cATpE	inhalative, Dust/Mist	1.5	mg/l

dipentene

CAS No. 138-86-3
EINECS no. 205-341-0
Concentration >= 1 < 2.5 %
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

beta-Pinene, not specified

CAS No. 127-91-3
EINECS no. 204-872-5
Concentration >= 1 < 2.5 %
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

d-carvone

CAS No. 99-49-0
EINECS no. 202-759-5
Concentration >= 0.1 < 1 %
Classification (Regulation (EC) No. 1272/2008)

Skin Sens. 1B	H317

Eugenol

CAS No. 97-53-0
EINECS no. 202-589-1
Concentration >= 0.1 < 1 %
Classification (Regulation (EC) No. 1272/2008)

Skin Sens. 1B	H317
Eye Irrit. 2	H319

4-allylveratrole (Methyl eugenol)

CAS No. 93-15-2
EINECS no. 202-223-0
Concentration >= 0.1 < 1 %
Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4	H302
Muta. 2	H341
Carc. 2	H351

citral
CAS No. 5392-40-5
EINECS no. 226-394-6
Concentration >= 0.1 < 1 %
Classification (Regulation (EC) No. 1272/2008)

Skin Irrit. 2	H315
Eye Irrit. 2	H319
Skin Sens. 1	H317

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

Further ingredients

Carvacrol
CAS No. 499-75-2
EINECS no. 207-899-6
Concentration >= 10 < 25 %
Advice: [4]

p-mentha-1,4(8)-diene
CAS No. 586-62-9
EINECS no. 209-578-0
Concentration < 1 %
[4]
Classification (Regulation (EC) No. 1272/2008)

Asp. Tox. 1
Flam. Liq. 3
Aquatic Chronic 2

Note
[4] Voluntary information

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Remove the casualty into fresh air and keep him calm.

After skin contact

Remove contaminated, soaked clothing immediately and dispose of safely. In case of contact with skin

wash off with water.

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Remove contact lenses

After ingestion

If swallowed, seek medical advice immediately and show this container or label. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Aspiration hazard if swallowed - may enter the lungs and damage them. Allergic symptoms

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 the event of fire the following can be released: Carbon monoxide (CO); Carbon dioxide (CO2); Developpment of toxic gases

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

Avoid breathing vapours. Women of childbearing age should avoid the contact with the product. Avoid contact with eyes and skin.

6.2. Environmental precautions

Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr). When picked up, treat material as prescribed under Section 13 "Disposal".

6.4. Reference to other sections

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

Keep away from heat and sources of ignition. Smoking, eating and drinking should be prohibited in application area.

Advice on protection against fire and explosion

Take action to prevent static discharges.

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 cool place. explosion proof. Store away

from sources of ignition and heat.

Storage classes

Storage class according to TRGS 510	3	Flammable liquid
Storage category (Switzerland)	3	Flammable liquid

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

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.
Hand protection must comply with EN 374.

Eye protection

Tightly fitting safety glasses

Body protection

Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	yellow to brown
Odour	aromatic
Colour	clear
Odour	musty spicy

Flash point

Value	58	°C

Vapour pressure

Remarks	not determined

Density and/or relative density

Value	0.87	to	0.95	g/ml
Remarks	Relative Density according specification			

SECTION 10: Stability and reactivity

10.1. Reactivity

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

Heat

10.5. Incompatible materials

strong acids, Alkalies, Oxidising agents

10.6. Hazardous decomposition products

None

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity

ATE		6’324.13 79	mg/kg
Method	calculated value according to GHS (e.g see UN GHS)		
Remarks	Based on available data, the classification criteria are not met.		

Acute oral toxicity (Components)

Geraniol

Species	rat		
LD50		3600	mg/kg

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-allylveratrole (Methyl eugenol)

Species	rat		
LD50		810	mg/kg
Source	GESTIS-Stoffdatenbank		
Source	Food and Cosmetics Toxicology. Vol. 13, Pg. 857, 1975		

alpha-Pinene, not specified

Species	rat		
		3700	mg/kg

Bornan-2-one

Species	mouse		
LD50		1310	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

thymol

Species	rat		
LD50		980	mg/kg

Acute dermal toxicity

Remarks	Based on available data, the classification criteria are not met.		

Acute dermal toxicity (Components)

Geraniol

Species	rabbit		
	>	5000	mg/kg

beta-Caryophyllen

Remarks	No data available.

Eugenol

Remarks	No data available.

4-allylveratrole (Methyl eugenol)

Species	rabbit		
LD50	>	2030	mg/kg
Source	GESTIS-Stoffdatenbank		
Source	Toxicology and Applied Pharmacology. Vol. 31, Pg. 421, 1975		

alpha-Pinene, not specified

Species	rabbit		
LD50	>	5000	mg/kg

Bornan-2-one

Species	rabbit		
LD50	>	5000	mg/kg

citral

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

thymol

Species	rabbit		
LD50	>	2000	mg/kg

Acute inhalational toxicity

ATE		23.0769	mg/l
Administration/Form	Vapors		
Method	calculated value according to GHS (e.g see UN GHS)		
ATE		3.6585	mg/l
Administration/Form	Dust/Mist		
Method	calculated value according to GHS (e.g see UN GHS)		
Remarks	The classification criteria are met.		

Acute inhalative toxicity (Components)

Geraniol

Remarks	No data available.

beta-Caryophyllen

Remarks	No data available.

Eugenol

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

Bornan-2-one

LC50		1.5	mg/l

citral

Remarks	No data available.

Skin corrosion/irritation

evaluation	corrosive
Remarks	The classification criteria are met.

Skin corrosion/irritation (Components)

Geraniol

Species	guinea pig	
Duration of exposure	24	h
evaluation	irritant	
Source	RTECS	

Geraniol

Species	man	
Duration of exposure	24	h
evaluation	irritant	
Source	RTECS	

Geraniol

Species	rabbit	
Duration of exposure	24	h
evaluation	irritant	
Source	RTECS	

beta-Caryophyllen

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

Eugenol

Species	guinea pig	
Duration of exposure	24	h
evaluation	strongly irritant	
Source	RTECS	
Source	100 mg/ 24h	

Eugenol

Species	rabbit	
Duration of exposure	24	h
evaluation	strongly irritant	
Method	Draize method	
Source	RTECS	
Source	100 mg/ 24 h	

Eugenol

Species	guinea pig	
Duration of exposure	24	h
evaluation	Moderately irritating	
Method	Draize method	

alpha-Pinene, not specified

Species	Human
evaluation	irritant

citral

Species	rabbit
evaluation	irritant
Remarks	Irritating to skin.

thymol

Species	rabbit
evaluation	corrosive

thymol

Species	Human
Remarks	None
Source	4%

thymol

Species	Human
evaluation	corrosive

Serious eye damage/irritation

evaluation	corrosive
Remarks	The classification criteria are met.

Serious eye damage/irritation (Components)

Geraniol

evaluation	irritant - risk of serious damage to eyes
Remarks	Irritates the eyes.

beta-Caryophyllen

Remarks	No data available.

Eugenol

Species	rabbit
evaluation	irritant

citral

Species	rabbit
evaluation	irritant
Method	OECD 405
Remarks	Irritates the eyes.

thymol

evaluation	irritant - risk of serious damage to eyes

Sensitization

evaluation	May cause sensitization by skin contact.
Remarks	The classification criteria are met.

Sensitization (Components)

Geraniol

Remarks	No data available.

beta-Caryophyllen

Remarks	No data available.

Eugenol

Species	mouse
Method	OECD 429
Remarks	May cause allergic skin reactions.

citral

Species	mouse
evaluation	sensitizing
Method	OECD 429

Subacute, subchronic, chronic toxicity (Components)

Geraniol

Remarks	Not applicable

Mutagenicity

Remarks	Based on available data, the classification criteria are not met.

Mutagenicity (Components)

Geraniol

Remarks	No data available.

beta-Caryophyllen

Remarks	No data available.

Eugenol

Species	rat
evaluation	DNA damage

Eugenol

Species	mouse
evaluation	May cause genetic defects.

Eugenol

Species	hamster
evaluation	May cause genetic defects.

citral

Species	hamster
evaluation	No experimental information on genotoxicity in vitro available.
Remarks	negative

citral

Species	mouse
Remarks	negative

Reproductive toxicity

evaluation	Suspected of damaging fertility. Suspected of damaging the unborn child.
Remarks	The classification criteria are met.

Reproduction toxicity (Components)

Geraniol

Remarks	No data available.

beta-Caryophyllen

Remarks	No data available.

Eugenol

Remarks	No data available.

citral

Remarks	No data available.

Carcinogenicity

Remarks	Based on available data, the classification criteria are not met.

Carcinogenicity (Components)

Eugenol

Species	mouse
evaluation	Essential points have been found for a possible cancer causing effectsin the experiment on test animals.
Remarks	Based on available data, the classification criteria are not met.
Source	RTECS

citral

Remarks	No data available.

Specific Target Organ Toxicity (STOT)

Single exposure

Remarks	Based on available data, the classification criteria are not met.

Repeated exposure

Remarks	Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) (Components)

Geraniol

Remarks	Not applicable

beta-Caryophyllen

Remarks	Not applicable

Eugenol

Remarks	Not applicable

citral

Remarks: Not applicable

Aspiration hazard

The classification criteria are met.
Harmful: may cause lung damage if swallowed.

Aspiration hazard (Components)

beta-Caryophyllen
Harmful: may cause lung damage if swallowed.

11.2. Information on other hazards

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 (Components)

Geraniol

LC50	Median	3.45			mg/l
Duration of exposure		96	h		

beta-Caryophyllen

Remarks	No data available.

Eugenol

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

4-allylveratrole (Methyl eugenol)

LC50		6	to	8.1	mg/l
Source	GESTIS-Stoffdatenbank				

Bornan-2-one

LC50		35			mg/l
Duration of exposure		96	h		

citral

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

thymol

LC50		5			mg/l
Duration of exposure		96	h		

Daphnia toxicity (Components)

Geraniol

Remarks	No data available.

beta-Caryophyllen

Remarks	No data available.

Eugenol

Species	Daphnia		
EC50		1.13	mg/l

alpha-Pinene, not specified

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

citral

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

thymol

Species	Daphnia magna			
EC50	3.2			mg/l
Duration of exposure	96	h		

Algae toxicity (Components)

Geraniol

Remarks No data available.

beta-Caryophyllen

Remarks No data available.

Eugenol

Remarks No data available.

citral

Species	Desmodesmus subspicatus				
EC50			to	103.8	mg/l
Duration of exposure	-	72	h		

Bacteria toxicity (Components)

Geraniol

Remarks No data available.

beta-Caryophyllen

Remarks No data available.

Eugenol

Remarks No data available.

citral

Remarks No data available.

thymol

EC50	40	mg/l

12.2. Persistence and degradability

Physico-chemical eliminability (Components)

Geraniol

Remarks No data available.

beta-Caryophyllen

Remarks No data available.

Eugenol

Remarks No data available.

citral

Remarks No data available.

Biodegradability (Components)

Geraniol

Remarks No data available.

beta-Caryophyllen

Remarks No data available.

alpha-Pinene, not specified

Value	62			%
Duration of test	28	d		
evaluation	Readily biodegradable			
Method	OECD 301 B			

citral

Value	85	to	95	%
evaluation	Readily biodegradable			
Method	OECD 301C			

Ready degradability (Components)

Geraniol

Remarks No data available.

beta-Caryophyllen

Remarks No data available.

citral

Chemical oxygen demand (COD) (Components)

Geraniol

Remarks No data available.

citral

Remarks No data available.

Biochemical oxygen demand (BOD5) (Components)

Geraniol

Remarks No data available.

citral

Remarks No data available.

12.3. Bioaccumulative potential

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

Eugenol

log Pow 2.7

citral

log Pow	2.9	
Temperature	25	°C

Bioconcentration factor (BCF) (Components)

citral

Remarks No data available

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 envrionment

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

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 or ID number	2920	2920	2920
14.2. UN proper shipping name	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (thymol, p-mentha-1,4-diene)	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (thymol, p-mentha-1,4-diene)	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (thymol, p-mentha-1,4-diene)
14.3. Transport hazard class(es)	8	8	8
Subsidiary risk	3	3	3
Label			
14.4. Packing group	II	II	II
Limited Quantity	1 l	1 l	
Transport category	2		
14.5. Environmental hazards	ENVIRONMENTALLY HAZARDOUS	Marine Pollutant ENVIRONMENTALLY HAZARDOUS	ENVIRONMENTALLY HAZARDOUS
Tunnel restriction code	D/E		

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)	15.5	%

Other information

The product does not contain substances according to Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH) with a content of >= 0.1% w/w.

15.2. Chemical safety assessment

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

SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

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

Flam. Liq. 3	H226	On basis of test data
Acute Tox. 4	H332	Calculation method
Skin Corr. 1B	H314	Calculation method
Eye Dam. 1	H318	Calculation method
Skin Sens. 1	H317	Calculation method
Repr. 2	H361fd	Calculation method
Asp. Tox. 1	H304	Calculation method
Aquatic Chronic 2	H411	Calculation method

Hazard statements listed in Chapter 2/3

H226	Flammable liquid and vapour.
H228	Flammable solid.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H361	Suspected of damaging fertility or the unborn child.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
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 2/3

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
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
Flam. Sol. 1	Flammable solid, Category 1

Muta. 2	Germ cell mutagenicity, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1B	Skin corrosion, Category 1B
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.