

Trade name: Po-Ho aetheroleum compositum

Substance number: 015500

Version: 1 / CH

Date revised: 11.12.2025

Replaces Version: - / CH

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

1.1. Product identifier

Po-Ho aetheroleum compositum

Item No. 01550000

Registration no.

EC No.: -

CAS No. -

Substance / product identification

INCI -

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation

industry

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

Acute Tox. 4 H302

Skin Irrit. 2 H315

Eye Irrit. 2 H319

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

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**Signal word**

Danger

Hazard statements

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
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

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.
P331	Do NOT induce vomiting.

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

contains	Methyl salicylate; trans-menthone; turpentine, oil; isomenthone; 3,7-Dimethyl-1,6-octadien-3-ol; (R)-p-mentha-1,8-diene; alpha-Pinene, not specified; dipentene; 1,8-Cineole; Geraniol; isoeugenol; (E)-anethole; beta-Pinene, not specified; 3-Carene, not specified; dipentene; beta-Caryophyllen; p-Isopropyl toluene
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Reduced labeling (<= 125 ml)**Hazard pictograms****Signal word**

Danger

Hazard statements

H317	May cause an allergic skin reaction.
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.
P331	Do NOT induce vomiting.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P501.3	Disposal in compliance with local and national regulations.

2.3. Other hazards

The product contains no PBT substances. The product contains no vPvB substances. This product does

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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

L-menthol

CAS No.	2216-51-5			
EINECS no.	218-690-9			
Registration no.	01-2119458866-21-0022			
Concentration	>= 25	<	50	%
Classification (Regulation (EC) No. 1272/2008)				
	Skin Irrit. 2		H315	
	Eye Irrit. 2		H319	

1,8-Cineole

CAS No.	470-82-6			
EINECS no.	207-431-5			
Concentration	>= 25	<	50	%
Classification (Regulation (EC) No. 1272/2008)				
	Flam. Liq. 3		H226	
	Skin Sens. 1B		H317	

turpentine, oil

CAS No.	8006-64-2			
EINECS no.	232-350-7			
Registration no.	01-2119502456-45-XXXX			
Concentration	>= 10	<	19	%
Classification (Regulation (EC) No. 1272/2008)				
	Flam. Liq. 3		H226	
	Acute Tox. 4		H302	
	Acute Tox. 4		H312	
	Acute Tox. 4		H332	
	Asp. Tox. 1		H304	
	Skin Irrit. 2		H315	
	Eye Irrit. 2		H319	
	Skin Sens. 1		H317	
	Aquatic Chronic 2		H411	

ATE	oral	500	mg/kg
ATE	dermal	1'100	mg/kg
cATpE	inhalative, Dust/Mist	1.5	mg/l
cATpE	inhalative, Vapors	11	mg/l

trans-menthone

CAS No.	89-80-5			
EINECS no.	201-941-1			
Concentration	>= 1	<	10	%
Classification (Regulation (EC) No. 1272/2008)				
	Acute Tox. 4		H302	
	Aquatic Chronic 3		H412	

cATpE	oral	500	mg/kg
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(R)-p-mentha-1,8-diene

CAS No.	5989-27-5
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EINECS no. 227-813-5
 Concentration \geq 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

isomenthone

CAS No. 491-07-6
 EINECS no. 207-727-4
 Concentration \geq 1 < 10 %
 Classification (Regulation (EC) No. 1272/2008)
 Skin Irrit. 2 H315
 Skin Sens. 1 H317

p-menth-1-en-8-ol

CAS No. 10482-56-1
 EINECS no. 233-986-8
 Concentration \geq 1 < 10 %
 Classification (Regulation (EC) No. 1272/2008)
 Skin Irrit. 2 H315
 Eye Irrit. 2 H319

Methyl salicylate

CAS No. 119-36-8
 EINECS no. 204-317-7
 Registration no. 01-2119515671-44-0000
 Concentration \geq 1 < 2 %
 Classification (Regulation (EC) No. 1272/2008)
 Acute Tox. 4 H302
 Skin Sens. 1B H317
 Repr. 2 H361d
 Aquatic Chronic 3 H412
 Eye Dam. 1 H318

ATE oral 887 mg/kg
 ATE inhalative, Vapors 0.7 mg/l

p-mentha-1,4-diene

CAS No. 99-85-4
 EINECS no. 202-794-6
 Concentration \geq 1 < 2.5 %
 Classification (Regulation (EC) No. 1272/2008)
 Flam. Liq. 3 H226
 Repr. 2 H361
 Aquatic Chronic 2 H411

p-Isopropyl toluene

CAS No. 99-87-6
 EINECS no. 202-796-7
 Concentration \geq 1 < 1.7 %

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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

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

alpha-Pinene, not specified

CAS No. 80-56-8

EINECS no. 201-291-9

Concentration >= 1 < 2.5 %

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-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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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-Pinene, not specified

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CAS No. 127-91-3
 EINECS no. 204-872-5
 Concentration \geq 0.25 < 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
 1

dipentene

CAS No. 138-86-3
 EINECS no. 205-341-0
 Concentration \geq 0.25 < 1 %
 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

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

CAS No. 123-35-3
 EINECS no. 204-622-5
 Concentration \geq 0.1 < 1 %
 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

3-Carene, not specified

CAS No. 13466-78-9
 EINECS no. 236-719-3
 Concentration \geq 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

Geraniol

CAS No. 106-24-1
 EINECS no. 203-377-1

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Concentration	>=	0.1	<	1	%
Classification (Regulation (EC) No. 1272/2008)					
				H315	
				H317	
				H318	

(E)-anethole

CAS No.	4180-23-8				
EINECS no.	224-052-0				
Registration no.	01-2119979097-22-XXXX				
Concentration	>=	0.1	<	1	%
Classification (Regulation (EC) No. 1272/2008)					
				H317	

isoeugenol

CAS No.	97-54-1				
EINECS no.	202-590-7				
Concentration			<	0.1	%
Classification (Regulation (EC) No. 1272/2008)					
				H312	
				H302	
				H315	
				H319	
				H317	

Further ingredients**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)					

p-menth-1-en-4-ol

CAS No.	562-74-3				
EINECS no.	209-235-5				
Concentration			<	1	%
Advice: [4]					
Classification (Regulation (EC) No. 1272/2008)					
				H302	
				H315	
				H319	

p-menth-4(8)-en-3-one

CAS No.	89-82-7				
EINECS no.	201-943-2				
Concentration			<	1	%
Advice: [4]					
Classification (Regulation (EC) No. 1272/2008)					
				H302	

Isopulegol

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CAS No.	89-79-2			
EINECS no.	201-940-6			
Concentration		<	1	%
Advice: [4]				

p-mentha-1,3-diene

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

(R)-5-isopropyl-2-methylcyclohexa-1,3-diene

CAS No.	4221-98-1			
EINECS no.	224-167-6			
Concentration		<	1	%
Advice: [4]				
Classification (Regulation (EC) No. 1272/2008)				
			H226	
			H304	

3,7-dimethylocta-1,3,6-triene

CAS No.	13877-91-3			
EINECS no.	237-641-2			
Concentration		<	1	%
Advice: [4]				
Classification (Regulation (EC) No. 1272/2008)				
	Flam. Liq. 3		H226	
	Asp. Tox. 1		H304	
	Aquatic Chronic 3		H412	

4,5,6,7-tetrahydro-3,6-dimethylbenzofuran

CAS No.	494-90-6			
EINECS no.	207-795-5			
Concentration		<	1	%
Advice: [4]				
Classification (Regulation (EC) No. 1272/2008)				
	Acute Tox. 4		H302	
	Skin Irrit. 2		H315	
	Eye Irrit. 2		H319	
	Aquatic Chronic 2		H411	

Eugenol

CAS No.	97-53-0			
EINECS no.	202-589-1			
Concentration		<	1	%
Advice: [4]				
Classification (Regulation (EC) No. 1272/2008)				
	Skin Sens. 1B		H317	
	Eye Irrit. 2		H319	

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citral

CAS No. 5392-40-5
 EINECS no. 226-394-6
 Concentration < 1 %
 Advice: [4]
 Classification (Regulation (EC) No. 1272/2008)
 Skin Irrit. 2 H315
 Eye Irrit. 2 H319
 Skin Sens. 1 H317

benzaldehyde

CAS No. 100-52-7
 EINECS no. 202-860-4
 Concentration < 1 %
 Advice: [4]
 Classification (Regulation (EC) No. 1272/2008)
 Acute Tox. 4 H302
 Acute Tox. 4 H332
 Eye Irrit. 2 H319
 STOT SE 3 H335

(1S)-beta-Pinene

CAS No. 18172-67-3
 EINECS no. 242-060-2
 Concentration < 1 %
 [4]
 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

geranyl acetate

CAS No. 105-87-3
 EINECS no. 203-341-5
 Concentration < 1 %
 Advice: [4]
 Classification (Regulation (EC) No. 1272/2008)
 Skin Irrit. 2 H315
 Skin Sens. 1 H317
 Aquatic Chronic 3 H412

citronellol

CAS No. 106-22-9
 EINECS no. 203-375-0
 Concentration < 1 %
 Advice: [4]
 Classification (Regulation (EC) No. 1272/2008)
 Skin Irrit. 2 H315

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Skin Sens. 1B	H317
Eye Irrit. 2	H319

camphene

CAS No. 79-92-5

EINECS no. 201-234-8

Concentration < 1 %

Advice: [4]

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

Flam. Sol. 2 H228

Eye Irrit. 2 H319

Aquatic Chronic 1 H410

Farnesol

CAS No. 4602-84-0

EINECS no. 225-004-1

Concentration < 1 %

Advice: [4]

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

Skin Irrit. 2 H315

Skin Sens. 1 H317

Eye Irrit. 2 H319

benzyl benzoate

CAS No. 120-51-4

EINECS no. 204-402-9

Registration no. 01-2119976371-33-0006

Concentration < 1 %

Advice: [4]

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

Acute Tox. 4 H302

Aquatic Acute 1 H400

Aquatic Chronic 2 H411

Anethole

CAS No. 104-46-1

EINECS no. 203-205-5

Concentration < 1 %

Advice: [4]

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

Skin Sens. 1 H317

citronellal

CAS No. 106-23-0

EINECS no. 203-376-6

Concentration < 1 %

[4]

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

Skin Irrit. 2

Skin Sens. 1

Flam. Liq. 4

Aquatic Chronic 2

4-Allylanisol

CAS No. 140-67-0

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EINECS no. 205-427-8
 Concentration < 1 %
 Advice: [4]
 Classification (Regulation (EC) No. 1272/2008)
 Acute Tox. 4 H302
 Skin Irrit. 2 H315
 Skin Sens. 1 H317
 Eye Irrit. 2 H319
 Aquatic Chronic 3 H412

p-menth-1-en-8-ol

CAS No. 98-55-5
 EINECS no. 202-680-6
 Concentration < 1 %
 Advice: [4]
 Classification (Regulation (EC) No. 1272/2008)
 Skin Irrit. 2 H315
 Eye Irrit. 2 H319

(1S)-alpha-Pinene

CAS No. 7785-26-4
 EINECS no. 232-077-3
 Concentration < 1 %
 Advice: [4]
 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

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. In the event of symptoms take medical treatment.

After skin contact

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

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Take medical treatment.

After ingestion

Rinse mouth thoroughly with water. 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

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5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Carbon monoxide (CO)

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. Avoid contact with eyes and skin. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder). 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. Provide good ventilation of working area (local exhaust ventilation if necessary). Isolate from sources of heat, sparks and open flame.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Use glass containers. Use aluminium containers.

Storage classes

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

Further information on storage conditions

Keep container dry in a cool, well-ventilated place. Protect from light. Keep container tightly closed.

SECTION 8: Exposure controls/personal protection

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 Remarks: S SSc; LeberKT AN				

turpentine, oil

List	SUVA			
Type	MAK			
Value	112	mg/m ³	20	ppm(V)

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Short term exposure limit 224 mg/m³ 40 ppm(V)
 Remarks: H S; Blase; NIOSH

Derived No/Minimal Effect Levels (DNEL/DMEL)**Methyl salicylate**

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Acute	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	285	mg/m ³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	6	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	17.5	mg/m ³
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Acute	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	213	mg/m ³
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Acute	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	5	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	1	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	4	mg/m ³
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	

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Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	3	mg/kg/d

benzyl benzoate

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	5.1	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Acute	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	102	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	2.6	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	0.4	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	1.25	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Acute	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	25	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	1.3	mg/kg/d

Predicted No Effect Concentration (PNEC)

Methyl salicylate

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Type of value	PNEC		
Type	Freshwater		
Concentration	20		µg/l
Type of value	PNEC		
Type	Saltwater		
Concentration	0.002		mg/l
Type of value	PNEC		
Type	Soil		
Concentration	0.35		mg/kg
Type of value	PNEC		
Type	Sewage treatment plant (STP)		
Concentration	140		mg/l
benzyl benzoate			
Type of value	PNEC		
Type	Freshwater		
Concentration	0.017		mg/l
Type of value	PNEC		
Type	Freshwater sediment		
Concentration	10.66		mg/kg
Type of value	PNEC		
Type	Saltwater		
Concentration	0.00168		mg/l
Type of value	PNEC		
Type	Marine sediment		
Concentration	1.07		mg/kg
Type of value	PNEC		
Type	Sewage treatment plant (STP)		
Concentration	100		mg/l
Type of value	PNEC		
Type	Soil		
Concentration	2.12		mg/kg

8.2. Exposure controls

Respiratory protection

Provide good ventilation of working area (local exhaust ventilation if necessary).

Hand protection

Gloves

Eye protection

Face shield

Body protection

Protective clothing

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	slightly yellowish, clear
Odour	characteristic
Upper and lower explosive limits	
Remarks	not determined
Flash point	
Value	37 to 88 °C
Remarks	Information refers to the main component.
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	0.898 to 0.914 g/ml
Remarks	Relative Density according specification

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Keep away from sources of heat and ignition.

10.5. Incompatible materials

Reactions with strong acids and alkalis. Reactions with oxidising agents.

10.6. Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

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

Acute oral toxicity

ATE	1'974.83	mg/kg
	85	
Method	calculated value according to GHS (e.g see UN GHS)	
Remarks	The classification criteria are met.	

Acute oral toxicity (Components)

Methyl salicylate

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Species	rat		
LD50	887		mg/kg
Method	OECD 401		
Geraniol			
Species	rat		
LD50	3600		mg/kg
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)		
4-Allylanisol			
LD50	1230		mg/kg
camphene			
Species	rabbit		
LD50	> 2500		mg/kg
Source	IUCLID		
Eugenol			
Species	rat		
LD50	> 2000		mg/kg
Method	OECD 423		
Eugenol			
Species	rat		
LDLo	800		mg/kg
Remarks	intraperitoneal		
Farnesol			
Species	rat		
LD50	6000		mg/kg
L-menthol			
Species	rat		
LD50	2500		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
alpha-Pinene, not specified			
Species	rat		
	3700		mg/kg
citral			
Species	Rats (male/female)		

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LD50	6800	mg/kg
citral		
Species	rat (female)	
LOAEL	335	mg/kg
citral		
Species	rat (male)	
LOAEL	345	mg/kg
benzyl benzoate		
Species	rat	
LD50	1500	mg/kg
turpentine, oil		
Species	rat	
LD50	500	mg/kg
1,8-Cineole		
Species	rat	
LD50	2840	mg/kg
Source	RTECS	
Acute dermal toxicity		
ATE	6'111.11 11	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 dermal toxicity (Components)		
Methyl salicylate		
Species	rabbit	
LD50	> 5000	mg/kg
Source	IUCLID	
Geraniol		
Species	rabbit	
	> 5000	mg/kg
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.	
Eugenol		
Remarks	No data available.	
Farnesol		
Remarks	No data available.	
L-menthol		
Species	rabbit	
LD50	> 5000	mg/kg
(R)-p-mentha-1,8-diene		
Species	rabbit	
LD50	> 5000	mg/kg
alpha-Pinene, not specified		
Species	rabbit	
LD50	> 5000	mg/kg

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citral

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

turpentine, oil

Species	rat		
LD50		1100	mg/kg

Acute inhalational toxicity

ATE		20.3791	mg/l
Administration/Form	Vapors		
Method	calculated value according to GHS (e.g see UN GHS)		
ATE		6.5198	mg/l
Administration/Form	Dust/Mist		
Method	calculated value according to GHS (e.g see UN GHS)		
Remarks	Based on available data, the classification criteria are not met.		

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

Species	rat		
LC50	>	0.7	mg/l
Duration of exposure		7	h
Administration/Form	Vapors		

Methyl salicylate

Species	rat		
NOEL		0.7	mg/l
Duration of exposure		28	d
Administration/Form	Vapors		

Geraniol

Remarks No data available.

citronellol

Remarks No data available.

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

Remarks No data available.

beta-Caryophyllen

Remarks No data available.

Eugenol

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

Farnesol

Remarks No data available.

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

Remarks No data available.

citral

Remarks No data available.

turpentine, oil

Species	rat		
LC50		11	mg/l
Duration of exposure		4	h

Skin corrosion/irritation

evaluation	irritant
Remarks	The classification criteria are met.

Skin corrosion/irritation (Components)

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Methyl salicylate

Species rabbit
 evaluation slightly irritant
 Method OECD 404

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

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

camphene

evaluation non-irritant
 Method OECD 404

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

Trade name: Po-Ho aetheroleum compositum

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Method Draize method

Farnesol

Remarks No data available.

L-menthol

evaluation irritant

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

Species rabbit

Duration of exposure 4 h

evaluation irritant

Method OECD 404

alpha-Pinene, not specified

Species Human

evaluation irritant

citral

Species rabbit

evaluation irritant

Remarks Irritating to skin.

benzyl benzoate

Species rabbit

Duration of exposure 4 h

evaluation Moderately irritating

Method OECD 404

Serious eye damage/irritation

evaluation irritant

Remarks The classification criteria are met.

Serious eye damage/irritation (Components)**Methyl salicylate**

Species rabbit

Duration of exposure 5 min

Method OECD 491

Remarks Risk of serious damage to eyes.

Geraniol

evaluation irritant - risk of serious damage to eyes

Remarks Irritates the eyes.

citronellol

Remarks No data available.

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

Species rabbit

evaluation irritant

beta-Caryophyllen

Remarks No data available.

camphene

evaluation strongly irritant

Method OECD 405

Eugenol

Species rabbit

evaluation irritant

Farnesol

Remarks No data available.

L-menthol

evaluation irritant - risk of serious damage to eyes

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

Species	rabbit
evaluation	non-irritant
Method	OECD 405
Remarks	No effect of irritation known

citral

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

benzyl benzoate

Species	rabbit
evaluation	Moderately irritating
Method	OECD 405

Sensitization

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

Sensitization (Components)**Methyl salicylate**

evaluation	May cause allergic skin reactions.
Source	ECHA

Geraniol

Remarks	No data available.
---------	--------------------

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

Remarks	No data available.
---------	--------------------

camphene

evaluation	non-sensitizing
Source	IUCLID

Eugenol

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

Farnesol

Remarks	No data available.
---------	--------------------

L-menthol

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

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

Species	mouse
evaluation	sensitizing
Method	OECD 429
Remarks	May cause sensitization by skin contact.

citral

Species	mouse
evaluation	sensitizing

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Method OECD 429

benzyl benzoate

Species mouse
 evaluation non-sensitizing
 Method OECD 429

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

Remarks Not applicable

citronellol

Remarks No data available.

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

Remarks Not applicable

Farnesol

Remarks No data available.

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

Remarks No data available.

benzyl benzoate

Chronic toxicity
 Route of exposure dermal
 Species Rats (male/female)
 NOAEL 781 mg/kg
 Repeated exposure
 Duration of exposure 28 d

Mutagenicity

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

Mutagenicity (Components)**Methyl salicylate**

Species Salmonella typhimurium
 evaluation No mutagenicity in the Ames-test.
 Method OECD 471

Methyl salicylate

Species mammal, species unspecified
 evaluation No mutagenicity according to various in vitro tests.
 Method OECD 473

Geraniol

Remarks No data available.

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.

camphene

evaluation No mutagenicity in the micronucleus test.

camphene

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evaluation
Source No mutagenicity in the Ames-test.
IUCLID

Eugenol

Species evaluation rat
DNA damage

Eugenol

Species evaluation mouse
May cause genetic defects.

Eugenol

Species evaluation hamster
May cause genetic defects.

Farnesol

Remarks No data available.

L-menthol

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

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

Species evaluation mouse
No experimental information on genotoxicity in vitro available.
Method OECD 476
Remarks negative

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

Species evaluation rat (male)
No experimental indications on genotoxicity in vivo found.
Remarks negative

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

Species evaluation hamster
No experimental information on genotoxicity in vitro available.
Method OECD 479

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

Species evaluation Salmonella typhimurium
No experimental information on genotoxicity in vitro available.
Method OECD 471
Remarks negative

citral

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

citral

Species evaluation mouse
Remarks negative

benzyl benzoate

Species evaluation Human
No experimental information on genotoxicity in vitro available.
Method OECD 473

benzyl benzoate

Species evaluation hamster
No experimental information on genotoxicity in vitro available.
Method OECD 476

Reproductive toxicity

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

Reproduction toxicity (Components)**Methyl salicylate**

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Remarks Possible risk of congenital malformation in the fetus.

Geraniol

Remarks No data available.

citronellol

Remarks No data available

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

Species rat

evaluation Can cause malformations.

beta-Caryophyllen

Remarks No data available.

Eugenol

Remarks No data available.

Farnesol

Remarks No data available.

L-menthol

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

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

Remarks No data available.

citral

Remarks No data available.

benzyl benzoate

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

Carcinogenicity

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

Carcinogenicity (Components)**citronellol**

Remarks No data available.

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

Remarks No data available.

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

Farnesol

Remarks No data available.

L-menthol

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

(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

citral

Remarks No data available.

benzyl benzoate

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

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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

citronellol

Remarks Not applicable

beta-Caryophyllen

Remarks Not applicable

Eugenol

Remarks Not applicable

Farnesol

Remarks Not applicable

L-menthol

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

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

Remarks Not applicable

citral

Remarks Not applicable

benzyl benzoate

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

Aspiration hazardThe 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**

Remarks No data available.

Fish toxicity (Components)**Geraniol**LC50 Medi 3.45 mg/l
an

Duration of exposure 96 h

citronellolSpecies golden orfe (Leuciscus idus)
LC50 10 to 22 mg/l

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Duration of exposure 96 h

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

Remarks No data available.

beta-Caryophyllen

Remarks No data available.

Eugenol

Species zebra fish (Brachydanio rerio)

LC50 13 mg/l

Duration of exposure 96 h

Method OECD 203

Farnesol

Remarks No data available.

L-menthol

LC50 22 mg/l

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

Species Fathead minnow (Pimephales promelas)

LC50 0.72 mg/l

Duration of exposure 96 h

Method OECD 203

citral

Species golden orfe (Leuciscus idus)

LC50 6.78 mg/l

Duration of exposure 96 h

Method DIN 38412 T.15

benzyl benzoate

Species zebra fish (Brachydanio rerio)

LC50 2.32 mg/l

Duration of exposure 96 h

Method Directive 67/548/EEC, Annex V, C.1.

turpentine, oil

LC50 1 to 10 mg/l

1,8-Cineole

Species Fathead minnow (Pimephales promelas)

LC50 102 mg/l

Duration of exposure 96 h

Daphnia toxicity (Components)**Geraniol**

Remarks No data available.

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.

camphene

Species Daphnia magna

EC50 13 to 36 mg/l

Duration of exposure 48 h

Source Literature value

Eugenol

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Species	Daphnia	
EC50	1.13	mg/l

Farnesol

Remarks No data available.

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

Species	Daphnia magna	
	0.307	mg/l

Duration of exposure 48 h

Method OECD 202

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

benzyl benzoate

Species	Daphnia magna	
EC50	3.09	mg/l

Duration of exposure 48 h

Method OECD 201

benzyl benzoate

Species	Daphnia magna	
NOEC	0.258	mg/l

Duration of exposure 21 d

Method OECD 211

Algae toxicity (Components)**Methyl salicylate**

Species	Desmodesmus subspicatus	
ErC50	1.6	mg/l

Duration of exposure 72 h

Methyl salicylate

Species	Desmodesmus subspicatus	
NOEC	0.79	mg/l

Duration of exposure 72 h

Method OECD 201

Geraniol

Remarks No data available.

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.

Eugenol

Remarks No data available.

Farnesol

Remarks No data available.

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

Species Raphidocelis subcapitata

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Duration of exposure	0.32		mg/l
Method	72	h	
	OECD 201		
(R)-p-mentha-1,8-diene			
Species	Raphidocelis subcapitata		
Duration of exposure	0.174		mg/l
Method	72	h	
	OECD 201		
citral			
Species	Desmodesmus subspicatus		
EC50		to	103.8
Duration of exposure	-	72	h
benzyl benzoate			
Species	Raphidocelis subcapitata		
EC50	0.475		mg/l
Duration of exposure	72	h	
Method	OECD 201		
benzyl benzoate			
Species	Raphidocelis subcapitata		
NOEC	0.247		mg/l
Duration of exposure	72	h	
Method	OECD 201		
turpentine, oil			
EC50	1	to	10
			mg/l

Bacteria toxicity (Components)**Geraniol**

Remarks No data available.

citronellol

Remarks No data available.

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

Remarks No data available.

beta-Caryophyllen

Remarks No data available.

Eugenol

Remarks No data available.

Farnesol

Remarks No data available.

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

Species	activated sludge		
EC50	3.94		mg/l
Method	OECD 209		

citral

Remarks No data available.

benzyl benzoate

Species	activated sludge		
EC50	> 10000		mg/l
Duration of exposure	3	h	
Method	OECD 209		

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

Trade name: Po-Ho aetheroleum compositum

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Remarks No data available.

beta-Caryophyllen

Remarks No data available.

Eugenol

Remarks No data available.

Farnesol

Remarks No data available.

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

Remarks No data available.

citral

Remarks No data available.

Biodegradability (Components)**Methyl salicylate**

Value 98.4 %

Duration of test 28 d
evaluation Readily biodegradable
Method OECD 301 B**Geraniol**

Remarks No data available.

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.

Farnesol

Remarks No data available.

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

Value 71 %

evaluation Readily biodegradable

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**benzyl benzoate**

Value 94.4 %

Duration of test 28 d
evaluation Readily biodegradable
Method OECD 301**Ready degradability (Components)****Geraniol**

Remarks No data available.

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

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beta-Caryophyllen

Remarks No data available.

Farnesol

Remarks No data available.

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

Remarks No data available.

citronellol

Value 2050 mg/g

Farnesol

Remarks No data available.

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

Remarks No data available.

citral

Remarks No data available.

Biochemical oxygen demand (BOD5) (Components)**Geraniol**

Remarks No data available.

Farnesol

Remarks No data available.

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

Remarks No data available.

citral

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)**7-Methyl-3-methylenocta-1,6-dien**log Pow 5.285
Temperature 25 °C**Eugenol**

log Pow 2.7

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

log Pow 4.2

citrallog Pow 2.9
Temperature 25 °C**Bioconcentration factor (BCF) (Components)****Farnesol**

Remarks No data available

citral

Remarks No data available

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

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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

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

Trade name: Po-Ho aetheroleum compositum

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	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number or ID number	1993	1993	1993
14.2. UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (1,8-Cineole, (R)-p-mentha-1,8-diene)	FLAMMABLE LIQUID, N.O.S. (1,8-Cineole, (R)-p-mentha-1,8-diene)	FLAMMABLE LIQUID, N.O.S. (1,8-Cineole, (R)-p-mentha-1,8-diene)
14.3. Transport hazard class(es)	3	3	3
Label			
14.4. Packing group	III	III	III
Remarks	The product is not subject to any other provisions of ADR provided packaging of not more than 5 l / 5 kg	The product can be transported in accordance with IMDG Code paragraph 2.10.2.7, provided packaging not more than 5 l / 5 kg.	The product is not subject to any other provisions of IATA provided packaging of not more than 5 l / 5 kg (A197)
Limited Quantity	5 l	5 l	
Transport category	3		
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

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 $\geq 0.1\%$ w/w.

15.2. Chemical safety assessment

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

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Substance number: 015500

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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	H302	Calculation method
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Skin Sens. 1	H317	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.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
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.
H361	Suspected of damaging fertility or the unborn child.
H361d	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 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
Eye Dam. 1	Serious eye damage, 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. 1A	Skin sensitization, Category 1A
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.