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

#### 1.1. Product identifier

Product form : Mixture

Product name : GARDENIA CC-13182 10% in DPG

Product code : CC-13182\_10%
Type of product : Perfumes, fragrances

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

### 1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial

For professional use only
: Perfumes, fragrances
: Odour agents

#### 1.2.2. Uses advised against

Use of the substance/mixture

Function or use category

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Candle Craft Weiherwiese 10 65510 Idstein - Germany T 49-6126-9363 -0

info@candlecraft.de - www.candlecraft.de

#### 1.4. Emergency telephone number

No additional information available

### **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazardous to the aquatic environment – Chronic Hazard, H412

Category 3

Full text of H- and EUH-statements: see section 16

### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP) : -

Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P273 - Avoid release to the environment.

P501 - Dispose of contents/container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation.

EUH-statements : EUH208 - Contains Amyl cinnamic aldehyde, Hydroxy, Linalool, Geranyl acetate, 1-

(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone. May produce an

allergic reaction.

Extra phrases : For professional users only.

### 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

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# SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
benzyl benzoate	CAS-No.: 120-51-4 EC-No.: 204-402-9 EC Index-No.: 607-085-00-9 REACH-no: 01-2119976371- 33	3.45 – 6.9	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 2, H411	
Amyl cinnamic aldehyde	CAS-No.: 122-40-7 EC-No.: 204-541-5	0.1 – 0.2	Skin Sens. 1B, H317 Aquatic Chronic 2, H411	
Linalool	CAS-No.: 78-70-6 EC-No.: 201-134-4 EC Index-No.: 603-235-00-2 REACH-no: 01-2119474016-	0.09 – 0.17535	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317	
Hydroxy	CAS-No.: 107-75-5 EC-No.: 203-518-7 REACH-no: 01-2119973482- 31	0.09 – 0.175	Eye Irrit. 2, H319 Skin Sens. 1B, H317	
Geranyl acetate	CAS-No.: 105-87-3 EC-No.: 203-341-5 REACH-no: 01-2119973480- 35	0.08 – 0.15	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 3, H412	
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone	CAS-No.: 54464-57-2 EC-No.: 259-174-3 REACH-no: 01-2119489989- 04	0.07 – 0.13	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 1, H410	
Benzyl acetate substance with national workplace exposure limit(s) (BE, DK, ES, IE, LT, LV, PT, RO)	CAS-No.: 140-11-4 EC-No.: 205-399-7 REACH-no: 01-2119638272- 42	0.06 – 0.11	Aquatic Chronic 3, H412	
(R)-p-mentha-1,8-diene; d-limonene substance with national workplace exposure limit(s) (DE, ES, FI, SI, NO, CH)	CAS-No.: 5989-27-5 EC-No.: 205-341-0 EC Index-No.: 601-096-00-2 REACH-no: 01-2119493353-	0.0025 – 0.01015	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 3, H412	
.alphaPinene substance with national workplace exposure limit(s) (BE, EE, ES, LT, PT, SE, NO)	CAS-No.: 80-56-8 EC-No.: 201-291-9	< 0.00035	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	
.betaPinene substance with national workplace exposure limit(s) (BE, EE, ES, LT, PT, SE, NO)	CAS-No.: 127-91-3 EC-No.: 204-872-5	< 0.00015	Flam. Liq. 3, H226	

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Full text of H- and EUH-statements: see section 16

### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical

advice (show the label where possible).

First-aid measures after inhalation : Allow affected person to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water,

followed by warm water rinse.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness

persists.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

### **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

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

No additional information available

### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any

chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

#### **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

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### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Precautions for safe handling

: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

Joint storage table

: Keep only in the original container in a cool, well ventilated place away from : Keep

container closed when not in use. Strong bases. Strong acids.

Incompatible products Incompatible materials

: Sources of ignition. Direct sunlight.

**Germany** 

Storage class (LGK, TRGS 510)

: LGK 12 - Non-combustible liquids

LGK 1 LGK 2A LGK 4.1B LGK 4.2 LGK 5.1C LGK 5.2 LGK 6.1D LGK 6.2

LGK 3 LGK 4.1A LGK 2B LGK 4.3 LGK 5.1A LGK 5.1B LGK 6.1A LGK 6.1B LGK 6.1C LGK 7 LGK 8A LGK 8B

LGK 10-13

LGK 11 LGK 10 : LGK 1, LGK 6.2, LGK 7

Joint storage with restrictions permitted for

Joint storage permitted for

Joint storage not permitted for

: LGK 4.1A, LGK 4.3, LGK 5.1C

LGK 12

: LGK 2A, LGK 2B, LGK 3, LGK 4.1B, LGK 4.2, LGK 5.1A, LGK 5.1B, LGK 5.2, LGK 6.1A, LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGK

**LGK 13** 

10-13

**Switzerland** 

Storage class (LK) : LK 10/12 - Liquids

### 7.3. Specific end use(s)

No additional information available

### **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

Benzyl acetate (140-11-4)		
Belgium - Occupational Exposure Limits		
OEL TWA	62 mg/m³	
	10 ppm	
Denmark - Occupational Exposure Limits		
OEL TWA	61 mg/m³	
	10 ppm	
OEL STEL	122 mg/m³	
	20 ppm	
Ireland - Occupational Exposure Limits		
OEL TWA	10 ppm	
OEL STEL	30 ppm (calculated)	

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Benzyl acetate (140-11-4)			
Latvia - Occupational Exposure Limits			
OEL TWA	5 mg/m³		
Lithuania - Occupational Exposure Limits			
IPRV (OEL TWA)	5 mg/m³		
Portugal - Occupational Exposure Limits			
OEL TWA	10 ppm		
OEL chemical category	A4 - Not Classifiable as a Human Carcinogen		
Romania - Occupational Exposure Limits			
OEL TWA	50 mg/m³		
	8 ppm		
OEL STEL	80 mg/m³		
	13 ppm		
Spain - Occupational Exposure Limits			
VLA-ED (OEL TWA)	62 mg/m³		
	10 ppm		
USA - ACGIH - Occupational Exposure Limits			
ACGIH OEL TWA	10 ppm		
ACGIH chemical category	Not Classifiable as a Human Carcinogen		
(R)-p-mentha-1,8-diene; d-limonene (5989-27-	5)		
Finland - Occupational Exposure Limits			
HTP (OEL TWA)	140 mg/m³		
	25 ppm		
HTP (OEL STEL)	280 mg/m³		
	50 ppm		
Germany - Occupational Exposure Limits (TRGS 90	00)		
AGW (OEL TWA)	28 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)		
	5 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)		
Chemical category	Skin notation, Skin sensitization		
Slovenia - Occupational Exposure Limits			
OEL TWA	28 mg/m³		
	5 ppm		
OEL STEL	112 mg/m³		
	20 ppm		
OEL chemical category	Potential for cutaneous absorption		
Spain - Occupational Exposure Limits			
VLA-ED (OEL TWA)	168 mg/m³		
	30 ppm		

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(R)-p-mentha-1,8-diene; d-limonene (5	5989-27-5)	
OEL chemical category	Sensitizer, skin - potential for cutaneous absorption	
Norway - Occupational Exposure Limits	<u> </u>	
Grenseverdi (OEL TWA)	140 mg/m³	
	25 ppm	
Korttidsverdi (OEL STEL)	175 mg/m³ (value calculated)	
	37.5 ppm (value calculated)	
OEL chemical category	Allergenic substance	
Switzerland - Occupational Exposure Limit	ts	
MAK (OEL TWA)	40 mg/m³	
	7 ppm	
KZGW (OEL STEL)	80 mg/m³	
	14 ppm	
OEL chemical category	Sensitizer	
.alphaPinene (80-56-8)		
Belgium - Occupational Exposure Limits		
OEL TWA	20 ppm	
Estonia - Occupational Exposure Limits		
OEL TWA	150 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)	
	25 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)	
OEL STEL	300 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)	
	50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)	
Lithuania - Occupational Exposure Limits	<u> </u>	
IPRV (OEL TWA)	150 mg/m³	
	25 ppm	
TPRV (OEL STEL)	300 mg/m³	
	50 ppm	
Portugal - Occupational Exposure Limits	<u> </u>	
OEL TWA	20 ppm (Turpentine and selected Monoterpenes)	
OEL chemical category	Sensitizer dermal, A4 - Not Classifiable as a Human Carcinogen	
Spain - Occupational Exposure Limits	•	
VLA-ED (OEL TWA)	113 mg/m³	
	20 ppm	
OEL chemical category	Sensitizer	
Sweden - Occupational Exposure Limits	<b>'</b>	
NGV (OEL TWA)	150 mg/m³	
	25 ppm	

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.alphaPinene (80-56-8)			
KGV (OEL STEL)	300 mg/m³		
	50 ppm		
OEL chemical category	Sensitizer		
Norway - Occupational Exposure Limits			
Grenseverdi (OEL TWA)	140 mg/m³		
	25 ppm		
Korttidsverdi (OEL STEL)	175 mg/m³ (value calculated)		
	37.5 ppm (value calculated)		
OEL chemical category	Skin notation		
USA - ACGIH - Occupational Exposure Limit	its		
ACGIH OEL TWA	20 ppm (Turpentine and selected Monoterpenes)		
ACGIH chemical category	Not Classifiable as a Human Carcinogen, dermal sensitizer		
.betaPinene (127-91-3)			
Belgium - Occupational Exposure Limits			
OEL TWA	20 ppm		
Estonia - Occupational Exposure Limits			
OEL TWA	150 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)		
	25 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)		
OEL STEL	300 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)		
	50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)		
Lithuania - Occupational Exposure Limits			
IPRV (OEL TWA)	150 mg/m³		
	25 ppm		
TPRV (OEL STEL)	300 mg/m³		
	50 ppm		
Portugal - Occupational Exposure Limits			
OEL TWA	20 ppm (Turpentine and selected Monoterpenes)		
OEL chemical category	Sensitizer dermal, A4 - Not Classifiable as a Human Carcinogen		
Spain - Occupational Exposure Limits			
VLA-ED (OEL TWA)	113 mg/m³		
	20 ppm		
OEL chemical category	Sensitizer		
Sweden - Occupational Exposure Limits			
NGV (OEL TWA)	150 mg/m³		
	25 ppm		
KGV (OEL STEL)	300 mg/m³		

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.betaPinene (127-91-3)			
	50 ppm		
OEL chemical category	Sensitizer		
Norway - Occupational Exposure Limits			
Grenseverdi (OEL TWA)	140 mg/m³		
	25 ppm		
Korttidsverdi (OEL STEL)	175 mg/m³ (value calculated)		
	37.5 ppm (value calculated)		
USA - ACGIH - Occupational Exposure Limits			
ACGIH OEL TWA	20 ppm (Turpentine and selected Monoterpenes)		
ACGIH chemical category	Not Classifiable as a Human Carcinogen, dermal sensitizer		

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

No additional information available

#### 8.2.2. Personal protection equipment

### Personal protective equipment:

Avoid all unnecessary exposure.

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

### Eye protection:

Chemical goggles or safety glasses

### 8.2.2.2. Skin protection

#### Hand protection:

Wear protective gloves.

### 8.2.2.3. Respiratory protection

#### Respiratory protection:

Wear appropriate mask

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Other information:

Do not eat, drink or smoke during use.

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### **SECTION 9: Physical and chemical properties**

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

Physical state : Liquid

Colour : Conforms to standard.

characteristic. Odour Odour threshold Not available Melting point Not available Freezing point Not available Boiling point Not available Flammability : Non flammable. Lower explosion limit : Not available Upper explosion limit : Not available : > 93 °C Flash point : Not available Auto-ignition temperature : Not available Decomposition temperature рΗ : Not available : Not available Viscosity, kinematic Solubility : Not available Partition coefficient n-octanol/water (Log Kow) : Not available Vapour pressure : Not available Vapour pressure at 50°C : Not available : Not available Density Relative density : Not available Relative vapour density at 20°C : Not available

: Not applicable

#### 9.2. Other information

Particle characteristics

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

### 9.2.2. Other safety characteristics

No additional information available

### **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Not established.

#### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

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## SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008				
Acute toxicity (oral) :	Not classified			
Acute toxicity (dermal)	: Not classified			
	Not classified			
benzyl benzoate (120-51-4)				
LD50 oral rat	> 2000 mg/kg (Source: ECHA_API)			
LD50 oral	1160 mg/kg bodyweight			
LD50 dermal rabbit	4000 mg/kg (Source: NLM_CIP)			
Amyl cinnamic aldehyde (122-40-7)				
LD50 oral rat	3730 mg/kg (Source: CHEMVIEW)			
LD50 dermal rabbit	> 2000 mg/kg (Source: CHEMVIEW)			
Hydroxy (107-75-5)				
LD50 oral rat	> 6400 mg/kg (Source: ECHA)			
LD50 dermal rabbit	> 2000 mg/kg (Source: ECHA_API)			
Linalool (78-70-6)				
LD50 oral	2790 mg/kg			
Geranyl acetate (105-87-3)				
LD50 oral rat	6330 mg/kg (Source: NLM_CIP)			
Benzyl acetate (140-11-4)				
LD50 oral rat	2490 mg/kg (Source: JAPAN_GHS)			
LD50 oral	2490 mg/kg bodyweight			
LD50 dermal rabbit	> 5000 mg/kg (Source: JAPAN_GHS)			
(R)-p-mentha-1,8-diene; d-limonene (5989-27-	5)			
LD50 oral rat	4400 mg/kg (Source: CHEMVIEW)			
LD50 dermal rabbit	> 5 g/kg (Source: CHEMVIEW)			
.alphaPinene (80-56-8)				
LD50 oral rat	3700 mg/kg (Source: NLM_CIP)			
LD50 dermal rat	> 5000 mg/kg (Source: CHEMVIEW)			
.betaPinene (127-91-3)				
LD50 oral rat	> 5000 mg/kg (Source: EPA_HPV)			
LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)			
	Not classified			
	Based on available data, the classification criteria are not met			
Serious eye damage/irritation : Additional information :	Not classified  Based on available data, the classification criteria are not met			
	Not classified			
	Based on available data, the classification criteria are not met			
Germ cell mutagenicity :	Not classified			
Additional information :	Based on available data, the classification criteria are not met			
Carcinogenicity :	Not classified			
Additional information :	Based on available data, the classification criteria are not met			

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Benzyl acetate (140-11-4)			
IARC group	3 - Not classifiable		
(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)			
IARC group	3 - Not classifiable		
Reproductive toxicity :	Not classified		
Additional information :	Based on available data, the classification criteria are not met		
STOT-single exposure :	Not classified		
Additional information :	Based on available data, the classification criteria are not met		
STOT-repeated exposure :	Not classified		
Additional information :	Based on available data, the classification criteria are not met		
Aspiration hazard :	Not classified		
Additional information :	Based on available data, the classification criteria are not met		
benzyl benzoate (120-51-4)			
Viscosity, kinematic	7.456 mm <sup>2</sup> /s		
(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)			
Hydrocarbon	Yes		
.alphaPinene (80-56-8)			
Hydrocarbon	Yes		
.betaPinene (127-91-3)			
Hydrocarbon	Yes		

### 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

No additional information available

#### 11.2.2. Other information

Potential adverse human health effects and symptoms

: Based on available data, the classification criteria are not met

### **SECTION 12: Ecological information**

### 12.1. Toxicity

Hazardous to the aquatic environment, short–term  $\phantom{a}$ : Not

: Not classified

(acute)

Hazardous to the aquatic environment, long-term

: Harmful to aquatic life with long lasting effects.

(chronic)

benzyl benzoate (120-51-4)			
LC50 - Fish [1]	2.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)		
NOEC (chronic)	0.168 mg/l		
Linalool (78-70-6)			
EC50 96h - Algae [1]	88.3 mg/l (Species: Desmodesmus subspicatus)		
(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)			
LC50 - Fish [1]	0.619 – 0.796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)		
LC50 - Fish [2]	35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)		

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.alphaPinene (80-56-8)	
LC50 - Fish [1]	0.28 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: IUCLID)
EC50 - Crustacea [1]	41 mg/l (Exposure time: 48 h - Species: Daphnia magna)
12.2. Persistence and degradability	
GARDENIA CC-13182 10% in DPG	
Persistence and degradability	Not established.
benzyl benzoate (120-51-4)	
Persistence and degradability	May cause long-term adverse effects in the environment.
Amyl cinnamic aldehyde (122-40-7)	
Persistence and degradability	Rapidly degradable
Hydroxy (107-75-5)	
Persistence and degradability	Rapidly degradable
Linalool (78-70-6)	
Persistence and degradability	Rapidly degradable
Geranyl acetate (105-87-3)	
Persistence and degradability	Rapidly degradable
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethy	/I-2-naphthalenyl)ethanone (54464-57-2)
Persistence and degradability	Rapidly degradable
Benzyl acetate (140-11-4)	
Persistence and degradability	Rapidly degradable
(R)-p-mentha-1,8-diene; d-limonene (5989-27-	5)
Persistence and degradability	Rapidly degradable
.alphaPinene (80-56-8)	
Persistence and degradability	Rapidly degradable
.betaPinene (127-91-3)	
Persistence and degradability	Rapidly degradable
12.3. Bioaccumulative potential	
GARDENIA CC-13182 10% in DPG	
Bioaccumulative potential	Not established.
benzyl benzoate (120-51-4)	
Partition coefficient n-octanol/water (Log Pow)	3.97 (at 25 °C)
Bioaccumulative potential	Not established.
Amyl cinnamic aldehyde (122-40-7)	
Partition coefficient n-octanol/water (Log Pow)	2.498 (at 25 °C (at pH 6.2)
Hydroxy (107-75-5)	
Partition coefficient n-octanol/water (Log Pow)	1.68 (at 25 °C)

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Geranyl acetate (105-87-3)			
Partition coefficient n-octanol/water (Log Pow) 4.04			
Benzyl acetate (140-11-4)			
Partition coefficient n-octanol/water (Log Pow) 1.96 (at 25 °C (at pH 7)			
(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)			
Partition coefficient n-octanol/water (Log Pow) 4.38 (at 37 °C (at pH 7.2)			
.alphaPinene (80-56-8)			
Partition coefficient n-octanol/water (Log Pow) 4.1			

### 12.4. Mobility in soil

No additional information available

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

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

#### 12.7. Other adverse effects

Additional information : Avoid release to the environment.

### **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations

Ecological information

HP Code

- : Dispose in a safe manner in accordance with local/national regulations.
- : Avoid release to the environment.
- HP14 "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

### **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID	
14.1. UN number or ID n	14.1. UN number or ID number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.2. UN proper shipping	g name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.3. Transport hazard o	class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.4. Packing group	14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.5. Environmental hazards					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
No supplementary information available					

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### 14.6. Special precautions for user

#### **Overland transport**

Not applicable

#### Transport by sea

Not applicable

### Air transport

Not applicable

#### **Inland waterway transport**

Not applicable

#### Rail transport

Not applicable

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

### **SECTION 15: Regulatory information**

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

### 15.1.1. EU-Regulations

#### **REACH Annex XVII (Restriction List)**

EU restriction list (REACH Annex XVII)			
Reference code	Applicable on	Entry title or description	
3(a)	(R)-p-mentha-1,8-diene; d-limonene; .alpha Pinene; .betaPinene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	
3(b)	benzyl benzoate; Amyl cinnamic aldehyde; Hydroxy; Linalool; Geranyl acetate; 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone; (R)-p-mentha-1,8-diene; d-limonene; .alphaPinene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	
3(c)	GARDENIA CC-13182 10% in DPG; benzyl benzoate; Amyl cinnamic aldehyde; Geranyl acetate; 1- (1,2,3,4,5,6,7,8- Octahydro-2,3,8,8- tetramethyl-2- naphthalenyl)ethanone; Benzyl acetate; (R)-p- mentha-1,8-diene; d- limonene; .alphaPinene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	

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EU restriction list (REACH Annex XVII)			
Reference code	Applicable on	Entry title or description	
40.	d-limonene ; .alpha Pinene ; .betaPinene	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	

#### **REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

#### **REACH Candidate List (SVHC)**

Contains no substance(s) listed on the REACH Candidate List

#### **PIC Regulation (Prior Informed Consent)**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

#### **POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

#### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

#### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

#### **Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

#### **Drug Precursors Regulation (273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.1.2. National regulations

#### **Germany**

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1).

List of sensitizing substances (TRGS 907) : Contains sensitizing substances according TRGS 907.

Hazardous Incident Ordinance (12. BImSchV) : Is not subject to the Hazardous Incident Ordinance (12. BImSchV)

**Netherlands** 

ABM category : A(2) - toxic for aquatic organisms, may have longterm hazardous effects in aquatic

environment

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed SZW-lijst van reprotoxische stoffen – : None of the components are listed

Vruchtbaarheid SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

**Denmark** 

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations : Pregnant/breastfeeding women working with the product must not be in direct contact with

the product

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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### **SECTION 16: Other information**

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE

COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and

amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:			
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4		
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1		
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1		
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2		
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3		
Asp. Tox. 1	Aspiration hazard, Category 1		
EUH208	Contains Amyl cinnamic aldehyde, Hydroxy, Linalool, Geranyl acetate, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone. May produce an allergic reaction.		
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2		
Flam. Liq. 3	Flammable liquids, Category 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.		
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.		
Skin Irrit. 2	Skin corrosion/irritation, Category 2		
Skin Sens. 1	Skin sensitisation, Category 1		
Skin Sens. 1B	Skin sensitisation, category 1B		

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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