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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 : Pineapple Mango CC-13074 10%

Product code : CC-13074_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

Use of the substance/mixture : Perfumes, fragrances
Function or use category : Odour agents

1.2.2. Uses advised against

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, Category 3 H412

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 Allyl cyclohexylpropionate, Hexyl cinnamic aldehyde, Linalool, Orange

oil . May produce an allergic reaction.

Extra phrases : For professional users only.

2.3. Other hazards

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

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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]
Allyl cyclohexylpropionate	CAS-No.: 2705-87-5 EC-No.: 220-292-5	0.35 – 0.7	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Sens. 1, H317 Aquatic Chronic 1, H410
Hexamethylindanopyran	CAS-No.: 1222-05-5 EC-No.: 214-946-9 EC Index-No.: 603-212-00-7 REACH-no: 01-2119488227- 29	0.2625 – 0.525	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Hexyl cinnamic aldehyde	CAS-No.: 101-86-0 EC-No.: 202-983-3 REACH-no: 01-2119533092- 50	0.245 – 0.49	Skin Sens. 1, H317 Aquatic Chronic 2, H411
Allyl heptanoate	CAS-No.: 142-19-8 EC-No.: 205-527-1 REACH-no: 01-2119488961- 23	0.22 – 0.44	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
Linalool	CAS-No.: 78-70-6 EC-No.: 201-134-4 EC Index-No.: 603-235-00-2 REACH-no: 01-2119474016- 42	0.1 – 0.20007	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Orange oil	CAS-No.: 8008-57-9 EC-No.: 232-433-8 REACH-no: 01-2119493353- 35	0.07 – 0.14	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Ethyl acetoacetate substance with national workplace exposure limit(s) (RO)	CAS-No.: 141-97-9 EC-No.: 205-516-1	0.035 – 0.07	Not classified
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	0.026 - 0.052	Aquatic Chronic 3, H412
Isoamyl acetate substance with national workplace exposure limit(s) (AT, BE, BG, CY, DE, DK, EE, ES, FI, FR, GI, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, NO, TR); substance with a Community workplace exposure limit	CAS-No.: 123-92-2 EC-No.: 204-662-3 EC Index-No.: 607-130-00-2 REACH-no: 01-2119548408- 32	0.0105 – 0.021	Flam. Liq. 3, H226
.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 – 0.00175	Flam. Liq. 3, H226

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
.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 – 0.00175	Flam. Liq. 3, H226
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 – 0.0007	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
p-Cymene substance with national workplace exposure limit(s) (DK, EE, LT, LV, SE)	CAS-No.: 99-87-6 EC-No.: 202-796-7 EC Index-No.: 601-094-00-1	0 – 0.00035	Flam. Liq. 3, H226 Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Inhalation:dust,mist), H331 Repr. 2, H361 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

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.

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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.

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

container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

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

Ethyl acetoacetate (141-97-9)	
Romania - Occupational Exposure Limits	
OEL TWA	100 mg/m³
OEL TWA [ppm]	19 ppm
OEL STEL	200 mg/m³
OEL STEL [ppm] 38 ppm	
Benzyl acetate (140-11-4)	

Belgium -	Occupat	ional I	Exposure	Limi	ts
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OEL TWA	62 mg/m³
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Benzyl acetate (140-11-4)		
OEL TWA [ppm]	10 ppm	
Denmark - Occupational Exposure Limits		
OEL TWA [1]	61 mg/m³	
OEL TWA [2]	10 ppm	
OEL STEL	122 mg/m³	
OEL STEL [ppm]	20 ppm	
Ireland - Occupational Exposure Limits		
OEL TWA [2]	10 ppm	
OEL STEL [ppm]	30 ppm (calculated)	
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 [ppm]	10 ppm	
OEL chemical category	A4 - Not Classifiable as a Human Carcinogen	
Romania - Occupational Exposure Limits		
OEL TWA	50 mg/m³	
OEL TWA [ppm]	8 ppm	
OEL STEL	80 mg/m³	
OEL STEL [ppm]	13 ppm	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA) [1]	62 mg/m³	
VLA-ED (OEL TWA) [2]	10 ppm	
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA [ppm]	10 ppm	
ACGIH chemical category	Not Classifiable as a Human Carcinogen	
Isoamyl acetate (123-92-2)		
EU - Indicative Occupational Exposure Limit (IOEL)		
IOEL TWA	270 mg/m³	
IOEL TWA [ppm]	50 ppm	
IOEL STEL	540 mg/m³	
IOEL STEL [ppm]	100 ppm	
Austria - Occupational Exposure Limits		
MAK (OEL TWA)	270 mg/m³ (Pentyl acetate (all isomers))	
MAK (OEL TWA) [ppm]	50 ppm (Pentyl acetate (all isomers))	
MAK (OEL STEL)	540 mg/m³ (Pentylacetate)	
MAK (OEL STEL) [ppm]	100 ppm (Pentylacetate)	

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Isoamyl acetate (123-92-2)		
Belgium - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
OEL TWA [ppm]	50 ppm	
OEL STEL	540 mg/m³	
OEL STEL [ppm]	100 ppm	
Bulgaria - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
OEL TWA [ppm]	50 ppm	
OEL STEL	540 mg/m³	
OEL STEL [ppm]	100 ppm	
Croatia - Occupational Exposure Limits		
GVI (OEL TWA) [1]	270 mg/m³	
GVI (OEL TWA) [2]	50 ppm	
KGVI (OEL STEL)	540 mg/m³	
KGVI (OEL STEL) [ppm]	100 ppm	
Cyprus - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
OEL TWA [ppm]	50 ppm	
OEL STEL	540 mg/m³	
OEL STEL [ppm]	100 ppm	
Denmark - Occupational Exposure Limits		
OEL TWA [1]	271 mg/m³ (Amyl acetate, all isomers)	
OEL TWA [2]	50 ppm (Amyl acetate, all isomers)	
OEL STEL	540 mg/m³	
OEL STEL [ppm]	100 ppm	
Estonia - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
OEL TWA [ppm]	50 ppm	
OEL STEL	540 mg/m³	
OEL STEL [ppm]	100 ppm	
Finland - Occupational Exposure Limits		
HTP (OEL TWA) [1]	270 mg/m³ (Pentyl acetate)	
HTP (OEL TWA) [2]	50 ppm (Pentyl acetate)	
HTP (OEL STEL)	540 mg/m³	
HTP (OEL STEL) [ppm]	100 ppm	
France - Occupational Exposure Limits		
VME (OEL TWA)	270 mg/m³ (restrictive limit)	
VME (OEL TWA) [ppm]	50 ppm (restrictive limit)	
VLE (OEL C/STEL)	540 mg/m³ (restrictive limit)	

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Isoamyl acetate (123-92-2)		
VLE (OEL C/STEL) [ppm]	100 ppm (restrictive limit)	
Germany - Occupational Exposure Limits (TRGS 900)		
AGW (OEL TWA) [1]	270 mg/m³	
AGW (OEL TWA) [2]	50 ppm	
Gibraltar - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
OEL TWA [ppm]	50 ppm	
OEL STEL	540 mg/m³	
OEL STEL [ppm]	100 ppm	
Greece - Occupational Exposure Limits		
OEL TWA	530 mg/m³	
OEL TWA [ppm]	100 ppm	
OEL STEL	800 mg/m³	
OEL STEL [ppm]	150 ppm	
Hungary - Occupational Exposure Limits		
AK (OEL TWA)	270 mg/m³	
CK (OEL STEL)	540 mg/m³	
Ireland - Occupational Exposure Limits		
OEL TWA [1]	260 mg/m³	
OEL TWA [2]	50 ppm	
OEL STEL	520 mg/m³	
OEL STEL [ppm]	100 ppm	
Italy - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
OEL TWA [ppm]	50 ppm	
OEL STEL	540 mg/m³	
OEL STEL [ppm]	100 ppm	
Latvia - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
OEL TWA [ppm]	50 ppm	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	270 mg/m³	
IPRV (OEL TWA) [ppm]	50 ppm	
TPRV (OEL STEL)	540 mg/m³	
TPRV (OEL STEL) [ppm]	100 ppm	
Luxembourg - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
OEL TWA [ppm]	50 ppm	
OEL STEL	540 mg/m³	

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Isoamyl acetate (123-92-2)		
OEL STEL [ppm]	100 ppm	
Malta - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
OEL TWA [ppm]	50 ppm	
OEL STEL	540 mg/m³	
OEL STEL [ppm]	100 ppm	
Netherlands - Occupational Exposure Limits		
TGG-15min (OEL STEL)	530 mg/m³	
TGG-15min (OEL STEL) [ppm]	98.1 ppm	
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	250 mg/m³	
NDSCh (OEL STEL)	500 mg/m³	
Portugal - Occupational Exposure Limits		
OEL TWA	270 mg/m³ (indicative limit value)	
OEL TWA [ppm]	50 ppm (indicative limit value (Pentyl acetate, all isomers)	
OEL STEL	540 mg/m³ (indicative limit value)	
OEL STEL [ppm]	100 ppm (indicative limit value)	
Romania - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
OEL TWA [ppm]	50 ppm	
OEL STEL	540 mg/m³	
OEL STEL [ppm]	100 ppm	
Slovakia - Occupational Exposure Limits		
NPHV (OEL TWA) [1]	270 mg/m³	
NPHV (OEL TWA) [2]	50 ppm	
NPHV (OEL C)	540 mg/m³	
Slovenia - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
OEL TWA [ppm]	50 ppm	
OEL STEL	540 mg/m³	
OEL STEL [ppm]	100 ppm	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA) [1]	270 mg/m³ (indicative limit value)	
VLA-ED (OEL TWA) [2]	50 ppm (indicative limit value)	
VLA-EC (OEL STEL)	540 mg/m³	
VLA-EC (OEL STEL) [ppm]	100 ppm	
Sweden - Occupational Exposure Limits		
NGV (OEL TWA)	270 mg/m³ (Pentyl acetates)	
NGV (OEL TWA) [ppm]	50 ppm (Pentyl acetates)	

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Isoamyl acetate (123-92-2)	
KTV (OEL STEL)	540 mg/m³ (Pentyl acetates)
KTV (OEL STEL) [ppm]	100 ppm (Pentyl acetates)
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA) [1]	260 mg/m³
Grenseverdi (OEL TWA) [2]	50 ppm
Korttidsverdi (OEL STEL)	325 mg/m³ (value calculated)
Korttidsverdi (OEL STEL) [ppm]	75 ppm (value calculated)
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA [ppm]	50 ppm (Pentyl acetate, all isomers)
ACGIH OEL STEL [ppm]	100 ppm (Pentyl acetate, all isomers)
.alphaPinene (80-56-8)	
Belgium - Occupational Exposure Limits	
OEL TWA [ppm]	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)
OEL TWA [ppm]	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)
OEL STEL [ppm]	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
IPRV (OEL TWA) [ppm]	25 ppm
TPRV (OEL STEL)	300 mg/m³
TPRV (OEL STEL) [ppm]	50 ppm
Portugal - Occupational Exposure Limits	
OEL TWA [ppm]	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) [1]	113 mg/m³
VLA-ED (OEL TWA) [2]	20 ppm
OEL chemical category	Sensitizer
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	150 mg/m³
NGV (OEL TWA) [ppm]	25 ppm
KTV (OEL STEL)	300 mg/m³
KTV (OEL STEL) [ppm]	50 ppm
OEL chemical category	Sensitizer

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.alphaPinene (80-56-8)		
Norway - Occupational Exposure Limits		
Grenseverdi (OEL TWA) [1]	140 mg/m³	
Grenseverdi (OEL TWA) [2]	25 ppm	
Korttidsverdi (OEL STEL)	175 mg/m³ (value calculated)	
Korttidsverdi (OEL STEL) [ppm]	37.5 ppm (value calculated)	
OEL chemical category	Skin notation	
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA [ppm]	20 ppm (Turpentine and selected Monoterpenes)	
ACGIH chemical category	Not Classifiable as a Human Carcinogen, dermal sensitizer	
d-Limonene (5989-27-5)		
Finland - Occupational Exposure Limits		
HTP (OEL TWA) [1]	140 mg/m³	
HTP (OEL TWA) [2]	25 ppm	
HTP (OEL STEL)	280 mg/m³	
HTP (OEL STEL) [ppm]	50 ppm	
Germany - Occupational Exposure Limits (TRGS 90	0)	
AGW (OEL TWA) [1]	28 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)	
AGW (OEL TWA) [2]	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	
OEL TWA [ppm]	5 ppm	
OEL STEL	112 mg/m³	
OEL STEL [ppm]	20 ppm	
OEL chemical category	Potential for cutaneous absorption	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA) [1]	168 mg/m³	
VLA-ED (OEL TWA) [2]	30 ppm	
OEL chemical category	Sensitizer, skin - potential for cutaneous absorption	
Norway - Occupational Exposure Limits		
Grenseverdi (OEL TWA) [1]	140 mg/m³	
Grenseverdi (OEL TWA) [2]	25 ppm	
Korttidsverdi (OEL STEL)	175 mg/m³ (value calculated)	
Korttidsverdi (OEL STEL) [ppm]	37.5 ppm (value calculated)	
OEL chemical category	Allergenic substance	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA) [1]	40 mg/m³	

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d-Limonene (5989-27-5)			
MAK (OEL TWA) [2]	7 ppm		
KZGW (OEL STEL)	80 mg/m³		
KZGW (OEL STEL) [ppm]	14 ppm		
OEL chemical category	Sensitizer		
.betaPinene (127-91-3)			
Belgium - Occupational Exposure Limits			
OEL TWA [ppm]	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)		
OEL TWA [ppm]	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)		
OEL STEL [ppm]	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		
IPRV (OEL TWA) [ppm]	25 ppm		
TPRV (OEL STEL)	300 mg/m ³		
TPRV (OEL STEL) [ppm]	50 ppm		
Portugal - Occupational Exposure Limits			
OEL TWA [ppm]	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) [1]	113 mg/m³		
VLA-ED (OEL TWA) [2]	20 ppm		
OEL chemical category	Sensitizer		
Sweden - Occupational Exposure Limits			
NGV (OEL TWA)	150 mg/m³		
NGV (OEL TWA) [ppm]	25 ppm		
KTV (OEL STEL)	300 mg/m ³		
KTV (OEL STEL) [ppm]	50 ppm		
OEL chemical category	Sensitizer		
Norway - Occupational Exposure Limits	Norway - Occupational Exposure Limits		
Grenseverdi (OEL TWA) [1]	140 mg/m³		
Grenseverdi (OEL TWA) [2]	25 ppm		
Korttidsverdi (OEL STEL)	175 mg/m³ (value calculated)		
Korttidsverdi (OEL STEL) [ppm]	37.5 ppm (value calculated)		

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.betaPinene (127-91-3)				
USA - ACGIH - Occupational Exposure Limits				
ACGIH OEL TWA [ppm]	20 ppm (Turpentine and selected Monoterpenes)			
ACGIH chemical category	Not Classifiable as a Human Carcinogen, dermal sensitizer			
p-Cymene (99-87-6)				
Denmark - Occupational Exposure Limits				
OEL TWA [1]	135 mg/m³ (Methylisopropylbenzenes)			
OEL TWA [2]	25 ppm (Methylisopropylbenzenes)			
OEL STEL	270 mg/m³ (Methylisopropylbenzenes)			
OEL STEL [ppm]	50 ppm (Methylisopropylbenzenes)			
Estonia - Occupational Exposure Limits				
OEL TWA	140 mg/m³			
OEL TWA [ppm]	25 ppm			
OEL STEL	190 mg/m³			
OEL STEL [ppm]	35 ppm			
Latvia - Occupational Exposure Limits				
OEL TWA	10 mg/m³ (Cymene (2, 3, 4-isomers mixture))			
Lithuania - Occupational Exposure Limits				
IPRV (OEL TWA)	140 mg/m³			
IPRV (OEL TWA) [ppm]	25 ppm			
TPRV (OEL STEL)	190 mg/m³			
TPRV (OEL STEL) [ppm]	35 ppm			
Sweden - Occupational Exposure Limits				
NGV (OEL TWA)	140 mg/m³			
NGV (OEL TWA) [ppm]	25 ppm			
KTV (OEL STEL)	190 mg/m³			
KTV (OEL STEL) [ppm]	35 ppm			

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.

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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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid Colour Standard. Odour : characteristic. Odour threshold : No data available : No data available рΗ Relative evaporation rate (butylacetate=1) : No data available : No data available Melting point : No data available Freezing point : No data available Boiling point : > 93 °C Flash point

Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : Non flammable.
Vapour pressure : No data available
Relative vapour density at 20°C : No data available
Relative density : No data available

Solubility : No data available
Partition coefficient n-octanol/water (Log Pow) : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

9.2. Other information

No additional information available

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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.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Allyl cyclohexylpropionate (2705-87-5)	
LD50 oral rat	585 mg/kg (Source: NLM_CIP)
LD50 oral	380 mg/kg bodyweight
LD50 dermal rabbit	1600 mg/kg (Source: ECHA_API)
LD50 dermal	1600 mg/kg bodyweight
Hexamethylindanopyran (1222-05-5)	
LD50 oral rat	> 3250 mg/kg (Source: CHEMVIEW)
LD50 dermal rabbit	> 3250 mg/kg (Source: CHEMVIEW)
Hexyl cinnamic aldehyde (101-86-0)	
LD50 oral rat	3100 mg/kg (Source: NLM_CIP)
LD50 oral	3100 mg/kg bodyweight
LD50 dermal rabbit	> 3000 mg/kg (Source: EPA_HPV)
LC50 Inhalation - Rat	> 5 mg/l/4h
Allyl heptanoate (142-19-8)	
LD50 oral rat	500 mg/kg (Source: NLM_CIP)
LD50 oral	218 mg/kg bodyweight
LD50 dermal rabbit	810 mg/kg (Source: ECHA_API)
LD50 dermal	810 mg/kg bodyweight

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Additional information : Based on available data, the classification criteria are not met Serious eye damage/irritation : Not classified Additional information : Based on available data, the classification criteria are not met Respiratory or skin sensitisation : Not classified Additional information : 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	Linalool (78-70-6)	
A400 mg/kg (Source: NZ_CCID)	LD50 oral	2790 mg/kg bodyweight
D500 dermal rabbit	Orange oil (8008-57-9)	
Ethyl acetoacetate (141-97-9) LD50 oral rat 3980 mg/kg (Source: NLM_CIP) Benzyl acetate (140-11-4) LD50 oral rat 2490 mg/kg (Source: JAPAN_GHS) LD50 oral rat 2490 mg/kg (Source: JAPAN_GHS) LD50 oral rat 2490 mg/kg (Source: JAPAN_GHS) LD50 oral rat 3700 mg/kg (Source: JAPAN_GHS) LD50 oral rat 3700 mg/kg (Source: JAPAN_GHS) LD50 oral rat 3700 mg/kg (Source: NLM_CIP) LD50 oral 500 mg/kg (Source: NLM_CIP) LD50 oral 500 mg/kg (Source: CHEMVIEW) d-Limonene (5989-27-5) LD50 oral rat 4400 mg/kg (Source: CHEMVIEW) d-Limonene (5989-27-5) LD50 oral rat 59/kg (Source: CHEMVIEW) beta-Pinene (127-91-3) LD50 oral rat 59/kg (Source: CHEMVIEW) beta-Pinene (127-91-3) LD50 oral rat 59/kg (Source: CHEMVIEW) beta-Pinene (197-91-3) LD50 oral rat 79/kg (Source: CHEMVIEW) beta-Pinene (198-87-6) LD50 oral 84/kg (Source: CHEMVIEW) conditional rabbit 85/kg (Source: CHEMVIEW) conditional rabbit 86/kg (LD50 oral rat	4400 mg/kg (Source: NZ_CCID)
LD50 oral rat 3980 mg/kg (Source: NLM_CIP) Benzyl acetate (140-11-4) LD50 oral rat 2490 mg/kg (Source: JAPAN_GHS) LD50 oral 2490 mg/kg (Source: JAPAN_GHS) LD50 oral 2490 mg/kg (Source: JAPAN_GHS) LD50 demal rabbit > 5000 mg/kg (Source: JAPAN_GHS) LD50 oral rat 3700 mg/kg (Source: JAPAN_GHS) LD50 oral rat 3700 mg/kg (Source: NLM_CIP) LD50 oral rat 500 mg/kg (Source: NLM_CIP) LD50 oral rat 500 mg/kg (Source: CHEMVIEW) d-Limonene (5989-27-5) LD50 oral rat 4400 mg/kg (Source: CHEMVIEW) beta-Pinene (127-91-3) LD50 oral rat > 5000 mg/kg (Source: EPA_HPV) beta-Pinene (127-91-3) LD50 oral rat 4750 mg/kg (Source: NLM_CIP) LD50 oral rat 4750 mg/kg (Source: NLM_CIP) LD50 oral rat 4750 mg/kg (Source: CHEMVIEW) D-Cymene (99-87-6) LD50 oral rat 4750 mg/kg (Source: CHEMVIEW) L	LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)
LD50 demal rabbit > 5000 mg/kg (Source: NLM_CIP) Benzyl acetate (140-11-4) LD50 oral rat	Ethyl acetoacetate (141-97-9)	
LD50 oral rat	LD50 oral rat	3980 mg/kg (Source: NLM_CIP)
LD50 oral rat	LD50 dermal rabbit	> 5000 mg/kg (Source: NLM_CIP)
LD50 oral 2490 mg/kg bodyweight > 5000 mg/kg (Source: JAPAN_GHS) LD50 oral rat	Benzyl acetate (140-11-4)	
LD50 dermal rabbit > 5000 mg/kg (Source: JAPAN_GHS) Japha-Pinene (80-56-8) LD50 oral rat 3700 mg/kg (Source: NLM_CIP) LD50 oral 500 mg/kg (Source: CHEMVIEW) d-Limonene (5989-27-5) LD50 oral rat 4400 mg/kg (Source: CHEMVIEW) D50 dermal rabbit 5 g/kg (Source: CHEMVIEW) Jobera-Pinene (127-91-3) LD50 oral rat 5 5000 mg/kg (Source: CHEMVIEW) Jobera-Pinene (127-91-3) LD50 oral rat 5 5000 mg/kg (Source: EPA_HPV) Jobera-Pinene (199-87-6) LD50 oral rat 4750 mg/kg (Source: NLM_CIP) Jobera-Pinene (199-87-6) LD50 oral rat 4750 mg/kg (Source: NLM_CIP) Jobera-Pinene (199-87-6) LD50 oral rat 4750 mg/kg (Source: CHEMVIEW) Jobera-Pinene (199-87-6) LD50 oral rat 4750 mg/kg (Source: NLM_CIP) LD50 oral rat 4750 mg/kg (Source: CHEMVIEW) LD50 oral rat 4750 mg/kg (Source: CHEMVIEW) LD50 oral rabbit 5000 mg/kg (Source: CHEMVIEW) LC50 Inhalation - Rat (Vapours) 9.7 mg/V4h Skin corrosion/irritation 8 Jobera-Pinener (199-87-87-87-87-87-87-87-87-87-87-87-87-87-	LD50 oral rat	2490 mg/kg (Source: JAPAN_GHS)
LD50 oral rat LD50 oral rat LD50 oral soon mg/kg (Source: NLM_CIP) LD50 dermal rat Ad400 mg/kg (Source: CHEMVIEW) LD50 dermal rabbit LD50 dermal rabbit LD50 oral rat LD50 oral rat LD50 oral rat A4400 mg/kg (Source: CHEMVIEW) LD50 dermal rabbit > 5 g/kg (Source: CHEMVIEW) LD50 oral rat LD50 oral rat > 5000 mg/kg (Source: CHEMVIEW) LD50 oral rat > 5000 mg/kg (Source: CHEMVIEW) DP-Cymene (99-87-6) LD50 oral rat A750 mg/kg (Source: CHEMVIEW) DF-Cymene (99-87-6) LD50 oral rat A750 mg/kg (Source: NLM_CIP) LD50 oral rat A750 mg/kg (Source: CHEMVIEW) LD50 oral rat A750 mg/kg (Source: CHEMVIEW) LD50 oral rabbit > 5000 mg/kg (Source: CHEMVIEW) LD50 oral rat A750 mg/kg (Source: CHEMVIEW) LD50 oral rabbit > 5000 mg/kg (Source: CHEMVIEW) LD50 oral rabbit A750 mg/kg (Source: CHEMVIEW) LC50 Inhalation - Rat > 9.7 mg/l (Exposure time: 5 h Source: EU_CLH) LC50 Inhalation - Rat (Vapours) 9.7 mg/l/4h Skin corrosion/irritation Skorius eye damage/irritation Additional information Based on available data, the classification criteria are not met Seroius eye damage/irritation Additional information Based on available data, the classification criteria are not met Respiratory or skin sensitisation Additional information 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 Carcinogenicity Not classified Additional information Based on available data, the classification criteria are not met Benzyl acetate (140-11-4)	LD50 oral	2490 mg/kg bodyweight
LD50 oral rat	LD50 dermal rabbit	> 5000 mg/kg (Source: JAPAN_GHS)
LD50 oral LD50 dermal rat > 5000 mg/kg (Source: CHEMVIEW) d-Limonene (5989-27-5) LD50 oral rat 4400 mg/kg (Source: CHEMVIEW) > 5 g/kg (Source: CHEMVIEW) LD50 dermal rabbit > 5 g/kg (Source: CHEMVIEW) LD50 oral rat \$ 5000 mg/kg (Source: CHEMVIEW) \$ 5000 mg/kg (Source: NLM_CIP) LD50 oral rat \$ 4750 mg/kg (Source: NLM_CIP) LD50 oral rat \$ 4750 mg/kg (Source: CHEMVIEW) LD50 dermal rabbit \$ 5000 mg/kg (Source: CHEMVIEW) LD50 dermal rabbit \$ 5000 mg/kg (Source: CHEMVIEW) LD50 dermal rabbit \$ 5000 mg/kg (Source: CHEMVIEW) LC50 Inhalation - Rat \$ 9.7 mg/l (Exposure time: 5 h Source: EU_CLH) LD50 Inhalation - Rat (Vapours) \$ 9.7 mg/l (Exposure time: 5 h Source: EU_CLH) \$ 1000 mg/kg (Source: CHEMVIEW) LD50 dermal rabbit \$ 5000 mg/kg (Source: CHEMVIEW) \$ 1000 mg/kg (Source: CHEMVIEW) LD50 dermal rabbit \$ 5000 mg/kg (Source: CHEMVIEW) \$ 1000 mg/kg (Source: CHEMVIEW) \$ 1000 mg/kg (Source: CHEMVIEW) \$ 1000 mg/kg (Source: NLM_CIP) \$ 1000 mg/kg (Source: CHEMVIEW) \$ 1	.alphaPinene (80-56-8)	
LD50 dermal rat > 5000 mg/kg (Source: CHEMVIEW) d-Limonene (5989-27-5) LD50 oral rat 4400 mg/kg (Source: CHEMVIEW)	LD50 oral rat	3700 mg/kg (Source: NLM_CIP)
d-Limonene (5989-27-5) LD50 oral rat 4400 mg/kg (Source: CHEMVIEW) > 5 g/kg (Source: CHEMVIEW) DetaPinene (127-91-3)	LD50 oral	500 mg/kg bodyweight
LD50 oral rat 4400 mg/kg (Source: CHEMVIEW) > 5 g/kg (Source: CHEMVIEW) SetaPinene (127-91-3)	LD50 dermal rat	> 5000 mg/kg (Source: CHEMVIEW)
LD50 dermal rabbit > 5 g/kg (Source: CHEMVIEW) LD50 oral rat > 5000 mg/kg (Source: EPA_HPV) LD50 dermal rabbit > 5000 mg/kg (Source: CHEMVIEW) P-Cymene (99-87-6) LD50 oral rat 4750 mg/kg (Source: NLM_CIP) LD50 oral 4750 mg/kg (Source: NLM_CIP) LD50 oral 5000 mg/kg (Source: CHEMVIEW) LD50 dermal rabbit > 5000 mg/kg (Source: CHEMVIEW) LD50 dermal rabbit > 5000 mg/kg (Source: CHEMVIEW) LC50 Inhalation - Rat > 9.7 mg/l (Exposure time: 5 h Source: EU_CLH) LC50 Inhalation - Rat (Vapours) 9.7 mg/l/4h Skin corrosion/irritation : Not classified Additional information : Based on available data, the classification criteria are not met Serious eye damage/irritation : Not classified Seade on available data, the classification criteria are not met Germ cell mutagenicity : Not classified Seade on available data, the classification criteria are not met Germ cell mutagenicity : Not classified Seade on available data, the classification criteria are not met Germ cell mutagenicity : Not classified Seade on available data, the classification criteria are not met Carcinogenicity : Not classified Seade on available data, the classification criteria are not met Seade on available data, the classification criteria are not met Seade on available data, the classification criteria are not met Seade on available data, the classification criteria are not met Seade on available data, the classification criteria are not met Seade on available data, the classification criteria are not met Seade on available data, the classification criteria are not met Seade on available data, the classification criteria are not met Seade on available data, the classification criteria are not met Seade on available data, the classification criteria are not met Seade on av	d-Limonene (5989-27-5)	
LD50 oral rat > 5000 mg/kg (Source: EPA_HPV) LD50 dermal rabbit > 5000 mg/kg (Source: CHEMVIEW) p-Cymene (99-87-6) LD50 oral rat 4750 mg/kg (Source: NLM_CIP) LD50 oral 4750 mg/kg (Source: CHEMVIEW) LD50 oral 4750 mg/kg (Source: CHEMVIEW) LD50 dermal rabbit > 5000 mg/kg (Source: CHEMVIEW) LD50 dermal rabbit > 5000 mg/kg (Source: CHEMVIEW) LC50 Inhalation - Rat > 9.7 mg/l (Exposure time: 5 h Source: EU_CLH) LC50 Inhalation - Rat (Vapours) 9.7 mg/l/4h Skin corrosion/irritation Skin corrosion/irritation Serious eye damage/frritation Serious eye damage/frritat	LD50 oral rat	4400 mg/kg (Source: CHEMVIEW)
LD50 oral rat > 5000 mg/kg (Source: EPA_HPV) D50 dermal rabbit	LD50 dermal rabbit	> 5 g/kg (Source: CHEMVIEW)
p-Cymene (99-87-6) LD50 oral rat	.betaPinene (127-91-3)	
p-Cymene (99-87-6) LD50 oral rat	LD50 oral rat	> 5000 mg/kg (Source: EPA_HPV)
LD50 oral 4750 mg/kg (Source: NLM_CIP) LD50 oral 4750 mg/kg bodyweight LD50 dermal rabbit > 5000 mg/kg (Source: CHEMVIEW) LC50 Inhalation - Rat > 9.7 mg/l (Exposure time: 5 h Source: EU_CLH) LC50 Inhalation - Rat (Vapours) 9.7 mg/l/4h Skin corrosion/irritation : Not classified Additional information : Based on available data, the classification criteria are not met Serious eye damage/irritation : Not classified Additional information : Based on available data, the classification criteria are not met Respiratory or skin sensitisation : Not classified Additional information : 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 Carcinogenicity : Not classified Additional information : Based on available data, the classification criteria are not met Benzyl acetate (140-11-4)	LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)
LD50 oral 4750 mg/kg bodyweight LD50 dermal rabbit > 5000 mg/kg (Source: CHEMVIEW) > 9.7 mg/l (Exposure time: 5 h Source: EU_CLH) LC50 Inhalation - Rat > 9.7 mg/l (Exposure time: 5 h Source: EU_CLH) Skin corrosion/irritation Additional information Serious eye damage/irritation Additional information Based on available data, the classification criteria are not met Respiratory or skin sensitisation Additional information Saesed on available data, the classification criteria are not met Respiratory or skin sensitisation Additional information Based on available data, the classification criteria are not met Germ cell mutagenicity 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 Based on available data, the classification criteria are not met Based on available data, the classification criteria are not met Based on available data, the classification criteria are not met Based on available data, the classification criteria are not met	p-Cymene (99-87-6)	
LD50 dermal rabbit > 5000 mg/kg (Source: CHEMVIEW) LC50 Inhalation - Rat > 9.7 mg/l (Exposure time: 5 h Source: EU_CLH) LC50 Inhalation - Rat (Vapours) 9.7 mg/l/4h Skin corrosion/irritation : Not classified Additional information : Based on available data, the classification criteria are not met Serious eye damage/irritation : Not classified Additional information : Based on available data, the classification criteria are not met Respiratory or skin sensitisation : Not classified Additional information : 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 Benzyl acetate (140-11-4)	LD50 oral rat	4750 mg/kg (Source: NLM_CIP)
LC50 Inhalation - Rat > 9.7 mg/l (Exposure time: 5 h Source: EU_CLH) LC50 Inhalation - Rat (Vapours) 9.7 mg/l/4h Skin corrosion/irritation Additional information : Not classified Serious eye damage/irritation Additional information : Based on available data, the classification criteria are not met Respiratory or skin sensitisation Additional information : Based on available data, the classification criteria are not met Respiratory or skin sensitisation Additional information : Based on available data, the classification criteria are not met Germ cell mutagenicity Additional information : Not classified Additional information : Based on available data, the classification criteria are not met Carcinogenicity Additional information : Based on available data, the classification criteria are not met Benzyl acetate (140-11-4)	LD50 oral	4750 mg/kg bodyweight
LC50 Inhalation - Rat (Vapours) Skin corrosion/irritation Additional information Serious eye damage/irritation Additional information Serious eye damage/irritation Additional information Sespiratory or skin sensitisation Additional information Serious eye damage/irritation Cerm cell mutagenicity Additional information Sased on available data, the classification criteria are not met Serious eye damage/irritation Sased on available data, the classification criteria are not met Sespiratory or skin sensitisation Cerm cell mutagenicity Sased on available data, the classification criteria are not met Serious eye damage/irritation Sased on available data, the classification criteria are not met Sased on available data, the classification criteria are not met Carcinogenicity Carcinogenicity Carcinogenicity Additional information Sased on available data, the classification criteria are not met Benzyl acetate (140-11-4)	LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)
Skin corrosion/irritation : Not classified Additional information : Based on available data, the classification criteria are not met Serious eye damage/irritation : Not classified Additional information : Based on available data, the classification criteria are not met Respiratory or skin sensitisation : Not classified Additional information : 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 Benzyl acetate (140-11-4)	LC50 Inhalation - Rat	> 9.7 mg/l (Exposure time: 5 h Source: EU_CLH)
Additional information : Based on available data, the classification criteria are not met Serious eye damage/irritation : Not classified Additional information : Based on available data, the classification criteria are not met Respiratory or skin sensitisation : Not classified Additional information : 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 Benzyl acetate (140-11-4)	LC50 Inhalation - Rat (Vapours)	9.7 mg/l/4h
Serious eye damage/irritation : Not classified Additional information : Based on available data, the classification criteria are not met Respiratory or skin sensitisation : Not classified Additional information : 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 Benzyl acetate (140-11-4)		
Respiratory or skin sensitisation : Not classified Additional information : 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 Benzyl acetate (140-11-4)	Serious eye damage/irritation :	Not classified
Additional information : 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 Benzyl acetate (140-11-4)		
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 Benzyl acetate (140-11-4)		
Carcinogenicity : Not classified Additional information : Based on available data, the classification criteria are not met Benzyl acetate (140-11-4)	Germ cell mutagenicity :	Not classified
Additional information : Based on available data, the classification criteria are not met Benzyl acetate (140-11-4)	Additional information :	
	•	
IARC group 3 - Not classifiable	Benzyl acetate (140-11-4)	
	IARC group	3 - Not classifiable

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ARC group		3 - Not classifiable	
eproductive toxicity	:	Not classified	
dditional information	:	Based on available data, the classification criteria are not met	
TOT-single exposure	:	Not classified	
dditional information	:	Based on available data, the classification criteria are not met	
TOT-repeated exposure	:	Not classified	
dditional information	:	Based on available data, the classification criteria are not met	
spiration hazard	:	Not classified	
dditional information	:	Based on available data, the classification criteria are not met	
Orange oil (8008-57-9)			
Hydrocarbon		Yes	

SECTION 12: Ecological information

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Hazardous to the aquatic environment, short-term : No

acute

: Not classified

Hazardous to the aquatic environment, long-term

(chronic)

: Harmful to aquatic life with long lasting effects.

` ,	
Allyl cyclohexylpropionate (2705-87-5)	
LC50 - Fish [1]	0.13 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: ECHA)
Hexamethylindanopyran (1222-05-5)	
LC50 - Fish [1]	0.452 mg/l Wolf, 1996d-27682
LC50 - Other aquatic organisms [1]	> 0.14 mg/l REACH DOSSIER Pimephales promelas
EC50 - Crustacea [2]	260 μg/l REACH Dossier
EC50 - Other aquatic organisms [1]	0.131 mg/l REACH Dossier
Linalool (78-70-6)	
EC50 96h - Algae [1]	88.3 mg/l (Species: Desmodesmus subspicatus)
Ethyl acetoacetate (141-97-9)	
LC50 - Fish [1]	298 mg/l (Exposure time: 96 h - Species: Pimephales promelas Source: IUCLID)
LC50 - Fish [2]	290 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: IUCLID)
EC50 - Crustacea [1]	646 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	> 500 mg/l (Species: Desmodesmus subspicatus)
.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)
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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12.2. Persistence and degradability

Pineapple Mango CC-13074 10%	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Pineapple Mango CC-13074 10%	
Bioaccumulative potential	Not established.
Allyl cyclohexylpropionate (2705-87-5)	
Partition coefficient n-octanol/water (Log Pow)	4.28 (at 20 °C (at pH 5.3)
Hexamethylindanopyran (1222-05-5)	
BCF - Fish [1]	(1618 dimensionless (whole body w.w.)
Partition coefficient n-octanol/water (Log Pow)	5.3 (at 25 °C (at pH 7)
Allyl heptanoate (142-19-8)	
Partition coefficient n-octanol/water (Log Pow)	3.97 (at 20 °C (at pH 5.3)
Ethyl acetoacetate (141-97-9)	
Partition coefficient n-octanol/water (Log Pow)	0.8 (at 20 °C)
Benzyl acetate (140-11-4)	
Partition coefficient n-octanol/water (Log Pow)	1.96 (at 25 °C (at pH 7)
Isoamyl acetate (123-92-2)	
Partition coefficient n-octanol/water (Log Pow)	2.7 (at 35 °C)
.alphaPinene (80-56-8)	
Partition coefficient n-octanol/water (Log Pow)	4.1
d-Limonene (5989-27-5)	
Partition coefficient n-octanol/water (Log Pow)	4.38 (at 37 °C (at pH 7.2)
p-Cymene (99-87-6)	
Partition coefficient n-octanol/water (Log Pow)	4.8 (at 20 °C (at pH 7)
Partition coefficient n-octanol/water (Log Kow)	0

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

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HP Code

- : HP3 "Flammable:"
 - flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;
 - flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;
 - flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;
 - flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;
 - water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;
 - other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.

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	14.1. UN 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	No supplementary information available					

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. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

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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 (EU restriction list (REACH Annex XVII)				
Reference code	Applicable on	Entry title or description			
3(a)	Orange oil ; Isoamyl acetate ; .alphaPinene ; d-Limonene ; .beta Pinene ; p-Cymene	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)	Allyl cyclohexylpropionate ; Hexyl cinnamic aldehyde ; Allyl heptanoate; Linalool; Orange oil; d- Limonene; p-Cymene	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)	Pineapple Mango CC- 13074 10%; Allyl cyclohexylpropionate; Hexamethylindanopyran; Hexyl cinnamic aldehyde; Allyl heptanoate; Orange oil; Benzyl acetate; d- Limonene; p-Cymene	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			
40.	Orange oil ; Isoamyl acetate ; .alphaPinene ; d-Limonene ; .beta Pinene ; p-Cymene	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)

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).

Storage class (LGK, TRGS 510) : LGK 12 - Non-combustible liquids.

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Joint storage table : LCK1

LGK 4.1A .GK 1 LGK 2A LGK 2B LGK 3 LGK 4.1B LGK 4.2 LGK 5.1A LGK 5.1B LGK 4.3 LGK 5.1C LGK 5.2 LGK 6.1A LGK 6.1B LGK 6.1C LGK 6.1D GK 6.2 LGK 7 LGK 8A LGK 8B LGK 12 LGK 11 LGK 10 **LGK 13** LGK 10-13

Joint storage not permitted for : LGK 1, LGK 6.2, LGK 7.

Joint storage with restrictions permitted for : LGK 4.1A, LGK 4.3, LGK 5.1C.

Joint storage permitted for : 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

10-13

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

Netherlands

ABM category : A(3) - hazardous for aquatic organisms, may have longterm hazardous effects in aquatic

environment

SZW-lijst van kankerverwekkende stoffen : Orange oil is listed SZW-lijst van mutagene stoffen : Orange oil is 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

Switzerland

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

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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	H-statements:
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
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

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Full text of H- and EUH	H-statements:
Asp. Tox. 1	Aspiration hazard, Category 1
EUH208	Contains Allyl cyclohexylpropionate, Hexyl cinnamic aldehyde, Linalool, Orange oil . 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.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H361	Suspected of damaging fertility or 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.
Repr. 2	Reproductive toxicity, Category 2
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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