Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878



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

1.1. Product identifier

Product form Product name Product code Type of product

Mixture
 HIBISCUS AND HEMP CC-16386 25% in DPG
 CC-16386 25%

: 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 Nerol, Helional, (R)-p-mentha-1,8-diene; d-limonene, Hexyl salicylate, Citronellol Pure, Triplal (Vertocitral), Linalool, Geraniol. 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]
Bis(2-ethylhexyl) adipate substance with national workplace exposure limit(s) (PL)	CAS-No.: 103-23-1 EC-No.: 203-090-1 REACH-no: 01-2119439699- 19	7.525 – 15.05	Not classified
tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans)	CAS-No.: 63500-71-0 EC-No.: 405-040-6 EC Index-No.: 603-101-00-3 REACH-no: 01-000015458-64	0.35 – 1.375875	Eye Irrit. 2, H319
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8- hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB)	CAS-No.: 1222-05-5 EC-No.: 214-946-9 EC Index-No.: 603-212-00-7 REACH-no: 01-2119488227- 29	0.525 – 1.04375	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Linalool	CAS-No.: 78-70-6 EC-No.: 201-134-4 EC Index-No.: 603-235-00-2 REACH-no: 01-2119474016- 42	0.375 – 0.7375	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Triplal (Vertocitral)	CAS-No.: 68039-49-6 EC-No.: 268-264-1	0.2 – 0.417075	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412
benzyl benzoate	CAS-No.: 120-51-4 EC-No.: 204-402-9 EC Index-No.: 607-085-00-9 REACH-no: 01-2119976371- 33	0.175 – 0.33175	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
(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- 35	0.175 – 0.325	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
Hexyl salicylate	CAS-No.: 6259-76-3 EC-No.: 228-408-6	0.057 – 0.2615	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Citronellol Pure	CAS-No.: 106-22-9 EC-No.: 203-375-0 REACH-no: 01-2119453995- 23	0.10225 – 0.18375	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Helional	CAS-No.: 1205-17-0 EC-No.: 214-881-6 REACH-no: 01-2120740119- 58	0.1 – 0.175	Skin Sens. 1B, H317 Repr. 2, H361 Aquatic Chronic 2, H411

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Name	Product identifier	%	Classification according to
			Regulation (EC) No. 1272/2008 [CLP]
Nerol	CAS-No.: 106-25-2 EC-No.: 203-378-7	0.0725 – 0.1625	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
Geraniol	CAS-No.: 106-24-1 EC-No.: 203-377-1 EC Index-No.: 603-241-00-5 REACH-no: 01-2119552430- 49	0.0375 – 0.105	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317
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	0.05 – 0.075	Aquatic Chronic 3, H412
isopentyl 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, CH, 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	0.025 – 0.0375	Flam. Liq. 3, H226
citral substance with national workplace exposure limit(s) (BE, ES, IE, PL, PT)	CAS-No.: 5392-40-5 EC-No.: 226-394-6 EC Index-No.: 605-019-00-3 REACH-no: 01-2119462829- 23	0.00075 – 0.0045	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
.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	≤ 0.00375	Flam. Liq. 3, H226
Dipropylene glycol monomethyl ether substance with national workplace exposure limit(s) (AT, BE, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GI, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, NO, CH, TR); substance with a Community workplace exposure limit	CAS-No.: 34590-94-8 EC-No.: 252-104-2	≤ 0.0031	Not classified
Alcohol C-10 substance with national workplace exposure limit(s) (BG, DE, LT, LV, RO, CH)	CAS-No.: 112-30-1 EC-No.: 203-956-9	0 – 0.00035	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	≤ 0.00025	Flam. Liq. 3, H226
Aldehyde C-6 substance with national workplace exposure limit(s) (FI, PL)	CAS-No.: 66-25-1 EC-No.: 200-624-5	0 – 0.0001	Flam. Liq. 3, H226

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.

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First-aid measures after eye contact First-aid measures after ingestion	 Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. 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 Unsuitable extinguishing media	Foam. Dry powder. Carbon dioxide. Water spray. Sand.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.

SECTION 7: Handling and stor	rage
7.1. Precautions for safe handling	J
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, i	ncluding 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.

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Incompatible products Incompatible materials	Strong bases. Strong acids.Sources of ignition. Direct sunlight.			
Germany Storage class (LGK, TRGS 510)	: LGK 12 - N	lon-combustible	liquids	
Joint storage table	[:] LGK 1	LGK 2A	LGK 2B	LGK 3
	LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1
	LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1

LGK 10	LGK 11	LGK 12	LGK 13	LGK 10-13
LGK 6.1D	LGK 6.2	LGK 7	LGK 8A	LGK 8B
LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1B	LGK 6.1C
LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1A	LGK 5.1B

Joint storage not permitted for Joint storage with restrictions permitted for Joint storage permitted for : LGK 1, LGK 6.2, LGK 7

: LGK 4.1A, LGK 4.3, LGK 5.1C

: 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

LGK 4.1A

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

Alcohol C-10 (112-30-1)			
Bulgaria - Occupational Exposure Limits	Bulgaria - Occupational Exposure Limits		
OEL TWA	10 mg/m ³		
Germany - Occupational Exposure Limits (TRGS 90)))		
AGW (OEL TWA)	66 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)		
	10 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)		
Latvia - Occupational Exposure Limits			
OEL TWA	10 mg/m ³		
Lithuania - Occupational Exposure Limits			
IPRV (OEL TWA)	10 mg/m ³		
Romania - Occupational Exposure Limits			
OEL TWA	100 mg/m ³		
	15 ppm		
OEL STEL	200 mg/m ³		
	30 ppm		
Switzerland - Occupational Exposure Limits			
MAK (OEL TWA)	66 mg/m³ (aerosol, vapour)		
	10 ppm (aerosol, vapour)		
KZGW (OEL STEL)	66 mg/m³ (aerosol, vapour)		

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Alcohol C-10 (112-30-1)		
	10 ppm (aerosol, vapour)	
isopentyl acetate (123-92-2)	·	
EU - Indicative Occupational Exposure Limit (IOEL))	
IOEL TWA	270 mg/m³	
	50 ppm	
IOEL STEL	540 mg/m³	
	100 ppm	
Austria - Occupational Exposure Limits		
MAK (OEL TWA)	270 mg/m ³ (Pentyl acetate (all isomers))	
	50 ppm (Pentyl acetate (all isomers))	
MAK (OEL STEL)	540 mg/m³ (Pentylacetate)	
	100 ppm (Pentylacetate)	
Belgium - Occupational Exposure Limits	·	
OEL TWA	270 mg/m ³	
	50 ppm	
OEL STEL	540 mg/m ³	
	100 ppm	
Bulgaria - Occupational Exposure Limits	·	
OEL TWA	270 mg/m ³	
	50 ppm	
OEL STEL	540 mg/m³	
	100 ppm	
Croatia - Occupational Exposure Limits		
GVI (OEL TWA)	270 mg/m ³	
	50 ppm	
KGVI (OEL STEL)	540 mg/m ³	
	100 ppm	
Cyprus - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
	50 ppm	
OEL STEL	540 mg/m³	
	100 ppm	
Denmark - Occupational Exposure Limits		
OEL TWA	271 mg/m³ (Amyl acetate, all isomers)	
	50 ppm (Amyl acetate, all isomers)	
OEL STEL	540 mg/m³	
	100 ppm	
Estonia - Occupational Exposure Limits		
OEL TWA	270 mg/m³	

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isopentyl acetate (123-92-2)		
	50 ppm	
OEL STEL	540 mg/m³	
	100 ppm	
Finland - Occupational Exposure Limits		
HTP (OEL TWA)	270 mg/m³ (Pentyl acetate)	
	50 ppm (Pentyl acetate)	
HTP (OEL STEL)	540 mg/m ³	
	100 ppm	
France - Occupational Exposure Limits		
VME (OEL TWA)	270 mg/m ³ (restrictive limit)	
	50 ppm (restrictive limit)	
VLE (OEL C/STEL)	540 mg/m³ (restrictive limit)	
	100 ppm (restrictive limit)	
Germany - Occupational Exposure Limits (TRO	GS 900)	
AGW (OEL TWA)	270 mg/m³	
	50 ppm	
Gibraltar - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
	50 ppm	
OEL STEL	540 mg/m³	
	100 ppm	
Greece - Occupational Exposure Limits		
OEL TWA	530 mg/m ³	
	100 ppm	
OEL STEL	800 mg/m ³	
	150 ppm	
Hungary - Occupational Exposure Limits		
AK (OEL TWA)	270 mg/m³	
CK (OEL STEL)	540 mg/m ³	
Ireland - Occupational Exposure Limits		
OEL TWA	260 mg/m³	
	50 ppm	
OEL STEL	520 mg/m³	
	100 ppm	
Italy - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
	50 ppm	
OEL STEL	540 mg/m ³	
	100 ppm	
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isopentyl acetate (123-92-2)		
Latvia - Occupational Exposure Limits		
OEL TWA	270 mg/m ³	
	50 ppm	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	270 mg/m ³	
	50 ppm	
TPRV (OEL STEL)	540 mg/m³	
	100 ppm	
Luxembourg - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
	50 ppm	
OEL STEL	540 mg/m ³	
	100 ppm	
Malta - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
	50 ppm	
OEL STEL	540 mg/m ³	
	100 ppm	
Netherlands - Occupational Exposure Limits		
TGG-15min (OEL STEL)	530 mg/m³	
	98.1 ppm	
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	250 mg/m³	
NDSCh (OEL STEL)	500 mg/m ³	
Portugal - Occupational Exposure Limits		
OEL TWA	270 mg/m ³ (indicative limit value)	
	50 ppm (indicative limit value (Pentyl acetate, all isomers)	
OEL STEL	540 mg/m³ (indicative limit value)	
	100 ppm (indicative limit value)	
Romania - Occupational Exposure Limits		
OEL TWA	270 mg/m ³	
	50 ppm	
OEL STEL	540 mg/m³	
	100 ppm	
Slovakia - Occupational Exposure Limits		
NPHV (OEL TWA)	270 mg/m³	
	50 ppm	
NPHV (OEL C)	540 mg/m ³	

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isopentyl acetate (123-92-2)		
Slovenia - Occupational Exposure Limits		
OEL TWA	270 mg/m ³	
	50 ppm	
OEL STEL	540 mg/m ³	
	100 ppm	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA)	270 mg/m³ (indicative limit value)	
	50 ppm (indicative limit value)	
VLA-EC (OEL STEL)	540 mg/m³	
	100 ppm	
Sweden - Occupational Exposure Limits		
NGV (OEL TWA)	270 mg/m³ (Pentyl acetates)	
	50 ppm (Pentyl acetates)	
KGV (OEL STEL)	540 mg/m³ (Pentyl acetates)	
	100 ppm (Pentyl acetates)	
Norway - Occupational Exposure Limits		
Grenseverdi (OEL TWA)	260 mg/m ³	
	50 ppm	
Korttidsverdi (OEL STEL)	325 mg/m³ (value calculated)	
	75 ppm (value calculated)	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA)	260 mg/m ³ (Pentyl acetate all isomers)	
	50 ppm (Pentyl acetate all isomers)	
KZGW (OEL STEL)	260 mg/m³ (Pentyl acetate all isomers)	
	50 ppm (Pentyl acetate all isomers)	
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA	50 ppm (Pentyl acetate, all isomers)	
ACGIH OEL STEL	100 ppm (Pentyl acetate, all isomers)	
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/m ³	
	20 ppm	
Ireland - Occupational Exposure Limits		
OEL TWA	10 ppm	

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Benzyl acetate (140-11-4)		
OEL STEL	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	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/m ³	
	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/m ³	
	25 ppm	
HTP (OEL STEL)	280 mg/m ³	
	50 ppm	
Germany - Occupational Exposure Limits (TRGS 900)		
AGW (OEL TWA)	28 mg/m ³ (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	20 ppm Potential for cutaneous absorption	
OEL chemical category Spain - Occupational Exposure Limits		

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(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)			
	30 ppm		
OEL chemical category	Sensitizer, skin - potential for cutaneous absorption		
Norway - Occupational Exposure Limits			
Grenseverdi (OEL TWA)	140 mg/m ³		
	25 ppm		
Korttidsverdi (OEL STEL)	175 mg/m ³ (value calculated)		
	37.5 ppm (value calculated)		
OEL chemical category	Allergenic substance		
Switzerland - Occupational Exposure Limits			
MAK (OEL TWA)	40 mg/m ³		
	7 ppm		
KZGW (OEL STEL)	80 mg/m³		
	14 ppm		
OEL chemical category	Sensitizer		
Aldehyde C-6 (66-25-1)			
Finland - Occupational Exposure Limits			
HTP (OEL STEL)	42 mg/m ³		
	10 ppm		
Poland - Occupational Exposure Limits			
NDS (OEL TWA)	40 mg/m ³		
NDSCh (OEL STEL)	80 mg/m³		
Bis(2-ethylhexyl) adipate (103-23-1)			
Poland - Occupational Exposure Limits			
NDS (OEL TWA)	400 mg/m ³		
.betaPinene (127-91-3)			
Belgium - Occupational Exposure Limits			
OEL TWA	20 ppm		
Estonia - Occupational Exposure Limits			
OEL TWA	150 mg/m ³ (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/m ³ (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/m ³		

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B0 ppm Portugal - Occupational Exposure Limits OEL Fermical category Sensitizer dermal, A4 - Not Classifiable as a Human Carrinogen Spain - Occupational Exposure Limits 13 mg/m² VLA-ED (OEL TWA) 13 mg/m² OEL chemical category Sensitizer dermal, A4 - Not Classifiable as a Human Carrinogen System - Occupational Exposure Limits 20 ppm VLA-ED (OEL TWA) 150 mg/m² Swoden - Occupational Exposure Limits 50 ppm NEV (OEL TWA) 150 mg/m² 0 ppm 00 ppm OEL chemical category Son gm/a 0 ppm 00 ppm OEL chemical category Son gm/a Swoden - Occupational Exposure Limits 00 ppm OEL chemical category Son gm/a Swoden - Occupational Exposure Limits 150 mg/m² Renewerdi (OEL TWA) 160 mg/m² Zo ppm (value calculated) 175 mg/m² (value calculated) 37.5 ppm (value calculated) 175 mg/m² (value calculated) ACGH - Occupational Exposure Limits Sole phm OEL TWA 20 ppm (Turpentine and selected Monoterpnees) ACGH - O	.betaPinene (127-91-3)		
OEL TWA 20 ppm (Turpentine and selected Monotarpenes) OEL chemical category Sensitizer dermal, A4 - Not Classifiable as a Human Carcinogen Spain - Occupational Exposure Limits 113 mg/ml VLA-ED (OEL TWA) 20 ppm OEL chemical category Sensitizer Sweden - Occupational Exposure Limits 150 mg/ml Sweden - Occupational Exposure Limits 150 mg/ml KGV (OEL TWA) 150 mg/ml Symp Sensitizer Norkay - Occupational Exposure Limits 50 ppm OEL chemical category Sensitizer Norkay - Occupational Exposure Limits Sensitizer OEL chemical category Sensitizer Norkay - Occupational Exposure Limits 75 mg/ml (value calculated) Genesverdi (OEL STEL) 140 mg/ml Z5 ppm 75 mg/ml (value calculated) 37.5 ppm (value calculated) 37.5 ppm (value calculated) 37.6 ppm (Value calculated) 37.5 ppm (value calculated) 37.6 ppm (Value calculated) 37.5 ppm (value calculated) 37.6 ppm (value calculated) 37.5 ppm (value calculated) S0EL TWA 20 ppm (Turpentine and selected Monoterpa		50 ppm	
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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) 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	Estonia - Occupational Exposure Limits		
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	OEL TWA		
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			
Itemport Itemport IPRV (OEL TWA) 150 mg/m³ 25 ppm	OEL STEL		
IPRV (OEL TWA) 150 mg/m ³ 25 ppm			
25 ppm	Lithuania - Occupational Exposure Limits		
	IPRV (OEL TWA)	150 mg/m³	
TPRV (OEL STEL) 300 mg/m³		25 ppm	
	TPRV (OEL STEL)	300 mg/m ³	
50 ppm		50 ppm	

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.alphaPinene (80-56-8)	
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	I
VLA-ED (OEL TWA)	113 mg/m ³
	20 ppm
OEL chemical category	Sensitizer
Sweden - Occupational Exposure Limits	1
NGV (OEL TWA)	150 mg/m³
	25 ppm
KGV (OEL STEL)	300 mg/m ³
	50 ppm
OEL chemical category	Sensitizer
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	140 mg/m ³
	25 ppm
Korttidsverdi (OEL STEL)	175 mg/m ³ (value calculated)
	37.5 ppm (value calculated)
OEL chemical category	Skin notation
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
Dipropylene glycol monomethyl ether (34590-	-94-8)
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	308 mg/m ³
	50 ppm
Remark	Possibility of significant uptake through the skin
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	307 mg/m³ (mixed isomers)
	50 ppm (mixed isomers)
MAK (OEL STEL)	614 mg/m³ (isomers mixtures)
	100 ppm (isomers mixtures)
OEL chemical category	Skin notation
Belgium - Occupational Exposure Limits	
OEL TWA	308 mg/m ³
	50 ppm
OEL chemical category	Skin, Skin notation
Bulgaria - Occupational Exposure Limits	
OEL TWA	308 mg/m ³

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50 ppm Croatia - Occupational Exposure Limits GVI (OEL TWA) 308 mg/m³ 50 ppm 50 ppm OEL chemical category Skin notation Cyprus - Occupational Exposure Limits 308 mg/m³ OEL TWA 308 mg/m³ OEL chemical category Skin-potential for cutaneous absorption Czech Republic - Occupational Exposure Limits 270 mg/m³ PEL (OEL TWA) 270 mg/m³ OEL chemical category Potential for cutaneous absorption Denmark - Occupational Exposure Limits Potential for cutaneous absorption Denmark - Occupational Exposure Limits 909 mg/m³ OEL TWA 309 mg/m³ OEL Chemical category Potential for cutaneous absorption Denmark - Occupational Exposure Limits 50 ppm OEL TWA 308 mg/m³ OEL chemical category Potential for cutaneous absorption Estonia - Occupational Exposure Limits 50 ppm OEL chemical category Sin notation Filnand - Occupational Exposure Limits 50 ppm OEL chemical category Sin notation Finand - Occupational Exp	Dipropylene glycol monomethyl ether (34590-94-8)		
GVI (OEL TWA) 308 mg/m³ GEL chemical category Skin notation Cyprus - Occupational Exposure Limits 308 mg/m³ OEL TWA 308 mg/m³ GEL TWA 308 mg/m³ OEL TWA 308 mg/m³ OEL chemical category Skin-potential for cutaneous absorption Czech Republic - Occupational Exposure Limits 270 mg/m³ OEL chemical category Potential for cutaneous absorption Denmark - Occupational Exposure Limits 270 mg/m³ OEL themical category Potential for cutaneous absorption Denmark - Occupational Exposure Limits 309 mg/m³ OEL STEL 618 mg/m³ OEL chemical category Potential for cutaneous absorption DEL truka 308 mg/m³ OEL chemical category Potential for cutaneous absorption Estonia - Occupational Exposure Limits Sin notation OEL truka 308 mg/m³ OEL chemical category Sin notation Finland - Occupational Exposure Limits Sin notation OEL chemical category Potential for cutaneous absorption Finland - Occupational Exposure Limits		50 ppm	
50 ppm OEL chemical category Skin notation Cypus - Occupational Exposure Limits 308 mg/m ³ OEL themical category Skin-potential for cutaneous absorption Czech Republic - Occupational Exposure Limits 270 mg/m ³ OEL chemical category Skin-potential for cutaneous absorption Czech Republic - Occupational Exposure Limits 270 mg/m ³ PEL (OEL TWA) 270 mg/m ³ OEL chemical category Potential for cutaneous absorption Denmark - Occupational Exposure Limits 309 mg/m ³ OEL TWA 309 mg/m ³ OEL STEL 618 mg/m ³ OEL chemical category Potential for cutaneous absorption DEL chemical category Potential for cutaneous absorption Estonia - Occupational Exposure Limits 308 mg/m ³ OEL chemical category Potential for cutaneous absorption Endition 50 ppm OEL chemical category Potential for cutaneous absorption Estonia - Occupational Exposure Limits S0 ppm OEL chemical category Potential for cutaneous absorption Finland - Occupational Exposure Limits S0 ppm <td>Croatia - Occupational Exposure Limits</td> <td></td>	Croatia - Occupational Exposure Limits		
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Cyprus - Occupational Exposure Limits 308 mg/m³ OEL TWA 308 mg/m³ 50 ppm OEL chemical category OEL chemical category Skin-potential for cutaneous absorption Czech Republic - Occupational Exposure Limits PEL (OEL TWA) OEL chemical category Potential for cutaneous absorption Demark - Occupational Exposure Limits Potential for cutaneous absorption Demark - Occupational Exposure Limits 309 mg/m³ OEL TWA 309 mg/m³ OEL STEL 618 mg/m³ OEL chemical category Potential for cutaneous absorption OEL chemical category Potential for cutaneous absorption Estonia - Occupational Exposure Limits 618 mg/m³ OEL themical category Potential for cutaneous absorption Estonia - Occupational Exposure Limits 308 mg/m³ OEL chemical category Skin notation Finland - Occupational Exposure Limits 310 mg/m³ MTP (OEL TWA) 310 mg/m³ So ppm 50 ppm OEL chemical category Potential for cutaneous absorption France - Occupational Exposure Limits 50 ppm (restrictive limit)<		50 ppm	
OEL TWA 308 mg/m³ 50 ppm OEL chemical category Skin-potential for cutaneous absorption Czech Republic - Occupational Exposure Limits PEL (OEL TWA) OEL chemical category Potential for cutaneous absorption Demmark - Occupational Exposure Limits 009 mg/m³ OEL TWA 309 mg/m³ OEL TWA 309 mg/m³ OEL STEL 618 mg/m³ OEL chemical category Potential for cutaneous absorption Estonia - Occupational Exposure Limits 008 mg/m³ OEL themical category Skin notation Finland - Occupational Exposure Limits 50 ppm OEL chemical category Skin notation Finland - Occupational Exposure Limits 50 ppm OEL chemical category Potential for cutaneous absorption Finland - Occupational Exposure Limits 50 ppm OEL chemical category Potential for cutaneous absorption Finland - Occupational Exposure Limits 50 ppm OEL chemical category Potential for cutaneous absorption France - Occupational Exposure Limits 50 ppm (restrictive limit) </td <td>OEL chemical category</td> <td>Skin notation</td>	OEL chemical category	Skin notation	
S0 pm OEL chemical category Skin-potential for cutaneous absorption Czech Republic - Occupational Exposure Limits PEL (OEL TWA) PEL (OEL TWA) 270 mg/m³ OEL chemical category Potential for cutaneous absorption Denmark - Occupational Exposure Limits 309 mg/m³ OEL TWA 309 mg/m³ OEL TWA 100 pm OEL STEL 618 mg/m³ 100 pm 000000000000000000000000000000000000	Cyprus - Occupational Exposure Limits		
OEL chemical category Skin-potential for cutaneous absorption Czech Republic - Occupational Exposure Limits 270 mg/m³ OEL chemical category Potential for cutaneous absorption Denmark - Occupational Exposure Limits 309 mg/m³ OEL TWA 309 mg/m³ OEL TWA 618 mg/m³ OEL STEL 618 mg/m³ OEL chemical category Potential for cutaneous absorption OEL chemical category Potential for cutaneous absorption OEL streL 618 mg/m³ OEL chemical category Potential for cutaneous absorption Estonia - Occupational Exposure Limits 308 mg/m³ OEL themical category 8kin notation Finland - Occupational Exposure Limits 309 mg/m³ OEL chemical category Skin notation Finland - Occupational Exposure Limits 310 mg/m³ THP (OEL TWA) 310 mg/m³ OEL chemical category Potential for cutaneous absorption France - Occupational Exposure Limits 308 mg/m³ (restrictive limit) OEL chemical category 808 mg/m³ (restrictive limit) OEL chemical category 808 mg/m³ (restrictive limit)	OEL TWA	308 mg/m ³	
Czech Republic - Occupational Exposure Limits 270 mg/m ³ OEL chemical category Potential for cutaneous absorption Denmark - Occupational Exposure Limits 309 mg/m ³ OEL TWA 309 mg/m ³ OEL TWA 309 mg/m ³ OEL TWA 618 mg/m ³ OEL STEL 618 mg/m ³ OEL chemical category Potential for cutaneous absorption OEL chemical category Potential for cutaneous absorption Estonia - Occupational Exposure Limits 308 mg/m ³ OEL Chemical category Sin mg/m ³ OEL chemical category Sin notation Finland - Occupational Exposure Limits 308 mg/m ³ OEL chemical category Sin notation Finland - Occupational Exposure Limits To up/m ³ OEL chemical category Potential for cutaneous absorption France - Occupational Exposure Limits To up/m ³ OEL chemical category Potential for cutaneous absorption France - Occupational Exposure Limits To up/m ³ VME (OEL TWA) 308 mg/m ³ (restrictive limit) OEL chemical category Net of cutaneous absorption <td></td> <td>50 ppm</td>		50 ppm	
PEL (OEL TWA) 270 mg/m³ OEL chemical category Potential for cutaneous absorption Denmark - Occupational Exposure Limits 309 mg/m³ OEL TWA 309 mg/m³ OEL TWA 60 ppm OEL STEL 618 mg/m³ OEL chemical category Potential for cutaneous absorption DEL chemical category Potential for cutaneous absorption Estonia - Occupational Exposure Limits 308 mg/m³ OEL chemical category Sin mg/m³ OEL chemical category Sin notation Finland - Occupational Exposure Limits 309 mg/m³ OEL chemical category Sin notation Finland - Occupational Exposure Limits 310 mg/m³ MTP (OEL TWA) 310 mg/m³ OEL chemical category Potential for cutaneous absorption France - Occupational Exposure Limits So ppm OEL chemical category Potential for cutaneous absorption France - Occupational Exposure Limits So ppm (restrictive limit) OEL chemical category 308 mg/m³ (restrictive limit) OEL chemical category Sin prom³ (restrictive limit) OEL chemical	OEL chemical category	Skin-potential for cutaneous absorption	
OEL chemical category Potential for cutaneous absorption Denmark - Occupational Exposure Limits 309 mg/m ³ OEL TWA 309 mg/m ³ OEL STEL 618 mg/m ³ OEL chemical category Potential for cutaneous absorption OEL chemical category Potential for cutaneous absorption Estonia - Occupational Exposure Limits 308 mg/m ³ OEL chemical category Sol 8 mg/m ³ OEL chemical category Skin notation Finland - Occupational Exposure Limits Sin pom OEL chemical category Skin notation Finland - Occupational Exposure Limits Sin pom OEL chemical category Potential for cutaneous absorption Finland - Occupational Exposure Limits Sin pog/m ³ HTP (OEL TWA) 310 mg/m ³ OEL chemical category Potential for cutaneous absorption France - Occupational Exposure Limits Sin pog/m ³ (restrictive limit) VME (OEL TWA) 308 mg/m ³ (restrictive limit) Sin pog (restrictive limit) Sin pog (restrictive limit) OEL chemical category Risk of cutaneous absorption	Czech Republic - Occupational Exposure Limits		
Denmark - Occupational Exposure Limits 309 mg/m³ OEL TWA 309 mg/m³ 50 ppm 50 ppm OEL STEL 618 mg/m³ 100 ppm 00 ppm OEL chemical category Potential for cutaneous absorption Estonia - Occupational Exposure Limits 308 mg/m³ OEL TWA 308 mg/m³ OEL chemical category Skin notation Finland - Occupational Exposure Limits 300 mg/m³ OEL chemical category Skin notation Finland - Occupational Exposure Limits 310 mg/m³ OEL chemical category Potential for cutaneous absorption France - Occupational Exposure Limits 310 mg/m³ OEL chemical category Potential for cutaneous absorption France - Occupational Exposure Limits S0 ppm OEL chemical category Potential for cutaneous absorption France - Occupational Exposure Limits S0 ppm (restrictive limit) S0 ppm (restrictive limit) 50 ppm (restrictive limit) OEL chemical category Risk of cutaneous absorption	PEL (OEL TWA)	270 mg/m³	
OEL TWA 309 mg/m³ 50 ppm 50 ppm OEL STEL 618 mg/m³ 100 ppm 100 ppm OEL chemical category Potential for cutaneous absorption Estonia - Occupational Exposure Limits 308 mg/m³ OEL themical category S08 mg/m³ OEL chemical category Skin notation Finland - Occupational Exposure Limits S10 mg/m³ OEL themical category Stin notation Finland - Occupational Exposure Limits 310 mg/m³ OEL chemical category Potential for cutaneous absorption France - Occupational Exposure Limits S08 mg/m³ (restrictive limit) OEL chemical category Potential for cutaneous absorption France - Occupational Exposure Limits S08 mg/m³ (restrictive limit) OEL chemical category Risk of cutaneous absorption	OEL chemical category	Potential for cutaneous absorption	
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OEL STEL 618 mg/m³ 100 ppm 00 ppm OEL chemical category Potential for cutaneous absorption Estonia - Occupational Exposure Limits 308 mg/m³ OEL TWA 308 mg/m³ OEL chemical category Skin notation OEL chemical category Skin notation Finland - Occupational Exposure Limits 310 mg/m³ MTP (OEL TWA) 310 mg/m³ OEL chemical category Potential for cutaneous absorption France - Occupational Exposure Limits 308 mg/m³ (restrictive limit) VME (OEL TWA) 308 mg/m³ (restrictive limit) OEL chemical category Risk of cutaneous absorption	OEL TWA	309 mg/m³	
Image: Constraint of the second se		50 ppm	
OEL chemical category Potential for cutaneous absorption Estonia - Occupational Exposure Limits 308 mg/m³ OEL TWA 308 mg/m³ 50 ppm Skin notation Finland - Occupational Exposure Limits Skin notation HTP (OEL TWA) 310 mg/m³ 0EL chemical category Potential for cutaneous absorption Finland - Occupational Exposure Limits 310 mg/m³ HTP (OEL TWA) 310 mg/m³ 0EL chemical category Potential for cutaneous absorption France - Occupational Exposure Limits 308 mg/m³ (restrictive limit) VME (OEL TWA) 308 mg/m³ (restrictive limit) 50 ppm (restrictive limit) 50 ppm (restrictive limit) OEL chemical category Risk of cutaneous absorption	OEL STEL	618 mg/m³	
Estonia - Occupational Exposure Limits OEL TWA 308 mg/m³ 50 ppm 50 ppm OEL chemical category Skin notation Finland - Occupational Exposure Limits HTP (OEL TWA) 310 mg/m³ 50 ppm 50 ppm OEL chemical category Potential for cutaneous absorption France - Occupational Exposure Limits VME (OEL TWA) 308 mg/m³ (restrictive limit) 50 ppm (restrictive limit) 50 ppm (restrictive limit) OEL chemical category Risk of cutaneous absorption		100 ppm	
OEL TWA 308 mg/m³ 50 ppm 50 ppm OEL chemical category Skin notation Finland - Occupational Exposure Limits 310 mg/m³ HTP (OEL TWA) 310 mg/m³ 50 ppm 50 ppm OEL chemical category Potential for cutaneous absorption France - Occupational Exposure Limits 308 mg/m³ (restrictive limit) VME (OEL TWA) 308 mg/m³ (restrictive limit) 50 ppm (restrictive limit) 50 ppm (restrictive limit) OEL chemical category Risk of cutaneous absorption	OEL chemical category	Potential for cutaneous absorption	
50 ppm OEL chemical category Skin notation Finland - Occupational Exposure Limits HTP (OEL TWA) 310 mg/m³ 50 ppm OEL chemical category Potential for cutaneous absorption France - Occupational Exposure Limits VME (OEL TWA) 308 mg/m³ (restrictive limit) 50 ppm (restrictive limit) OEL chemical category Risk of cutaneous absorption	Estonia - Occupational Exposure Limits		
OEL chemical category Skin notation Finland - Occupational Exposure Limits 310 mg/m³ HTP (OEL TWA) 310 mg/m³ 0EL chemical category Potential for cutaneous absorption OEL chemical category Potential for cutaneous absorption France - Occupational Exposure Limits 308 mg/m³ (restrictive limit) VME (OEL TWA) 308 mg/m³ (restrictive limit) 50 ppm (restrictive limit) 50 ppm (restrictive limit) OEL chemical category Risk of cutaneous absorption	OEL TWA	308 mg/m ³	
Finland - Occupational Exposure Limits HTP (OEL TWA) 310 mg/m³ 50 ppm OEL chemical category Potential for cutaneous absorption France - Occupational Exposure Limits 308 mg/m³ (restrictive limit) VME (OEL TWA) 308 mg/m³ (restrictive limit) 50 ppm (restrictive limit) 50 ppm (restrictive limit) OEL chemical category Risk of cutaneous absorption		50 ppm	
HTP (OEL TWA) 310 mg/m³ 50 ppm 50 ppm OEL chemical category Potential for cutaneous absorption France - Occupational Exposure Limits 308 mg/m³ (restrictive limit) VME (OEL TWA) 308 mg/m³ (restrictive limit) 50 ppm (restrictive limit) 50 ppm (restrictive limit) OEL chemical category Risk of cutaneous absorption	OEL chemical category	Skin notation	
50 ppm OEL chemical category Potential for cutaneous absorption France - Occupational Exposure Limits 308 mg/m³ (restrictive limit) VME (OEL TWA) 308 mg/m³ (restrictive limit) 50 ppm (restrictive limit) 50 ppm (restrictive limit) OEL chemical category Risk of cutaneous absorption	Finland - Occupational Exposure Limits		
OEL chemical category Potential for cutaneous absorption France - Occupational Exposure Limits 308 mg/m³ (restrictive limit) VME (OEL TWA) 308 mg/m³ (restrictive limit) 50 ppm (restrictive limit) 50 ppm (restrictive limit) OEL chemical category Risk of cutaneous absorption	HTP (OEL TWA)	310 mg/m ³	
France - Occupational Exposure Limits VME (OEL TWA) 308 mg/m³ (restrictive limit) 50 ppm (restrictive limit) OEL chemical category Risk of cutaneous absorption		50 ppm	
VME (OEL TWA) 308 mg/m³ (restrictive limit) 50 ppm (restrictive limit) OEL chemical category Risk of cutaneous absorption	OEL chemical category	Potential for cutaneous absorption	
50 ppm (restrictive limit) OEL chemical category Risk of cutaneous absorption	France - Occupational Exposure Limits		
OEL chemical category Risk of cutaneous absorption	VME (OEL TWA)	308 mg/m ³ (restrictive limit)	
		50 ppm (restrictive limit)	
Germany - Occupational Exposure Limits (TRGS 900)	OEL chemical category	Risk of cutaneous absorption	
AGW (OEL TWA) 310 mg/m ³ (isomer mixture)	AGW (OEL TWA)	310 mg/m³ (isomer mixture)	
50 ppm (isomer mixture)		50 ppm (isomer mixture)	
Gibraltar - Occupational Exposure Limits			
OEL TWA 308 mg/m ³	OEL TWA	308 mg/m ³	
50 ppm		50 ppm	
OEL chemical category Skin notation	OEL chemical category	Skin notation	
Greece - Occupational Exposure Limits			
OEL TWA 600 mg/m ³	OEL TWA	600 mg/m ³	

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Dipropylene glycol monomethyl ether	(34590-94-8)
	100 ppm
OEL STEL	900 mg/m ³
	150 ppm
OEL chemical category	skin - potential for cutaneous absorption
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	308 mg/m ³
Ireland - Occupational Exposure Limits	
OEL TWA	308 mg/m ³ ((2-Methoxymethylethoxy)propanol)
	50 ppm ((2-Methoxymethylethoxy)propanol)
OEL STEL	924 mg/m ³ (calculated (2-(2-Methoxypropoxy)-1-propanol)
	150 ppm (calculated (2-(2-Methoxypropoxy)-1-propanol)
OEL chemical category	Potential for cutaneous absorption
Italy - Occupational Exposure Limits	
OEL TWA	308 mg/m ³ (1-(3-Methoxypropoxy)propan-1-ol)
	50 ppm (1-(3-Methoxypropoxy)propan-1-ol)
OEL chemical category	skin - potential for cutaneous absorption
Latvia - Occupational Exposure Limits	
OEL TWA	308 mg/m ³
	50 ppm
OEL chemical category	skin - potential for cutaneous exposure
Lithuania - Occupational Exposure Limits	
IPRV (OEL TWA)	300 mg/m ³ (2-(2-Methoxypropoxy)-propanol)
	50 ppm (2-(2-Methoxypropoxy)-propanol)
TPRV (OEL STEL)	450 mg/m³ (2-(2-Methoxypropoxy)-propanol)
	75 ppm (2-(2-Methoxypropoxy)-propanol)
OEL chemical category	Skin notation
Luxembourg - Occupational Exposure Lim	its
OEL TWA	308 mg/m ³
	50 ppm
OEL chemical category	Possibility of significant uptake through the skin
Malta - Occupational Exposure Limits	
OEL TWA	308 mg/m ³
	50 ppm
OEL chemical category	Possibility of significant uptake through the skin
Netherlands - Occupational Exposure Limi	its
TGG-8u (OEL TWA)	300 mg/m ³
	48.7 ppm

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Dipropylene glycol monomethyl ether	(34590-94-8)
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	240 mg/m ³ (mixture of isomers: 1-(2-Methoxy-1-methylethoxy)propan-2-ol, 1-(2-Methoxy- 2-methylethoxy)propan-2-ol and 2-(2-Methoxy-1-methylethoxy)propan-1-ol)
NDSCh (OEL STEL)	480 mg/m ³ (mixture of isomers: 1-(2-Methoxy-1-methylethoxy)propan-2-ol, 1-(2-Methoxy- 2-methylethoxy)propan-2-ol, 2-(2-Methoxy-1-methylethoxy)propan-1-ol)
Portugal - Occupational Exposure Limits	
OEL TWA	308 mg/m ³ (indicative limit value)
	50 ppm (indicative limit value)
OEL STEL	150 ppm
OEL chemical category	skin - potential for cutaneous exposure indicative limit value
Romania - Occupational Exposure Limits	
OEL TWA	308 mg/m³
	50 ppm
OEL chemical category	Skin notation
Slovakia - Occupational Exposure Limits	1
NPHV (OEL TWA)	308 mg/m ³
	50 ppm
OEL chemical category	Potential for cutaneous absorption
Slovenia - Occupational Exposure Limits	
OEL TWA	308 mg/m ³
	50 ppm
OEL STEL	308 mg/m ³
	50 ppm
OEL chemical category	Potential for cutaneous absorption
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	308 mg/m³ (indicative limit value)
VLA-LD (OLL TWA)	
051	50 ppm (indicative limit value)
OEL chemical category	skin - potential for cutaneous absorption
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	300 mg/m ³
	50 ppm
KGV (OEL STEL)	450 mg/m ³
	75 ppm
OEL chemical category	Skin notation
United Kingdom - Occupational Exposure L	
WEL TWA (OEL TWA)	308 mg/m ³
	50 ppm
WEL STEL (OEL STEL)	924 mg/m³ (calculated)
	150 ppm (calculated)
WEL chemical category	Potential for cutaneous absorption

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Dipropylene glycol monomethyl ether (34590	-94-8)	
Norway - Occupational Exposure Limits		
Grenseverdi (OEL TWA)	300 mg/m ³	
	50 ppm	
Korttidsverdi (OEL STEL)	375 mg/m³ (value calculated)	
	75 ppm (value calculated)	
OEL chemical category	Skin notation	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA)	300 mg/m³ (aerosol, vapour)	
	50 ppm (aerosol, vapour)	
KZGW (OEL STEL)	300 mg/m³ (aerosol, vapour)	
	50 ppm (aerosol, vapour)	
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA	50 ppm (Dipropylene glycol methyl ether)	
citral (5392-40-5)		
Belgium - Occupational Exposure Limits		
OEL TWA	32 mg/m³ (vapor and aerosol)	
	5 ppm (vapor and aerosol)	
OEL chemical category	Skin	
Ireland - Occupational Exposure Limits		
OEL TWA	5 ppm	
OEL STEL	15 ppm (calculated)	
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	27 mg/m³	
NDSCh (OEL STEL)	54 mg/m³	
Portugal - Occupational Exposure Limits		
OEL TWA	5 ppm (inhalable fraction; vapor)	
OEL chemical category	Sensitizer dermal, A4 - Not Classifiable as a Human Carcinogen, skin - potential for cutaneous exposure	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA)	5 ppm (inhalable fraction and vapor)	
OEL chemical category	Sensitizer, skin - potential for cutaneous absorption	
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA	5 ppm (inhalable fraction and vapor)	
ACGIH chemical category	Not Classifiable as a Human Carcinogen, Skin - potential significant contribution to overall exposure by the cutaneous route, dermal sensitizer	

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

:	Liquid
:	Standard.
:	characteristic.
:	Not available
:	Non flammable.
:	Not available
:	Not available
:	> 93 °C
:	Not available

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

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.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008		
Acute toxicity (dermal) :	Not classified Not classified Not classified	
Nerol (106-25-2)		
LD50 oral rat	4500 mg/kg (Source: NLM_CIP)	
LD50 oral	4500 mg/kg bodyweight	
LD50 dermal rabbit	> 5 g/kg (Source: NLM_CIP)	
Alcohol C-10 (112-30-1)		
LD50 oral rat	4720 mg/kg (Source: NZ_CCID)	
LD50 dermal rabbit	3560 mg/kg (Source: NLM_CIP)	
Helional (1205-17-0)		
LD50 dermal rabbit	> 2000 mg/kg (Source: ECHA_API)	

Safety Data Sheet

LB50 oral nt 2490 mgkg (Source: JAPAN_GHS) LB50 oral 2490 mgkg (Source: JAPAN_GHS) LB50 demal nabbt > 5000 mgkg (Source: JAPAN_GHS) LB50 demal nabbt > 5000 mgkg (Source: JAPAN_GHS) LB50 demal nabbt > 5 gkg (Source: CHEMVEW) LB50 demal nabbt > 5 gkg (Source: CHEMVEW) LB50 demal nabbt > 5 gkg (Source: NLM_CIP) LB50 demal nabbt > 5 gkg (Source: NLM_CIP) LD50 demal nabbt > 5 gkg (Source: NLM_CIP) LD50 demal nabbt > 8100 mgkg (Source: NLM_CIP) LD50 demal nabbt 2650 mgkg (Source: NLM_CIP) LD50 demal nabbt > 2000 mgkg (Benzyl acetate (140-11-4)		
LD50 dermal mbbit > 5000 mg/kg (Source: JAPAN_GHS) (R)-p-mentha-1,8-dilene; d-Ilmonene (5989-27-5) LD50 dermal mbbit > 5 g/kg (Source: CHEMVIEW) Haxyl salicylate (6259-76-3) LD50 dermal mbbit > 5 g/kg (Source: NLM_CIP) LD60 dermal mbbit > 5 g/kg (Source: NLM_CIP) LD60 dermal mbbit > 5 g/kg (Source: NLM_CIP) LD60 dermal mbbit > 6100 mg/kg (Source: NLM_CIP) LD60 dermal mbbit > 6100 mg/kg (Source: NLM_CIP) LD60 dermal mbbit > 8100 mg/kg (Source: NLM_CIP) LD60 dermal mbbit > 8100 mg/kg (Source: NLM_CIP) LD50 dermal mbbit > 8100 mg/kg (Source: NLM_CIP) LD50 dermal mbbit > 8400 mg/kg (Source: NLM_CIP) LD50 dermal mabbit 2650 mg/kg (Source: NLM_CIP) LD50 dermal mbbit 2650 mg/kg (Source: NLM_CIP) LD50 dermal mbbit > 2000 mg/kg (Source: NLM_CIP) LD50 dermal mbbit > 2000 mg/kg (Source: NLM_CIP) LD50 dermal mbbit > 200 mg/kg (Source: NLM_CIP) LD50 dermal mbbit \$ 500 mg/kg (Source: NLM_CIP) LD50 dermal mbbit 8410 mg/kg (Source: NLM_CIP) LD50 dermal rabbit 8400 mg/kg (Source: NLM_CIP) LD50 dermal rabbit	LD50 oral rat	2490 mg/kg (Source: JAPAN_GHS)	
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LD50 oral rat 500 mg/kg (Source: NLM_CIP) LD50 oral 1160 mg/kg bodyweight LD50 dermal rabbit 4000 mg/kg (Source: NLM_CIP) 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylinteno[5,6-c]pyran; galaxolide; (HHCB) (1222-05-5) LD50 oral rat > 3250 mg/kg (Source: CHEMVIEW) LD50 dermal rabbit > 3250 mg/kg (Source: CHEMVIEW) LD50 lnhalation - Rat > 5.04 mg/l/4h	LD50 oral	2790 mg/kg	
LD50 oral 1160 mg/kg bodyweight LD50 dermal rabbit 4000 mg/kg (Source: NLM_CIP) 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB) (1222-05-5) LD50 oral rat > 3250 mg/kg (Source: CHEMVIEW) LD50 dermal rabbit > 3250 mg/kg (Source: CHEMVIEW) LD50 dermal rabbit > 3250 mg/kg (Source: CHEMVIEW) LD50 dermal rabbit > 3250 mg/kg (Source: CHEMVIEW) LC50 Inhalation - Rat > 5.04 mg/l/4h	benzyl benzoate (120-51-4)		
LD50 dermal rabbit4000 mg/kg (Source: NLM_CIP)1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB) (1222-05-5)LD50 oral rat> 3250 mg/kg (Source: CHEMVIEW)LD50 dermal rabbit> 3250 mg/kg (Source: CHEMVIEW)LD50 dermal rabbit> 3250 mg/kg (Source: CHEMVIEW)LC50 Inhalation - Rat> 5.04 mg/l/4hJournal of the second	LD50 oral rat	500 mg/kg (Source: NLM_CIP)	
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB) (1222-05-5) LD50 oral rat > 3250 mg/kg (Source: CHEMVIEW) LD50 dermal rabbit > 3250 mg/kg (Source: CHEMVIEW) LC50 Inhalation - Rat > 5.04 mg/l/4h .betaPinene (127-91-3) -	LD50 oral	1160 mg/kg bodyweight	
LD50 oral rat > 3250 mg/kg (Source: CHEMVIEW) LD50 dermal rabbit > 3250 mg/kg (Source: CHEMVIEW) LC50 Inhalation - Rat > 5.04 mg/l/4h .betaPinene (127-91-3) -	LD50 dermal rabbit	4000 mg/kg (Source: NLM_CIP)	
LD50 dermal rabbit > 3250 mg/kg (Source: CHEMVIEW) LC50 Inhalation - Rat > 5.04 mg/l/4h	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB) (1222-05-5)		
LC50 Inhalation - Rat > 5.04 mg/l/4h .betaPinene (127-91-3)	LD50 oral rat	> 3250 mg/kg (Source: CHEMVIEW)	
.betaPinene (127-91-3)	LD50 dermal rabbit	> 3250 mg/kg (Source: CHEMVIEW)	
	LC50 Inhalation - Rat	> 5.04 mg/l/4h	
LD50 oral rat > 5000 mg/kg (Source: EPA_HPV)	.betaPinene (127-91-3)		
	LD50 oral rat	> 5000 mg/kg (Source: EPA_HPV)	

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.betaPinene (127-91-3)		
LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)	
.alphaPinene (80-56-8)		
LD50 oral rat	3700 mg/kg (Source: NLM_CIP)	
LD50 dermal rat	> 5000 mg/kg (Source: CHEMVIEW)	
Dipropylene glycol monomethyl ether (34590-	94-8)	
LD50 oral rat	5.35 g/kg (Source: NLM_HSDB)	
LD50 dermal rabbit	9500 mg/kg (Source: NLM_CIP)	
Geraniol (106-24-1)		
LD50 oral rat	3600 mg/kg (Source: NLM_CIP)	
LD50 oral	3600 mg/kg bodyweight	
LD50 dermal rabbit	> 5 g/kg (Source: NLM_CIP)	
citral (5392-40-5)		
LD50 oral rat	4960 mg/kg (Source: NLM_CIP)	
LD50 dermal rabbit	2250 mg/kg (Source: NLM_CIP)	
Additional information:Serious eye damage/irritation:Additional information:Respiratory or skin sensitisation:Additional information:Germ cell mutagenicity:Additional information:Carcinogenicity:Additional information:Benzyl acetate (140-11-4)	Not classified Based on available data, the classification criteria are not met Not classified Based on available data, the classification criteria are not met Not classified Based on available data, the classification criteria are not met Not classified Based on available data, the classification criteria are not met Not classified Based on available data, the classification criteria are not met	
IARC group	3 - Not classifiable	
(R)-p-mentha-1,8-diene; d-limonene (5989-27-	5)	
IARC group	3 - Not classifiable	
Bis(2-ethylhexyl) adipate (103-23-1)		
IARC group	3 - Not classifiable	
Additional information:STOT-single exposure:Additional information:STOT-repeated exposure:Additional information:Additional information:Aspiration hazard:	Not classified Based on available data, the classification criteria are not met Not classified Based on available data, the classification criteria are not met Not classified Based on available data, the classification criteria are not met Not classified Based on available data, the classification criteria are not met 5	
· ·		
benzyl benzoate (120-51-4)		
Viscosity, kinematic	7.456 mm²/s	

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

.betaPinene (127-91-3)		
Hydrocarbon Yes		
.alphaPinene (80-56-8)		
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 : Based on available data, the classification criteria are not met symptoms

SECTION 12: Ecological information			
12.1. Toxicity			
(acute)	Not classified Harmful to aquatic life with long lasting effects.		
Nerol (106-25-2)			
LC50 - Fish [1]	20.3 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)		
Alcohol C-10 (112-30-1)			
LC50 - Fish [1]	2.2 – 2.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)		
LC50 - Fish [2]	4.12 – 6.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)		
EC50 - Crustacea [1]	3 mg/l (Exposure time: 48 h - Species: Daphnia magna)		
(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)		
Aldehyde C-6 (66-25-1)			
LC50 - Fish [1]	12 – 16.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)		
Bis(2-ethylhexyl) adipate (103-23-1)			
LC50 - Fish [1]	0.48 – 0.85 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)		
LC50 - Fish [2]	0.48 – 0.85 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: EPA)		
EC50 - Crustacea [1]	> 1.6 mg/l (Exposure time: 48 h - Species: Daphnia magna)		
EC50 72h - Algae [1]	> 500 mg/l (Species: Desmodesmus subspicatus)		
Linalool (78-70-6)			
EC50 96h - Algae [1]	88.3 mg/l (Species: Desmodesmus subspicatus)		

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LC30 - Fish (1) 2.32 mg1 (Exposure time: 86 h - Species: Danio renio [semi-static] Source: ECHA] NDEC (chronic) 0.188 mg1 1,3,4,6,7,3,4-hxxxhydro-4,6,6,7,8,8-hxxxmthylin-den0[5,6-[pyran; galaxolide; (HHCB) (1222-05-5) LC50 - Fish (1) 0.442 mg1 Wki, 19664-27682 LC50 - Other aquatic organisms (1) 0.141 mg1 REACH Dossier EC50 - Other aquatic organisms (1) 0.131 mg1 REACH Dossier Alpha-Prinene (60-56-8)	benzyl benzoate (120-51-4)			
1.3.4.6.7.8-hexahydro-4.6.6.7.8.8-hexamethylindeno[5.6-0]pyran: galaxolide; (HHCB) (1222-05-5) LCS0 - Fish [1] 0.452 mgN Wolf, 19964-27682 LCS0 - Other aqualic organisms [1] > 0.14 mgN REACH Dossier EC60 - Crustacea [2] 260 ug/ REACH Dossier EC60 - Other aqualic organisms [1] 0.131 mgN REACH Dossier .alphaPinene (80-56-8)	LC50 - Fish [1]	2.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)		
LC50 - Fish [1] 0.452 mgN Wolf. 1996d-27682 LC50 - Other aquatic organisms [1] > 0.14 mgN REACH DOSSIER Pimephales promelas EC50 - Crustacea [2] 260 µgN REACH DOSSIER Pimephales promelas EC50 - Other aquatic organisms [1] 0.13 mgN REACH DOSSIER Pimephales promelas alphaPinene (80-56-3)	NOEC (chronic)	0.168 mg/l		
LC50 - Other aquatic organisms [1] > 0.14 mg/LRACH DOSSIER Primephales promelas EC50 - Other aquatic organisms [1] 0.131 mg/LRACH Dossier alpha - Prinene (80-56-8)	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylir	ndeno[5,6-c]pyran; galaxolide; (HHCB) (1222-05-5)		
EC50 - Crustacea [2] 260 µg/ REACH Dossier EC50 - Other aquatic organisms [1] 0.131 mg/ REACH Dossier alphaPrinene (80-56-8)	LC50 - Fish [1]	0.452 mg/l Wolf, 1996d-27682		
ECS0 - Other aquatic organisms [1] 0.131 mgll REACH Dossier .alphaPinene (80-56-8)	LC50 - Other aquatic organisms [1]	> 0.14 mg/l REACH DOSSIER Pimephales promelas		
alphaPinene (80-56-8) LC50 - Fish [1] 0.28 mgA (Exposure time: 96 h - Species: Pimephales promelas [static] Source: IUCLID) EC50 - Crustacea [1] 41 mgA (Exposure time: 48 h - Species: Daphnia magna) Dipropylene glycol monomethyl ether (34590-94-8) LC50 - Fish [1] LC50 - Crustacea [1] 1919 mg/l (Exposure time: 96 h - Species: Daphnia magna) Geraniol (106-24-1) LC50 - Crustacea [1] LC50 - Fish [1] 22 mg/l (Exposure time: 96 h - Species: Daphnia magna) Geraniol (106-24-1) LC50 - Crustacea [1] LC50 - Crustacea [1] 27 mg/l (Exposure time: 96 h - Species: Daphnia magna) Geraniol (106-24-1) LC50 - Crustacea [1] LC50 - Trustacea [1] 7 mg/l (Exposure time: 48 h - Species: Daphnia magna) EC50 - Crustacea [1] 7 mg/l (Exposure time: 48 h - Species: Daphnia magna) EC50 72h - Algae [1] 16 mg/l (Species: Desmodesmus subspicatus) EC50 96h - Algae [1] 19 mg/l (Species: Desmodesmus subspicatus) 12.2. Persistence and degradability Not established. Nerol (106-25-2) Persistence and degradability Persistence and degradability Rapidly degradable Helional (1205-17-0) Persistence and degradability Persistence and degradability Rapidly deg	EC50 - Crustacea [2]	260 μg/l REACH Dossier		
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) Dipropylene glycol monomethyl ether (34590-94-8) LC50 - Fish [1] > 10000 mg/l (Exposure time: 96 h - Species: Daphnia magna) Geranicl (106-24-1) LC50 - Fish [1] 22 mg/l (Exposure time: 48 h - Species: Daphnia magna) Geranicl (106-24-1) LC50 - Crustacea [1] 1919 mg/l (Exposure time: 48 h - Species: Daphnia magna) Geranicl (106-24-1) LC50 - Crustacea [1] 7 mg/l (Exposure time: 48 h - Species: Daphnia magna) EC50 - Crustacea [1] 7 mg/l (Exposure time: 48 h - Species: Daphnia magna) EC50 - Crustacea [1] 16 mg/l (Species: Desmodesmus subspicatus) EC50 96h - Algae [1] 16 mg/l (Species: Desmodesmus subspicatus) EC50 96h - Algae [1] 19 mg/l (Species: Desmodesmus subspicatus) HIBISCUS AND HEMP CC-16336 25% in DPG Persistence and degradability Nerol (106-25-2) Persistence and degradability Persistence and degradability Rapidly degradable Helional (1205-17-0) Persistence and degradability Persistence and degradability Rapidly degradable Benzyl acetate (120-92-2)	EC50 - Other aquatic organisms [1]	0.131 mg/l REACH Dossier		
EC50 - Crustacea [1] 41 mg/l (Exposure time: 48 h - Species: Daphnia magna) Dipropylene glycol monomethyl ether (34590-94-8) LC50 - Fish [1] > 10000 mg/l (Exposure time: 96 h - Species: Diaphnia magna) EC50 - Crustacea [1] 1919 mg/l (Exposure time: 48 h - Species: Daphnia magna) Geraniol (106-24-1) LC50 - Fish [1] 22 mg/l (Exposure time: 96 h - Species: Daphnia magna) Citral (5392-40-5) EC50 - Crustacea [1] 7 mg/l (Exposure time: 48 h - Species: Daphnia magna) EC50 - Crustacea [1] 7 mg/l (Exposure time: 48 h - Species: Daphnia magna) EC50 - Crustacea [1] EC50 - Crustacea [1] 7 mg/l (Exposure time: 48 h - Species: Daphnia magna) EC50 - Crustacea [1] EC50 - Crustacea [1] 19 mg/l (Species: Desmodesmus subspicatus) EC50 - Crustacea [1] EC50 - Species: Daphnia magna EC50 - Crustacea [1] 19 mg/l (Species: Desmodesmus subspicatus) EC50 - Crustacea and degradability Not established. Nerol (106-25-2) Persistence and degradability Rapidly degradable Alcohol C-10 (112-30-1) Persistence and degradability Rapidly degradable Nerol (106-25-2) Persistence and degradability Rapidly degradable Sepentyl acetate (125-9-2) Persistence and degradability Rapidly degradable	.alphaPinene (80-56-8)			
Dipropylene glycol monomethyl ether (34590-94-8) LCS0 - Fish [1] > 10000 mg/l (Exposure time: 96 h - Species: Daphnia magna) EC50 - Crustacea [1] 1919 mg/l (Exposure time: 48 h - Species: Daphnia magna) Geranicl (106-24-1) LCS0 - Fish [1] 22 mg/l (Exposure time: 96 h - Species: Danio rerio [static] Source: ECHA) Citral (5392-40-5) EC50 - Crustacea [1] 7 mg/l (Exposure time: 48 h - Species: Daphnia magna) EC50 - Crustacea [1] 7 mg/l (Exposure time: 48 h - Species: Daphnia magna) EC50 72h - Algae [1] EC50 96h - Algae [1] 19 mg/l (Species: Desmodesmus subspicatus) EC50 96h - Algae [1] HIBISCUS AND HEMP CC-16386 25% in DPG Persistence and degradability HIBISCUS AND HEMP CC-16386 25% in DPG Persistence and degradability Nerol (106-25-2) Persistence and degradability Persistence and degradability Rapidly degradable Alcohol C-10 (112-30-1) Persistence and degradability Persistence and degradability Rapidly degradable Helional (1205-17-0) Persistence and degradability Persistence and degradability Rapidly degradable Benzyl acetate (120-11-4) Persistence and degradability Persistence and degradability <	LC50 - Fish [1]	0.28 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: IUCLID)		
LCS0 - Fish [1] > 10000 mg/l (Exposure time: 96 h - Species: Dimephales promelas [static]) ECS0 - Crustacea [1] 1919 mg/l (Exposure time: 48 h - Species: Daphnia magna) Geraniol (106-24-1) LCS0 - Fish [1] 22 mg/l (Exposure time: 96 h - Species: Danio rerio [static] Source: ECHA) cttral (5392-40-5) ECS0 - Crustacea [1] 7 mg/l (Exposure time: 48 h - Species: Daphnia magna) ECS0 - Crustacea [1] 7 mg/l (Exposure time: 48 h - Species: Daphnia magna) ECS0 - Crustacea [1] 16 mg/l (Species: Desmodesmus subspicatus) ECS0 - Grustacea [1] 19 mg/l (Species: Desmodesmus subspicatus) ECS0 - Species: Desmodesmus subspicatus) ECS0 - Species: Desmodesmus subspicatus) ECS0 - Grustacea [1] 19 mg/l (Species: Desmodesmus subspicatus) ECS0 - Grustacea [1] 19 mg/l (Species: Desmodesmus subspicatus) ECS0 - Grustacea [1] 19 mg/l (Species: Desmodesmus subspicatus) ECS0 - Grustacea [1] 19 mg/l (Species: Desmodesmus subspicatus) ECS0 - Grustacea [1] 19 mg/l (Species: Desmodesmus subspicatus) ECS0 - Grustacea [1] 19 mg/l (Species: Desmodesmus subspicatus) ECS0 - Grustacea [1] 19 mg/l (Species: Desmodesmus subspicatus) ECS0 - Grustacea [1] Nerol (106-25.2) Persistence and degradability Rapidly deg	EC50 - Crustacea [1]	41 mg/l (Exposure time: 48 h - Species: Daphnia magna)		
EC50 - Crustacea [1] 1919 mg/l (Exposure time: 48 h - Species: Daphnia magna) Geraniol (106-24-1) LC50 - Fish [1] 22 mg/l (Exposure time: 96 h - Species: Daphnia magna) citral (5392-40-5) EC50 - Crustacea [1] 7 mg/l (Exposure time: 48 h - Species: Daphnia magna) EC50 - Crustacea [1] 7 mg/l (Exposure time: 48 h - Species: Daphnia magna) EC50 - Crustacea [1] 16 mg/l (Species: Desmodesmus subspicatus) EC50 9 db - Algae [1] 19 mg/l (Species: Desmodesmus subspicatus) EC50 9 db - Algae [1] 19 mg/l (Species: Desmodesmus subspicatus) EC50 9 db - Algae [1] 19 mg/l (Species: Desmodesmus subspicatus) EC50 9 db - Algae [1] 19 mg/l (Species: Desmodesmus subspicatus) EC50 9 db - Algae [1] 19 mg/l (Species: Desmodesmus subspicatus) EC50 9 db - Algae [1] 19 mg/l (Species: Desmodesmus subspicatus) EC50 9 db - Algae [1] 19 mg/l (Species: Desmodesmus subspicatus) EC50 9 db - Algae [1] 19 mg/l (Species: Desmodesmus subspicatus) EC50 9 db - Algae [1] 19 mg/l (Species: Desmodesmus subspicatus) EC50 9 db - Algae [1] Not established. Nerol (106-25-2) Persistence and degradability Persistence and degradability Rapidly degradable	Dipropylene glycol monomethyl ether (34590-	94-8)		
Geraniol (106-24-1) LC50 - Fish [1] 22 mg/l (Exposure time: 96 h - Species: Danio rerio [static] Source: ECHA) citral (5392-40-5) EC50 - Crustacea [1] 7 mg/l (Exposure time: 48 h - Species: Daphnia magna) EC50 72h - Algae [1] 16 mg/l (Species: Desmodesmus subspicatus) EC50 96h - Algae [1] 19 mg/l (Species: Desmodesmus subspicatus) 12.2. Persistence and degradability 19 mg/l (Species: Desmodesmus subspicatus) HIBISCUS AND HEMP CC-16386 25% in DPG Persistence and degradability Not established. Nerol (106-25-2) Persistence and degradability Rapidly degradable Alcohol C-10 (112-30-1) Persistence and degradability Rapidly degradable Helional (1205-17-0) Persistence and degradability Persistence and degradability Rapidly degradable Isopentyl acetate (123-92-2) Persistence and degradability Persistence and degradability Rapidly degradable Isopentyl acetate (123-92-2) Persistence and degradability Persistence and degradability Rapidly degradable Isopentyl acetate (140-11-4) Persistence and degradability Persistence and degradability Rapidly degradable B	LC50 - Fish [1]	> 10000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])		
LCS0 - Fish [1] 22 mg/l (Exposure time: 96 h - Species: Danio rerio [static] Source: ECHA) citral (5392-40-5) EC50 - Crustacea [1] 7 mg/l (Exposure time: 48 h - Species: Daphnia magna) EC50 72h - Algae [1] 16 mg/l (Species: Desmodesmus subspicatus) EC50 96h - Algae [1] 19 mg/l (Species: Desmodesmus subspicatus) 12.2. Persistence and degradability HIBISCUS AND HEMP CC-16386 25% in DPG Persistence and degradability Not established. Nerol (106-25-2) Persistence and degradability Rapidly degradable Alcohol C-10 (112-30-1) Persistence and degradability Rapidly degradable Helional (1205-17-0) Persistence and degradability Rapidly degradable Benzyl acetate (123-92-2) Persistence and degradability Rapidly degradable Benzyl acetate (123-92-2) Persistence and degradability Persistence and degradability Rapidly degradable Benzyl acetate (140-11-4) Persistence and degradability Persistence and degradability Rapidly degradable Benzyl acetate (140-11-4) Persistence and degradability Persistence and degradability Rapidly degradable Benzyl	EC50 - Crustacea [1]	1919 mg/l (Exposure time: 48 h - Species: Daphnia magna)		
citral (5392-40-5) EC50 - Crustacea [1] 7 mg/l (Exposure time: 48 h - Species: Daphnia magna) EC50 72h - Algae [1] 16 mg/l (Species: Desmodesmus subspicatus) EC50 96h - Algae [1] 19 mg/l (Species: Desmodesmus subspicatus) 12.2. Persistence and degradability HIBISCUS AND HEMP CC-16386 25% in DPG Persistence and degradability Norel (106-25-2) Persistence and degradability Rapidly degradable Alcohol C-10 (112-30-1) Persistence and degradability Rapidly degradable Helional (1205-17-0) Persistence and degradability Rapidly degradable Isopentyl acetate (123-92-2) Persistence and degradability Rapidly degradable Isopentyl acetate (140-11-4) Persistence and degradability Rapidly degradable	Geraniol (106-24-1)			
ECS0 - Crustacea [1] 7 mg/l (Exposure time: 48 h - Species: Daphnia magna) ECS0 72h - Algae [1] 16 mg/l (Species: Desmodesmus subspicatus) ECS0 96h - Algae [1] 19 mg/l (Species: Desmodesmus subspicatus) 12.2. Persistence and degradability HIBISCUS AND HEMP CC-16386 25% in DPG Persistence and degradability Not established. Nerol (106-25-2) Persistence and degradability Rapidly degradable Alcohol C-10 (112-30-1) Persistence and degradability Rapidly degradable Helional (1205-17-0) Persistence and degradability Rapidly degradable Isopentyl acetate (123-92-2) Persistence and degradability Rapidly degradable Isopentyl acetate (123-92-2) Persistence and degradability Rapidly degradable Benzyl acetate (140-11-4) Persistence and degradability Rapidly degradable Isopentyl acetate (140-11-4) Persistence and degradability Rapidly degradable Isopenta-1,8-diene; d-limonen (5989-27-5) Persistence and degradability Rapidly degradable Isopenta-1,8-diene; d-limonen (5989-27-5) Persistence and degradability Persistence and degradability </td <td>LC50 - Fish [1]</td> <td>22 mg/l (Exposure time: 96 h - Species: Danio rerio [static] Source: ECHA)</td>	LC50 - Fish [1]	22 mg/l (Exposure time: 96 h - Species: Danio rerio [static] Source: ECHA)		
EC50 72h - Algae [1] 16 mg/l (Species: Desmodesmus subspicatus) EC50 96h - Algae [1] 19 mg/l (Species: Desmodesmus subspicatus) 12.2. Persistence and degradability HIBISCUS AND HEMP CC-16386 25% in DPG Persistence and degradability Not established. Nerol (106-25-2) Persistence and degradability Alcohol C-10 (112-30-1) Persistence and degradability Rapidly degradable Helional (1205-17-0) Persistence and degradability Rapidly degradable isopentyl acetate (123-92-2) 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 Hexyl salicylate (6259-76-3)	citral (5392-40-5)			
EC50 96h - Algae [1] 19 mg/l (Species: Desmodesmus subspicatus) 12.2. Persistence and degradability HIBISCUS AND HEMP CC-16386 25% in DPG Persistence and degradability Not established. Nerol (106-25-2) Persistence and degradability Rapidly degradable Alcohol C-10 (112-30-1) Persistence and degradability Rapidly degradable Helional (1205-17-0) Persistence and degradability Rapidly degradable isopentyl acetate (123-92-2) Persistence and degradability Rapidly degradable Benzyl acetate (140-11-4) Persistence and degradability Rapidly degradable Benzyl acetate (140-11-4) Rapidly degradable Persistence and degradability Rapidly degradable Benzyl acetate (140-11-4) Persistence and degradability Persistence and degradability Rapidly degradable (R)-p-mentha-1,8-diene; d-limonene (5989-27-5) Persistence and degradability Persistence and degradability Rapidly degradable Hexyl salicylate (6259-76-3) Persistence and degradability	EC50 - Crustacea [1]	7 mg/l (Exposure time: 48 h - Species: Daphnia magna)		
12.2. Persistence and degradability HIBISCUS AND HEMP CC-16386 25% in DPG Persistence and degradability Not established. Nerol (106-25-2) Persistence and degradability Rapidly degradable Alcohol C-10 (112-30-1) Persistence and degradability Rapidly degradable Helional (1205-17-0) Persistence and degradability Rapidly degradable isopentyl acetate (123-92-2) 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 (R)-p-mentha-1,8-diene; d-limonene (5989-27-5) Persistence and degradability Rapidly degradable (R)-p-mentha-1,8-diene; d-limonene (5989-27-5) Persistence and degradability Rapidly degradable	EC50 72h - Algae [1]	16 mg/l (Species: Desmodesmus subspicatus)		
HIBISCUS AND HEMP CC-16386 25% in DPG Persistence and degradability Not established. Nerol (106-25-2) Persistence and degradability Rapidly degradable Alcohol C-10 (112-30-1) Persistence and degradability Rapidly degradable Helional (1205-17-0) Persistence and degradability Rapidly degradable Isopentyl acetate (123-92-2) Persistence and degradability Rapidly degradable Benzyl acetate (140-11-4) Persistence and degradability Rapidly degradable Benzyl acetate (140-11-4) Persistence and degradability Rapidly degradable Isopentyl acetate (140-11-4) Persistence and degradability Rapidly degradable Isopentyl 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 (Hexyl salicylate (6259-76-3) Hexyl salicylate (6259-76-3)	EC50 96h - Algae [1]	19 mg/l (Species: Desmodesmus subspicatus)		
Persistence and degradability Not established. Nerol (106-25-2) Persistence and degradability Rapidly degradable Alcohol C-10 (112-30-1) Persistence and degradability Rapidly degradable Helional (1205-17-0) Persistence and degradability Rapidly degradable isopentyl acetate (123-92-2) 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 (R)-p-mentha-1,8-diene; d-limonene (5989-27-5) Persistence and degradability Rapidly degradable Hexyl salicylate (6259-76-3) Image: Comparison of the set of the	12.2. Persistence and degradability			
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Persistence and degradability Rapidly degradable Alcohol C-10 (112-30-1) Persistence and degradability Persistence and degradability Rapidly degradable Helional (1205-17-0) Persistence and degradability Persistence and degradability Rapidly degradable isopentyl acetate (123-92-2) Persistence and degradability Persistence and degradability Rapidly degradable Benzyl acetate (140-11-4) Persistence and degradability Persistence and degradability Rapidly degradable (R)-p-mentha-1,8-diene; d-limonene (5989-27-5) Persistence and degradability Persistence and degradability Rapidly degradable (R)-p-mentha-1,8-diene; d-limonene (5989-27-5) Persistence and degradability Persistence and degradability Rapidly degradable Hexyl salicylate (6259-76-3) Persistence and degradability	Persistence and degradability	Not established.		
Alcohol C-10 (112-30-1) Rapidly degradable Persistence and degradability Rapidly degradable Helional (1205-17-0) Persistence and degradability Persistence and degradability Rapidly degradable isopentyl acetate (123-92-2) Persistence and degradability Persistence and degradability Rapidly degradable Benzyl acetate (140-11-4) Persistence and degradability Persistence and degradability Rapidly degradable (R)-p-mentha-1,8-diene; d-limonene (5989-27-5) Persistence and degradability Persistence and degradability Rapidly degradable Hexyl salicylate (6259-76-3) Persistence and degradability	Nerol (106-25-2)			
Persistence and degradability Rapidly degradable Helional (1205-17-0) Persistence and degradability Persistence and degradability Rapidly degradable isopentyl acetate (123-92-2) Persistence and degradability Persistence and degradability Rapidly degradable Benzyl acetate (140-11-4) Persistence and degradability Persistence and degradability Rapidly degradable (R)-p-mentha-1,8-diene; d-limonene (5989-27-5) Persistence and degradability Persistence and degradability Rapidly degradable (R)-p-mentha-1,8-diene; d-limonene (5989-27-5) Persistence and degradability Persistence and degradability Rapidly degradable Hexyl salicylate (6259-76-3) Persistence and degradability	Persistence and degradability	Rapidly degradable		
Helional (1205-17-0) Persistence and degradability Rapidly degradable isopentyl acetate (123-92-2) 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 (R)-p.sistence and degradability Rapidly degradable (R)-p.mentha-1,8-diene; d-limonene (5989-27-5) Persistence and degradability Persistence and degradability Rapidly degradable (R)-p.mentha-1,8-diene; d-limonene (5989-27-5) Persistence and degradability Persistence and degradability Rapidly degradable Hexyl salicylate (6259-76-3) Persistence and degradability	Alcohol C-10 (112-30-1)			
Persistence and degradability Rapidly degradable isopentyl acetate (123-92-2) 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 Hexyl salicylate (6259-76-3)	Persistence and degradability	Rapidly degradable		
isopentyl acetate (123-92-2) 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 (R)-psistence and degradability Rapidly degradable Hexyl salicylate (6259-76-3) Image: Comparison of the second degradability	Helional (1205-17-0)			
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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 Hexyl salicylate (6259-76-3)	isopentyl acetate (123-92-2)			
Persistence and degradability Rapidly degradable (R)-p-mentha-1,8-diene; d-limonene (5989-27-5) Persistence and degradability Rapidly degradable Hexyl salicylate (6259-76-3)	Persistence and degradability	Rapidly degradable		
(R)-p-mentha-1,8-diene; d-limonene (5989-27-5) Persistence and degradability Rapidly degradable Hexyl salicylate (6259-76-3)	Benzyl acetate (140-11-4)			
Persistence and degradability Rapidly degradable Hexyl salicylate (6259-76-3)	Persistence and degradability	Rapidly degradable		
Hexyl salicylate (6259-76-3)	(R)-p-mentha-1,8-diene; d-limonene (5989-27-	(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)		
	Persistence and degradability	Rapidly degradable		
Persistence and degradability Rapidly degradable	Hexyl salicylate (6259-76-3)			
	Persistence and degradability	Rapidly degradable		

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Aldehyde C-6 (66-25-1)			
Persistence and degradability	Rapidly degradable		
Citronellol Pure (106-22-9)			
Persistence and degradability	Rapidly degradable		
tetrahydro-2-isobutyl-4-methylpyran-4-ol, mix	ced isomers (cis and trans) (63500-71-0)		
Persistence and degradability	Rapidly degradable		
Triplal (Vertocitral) (68039-49-6)			
Persistence and degradability	Rapidly degradable		
Bis(2-ethylhexyl) adipate (103-23-1)			
Persistence and degradability	Rapidly degradable		
Linalool (78-70-6)			
Persistence and degradability	Rapidly degradable		
benzyl benzoate (120-51-4)			
Persistence and degradability	May cause long-term adverse effects in the environment.		
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethyli	ndeno[5,6-c]pyran; galaxolide; (HHCB) (1222-05-5)		
Persistence and degradability	Rapidly degradable		
.betaPinene (127-91-3)			
Persistence and degradability	Rapidly degradable		
.alphaPinene (80-56-8)			
Persistence and degradability	Rapidly degradable		
Dipropylene glycol monomethyl ether (34590	-94-8)		
Persistence and degradability	Rapidly degradable		
Geraniol (106-24-1)			
Persistence and degradability	Rapidly degradable		
citral (5392-40-5)			
Persistence and degradability	Rapidly degradable		
12.3. Bioaccumulative potential			
HIBISCUS AND HEMP CC-16386 25% in DPG			
Bioaccumulative potential	Not established.		
Nerol (106-25-2)			
Partition coefficient n-octanol/water (Log Pow)	2.76 (at 30 °C (at pH 6.5)		
Alcohol C-10 (112-30-1)			
Partition coefficient n-octanol/water (Log Pow)	4.5 (at 25 °C (at pH 6)		
Helional (1205-17-0)	4.5 (at 25 °C (at pH 6)		

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isopentyl acetate (123-92-2)		
Partition coefficient n-octanol/water (Log Pow)	2.7 (at 35 °C)	
Benzyl acetate (140-11-4)	<u> </u>	
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)	
Hexyl salicylate (6259-76-3)		
Partition coefficient n-octanol/water (Log Pow)	5.5 (at 30 °C (at pH 7)	
Aldehyde C-6 (66-25-1)		
Partition coefficient n-octanol/water (Log Pow)	2.3 (at 25 °C (at pH 5)	
Citronellol Pure (106-22-9)		
Partition coefficient n-octanol/water (Log Pow)	3.41 (at 25 °C)	
tetrahydro-2-isobutyl-4-methylpyran-4-ol, mix	ed isomers (cis and trans) (63500-71-0)	
Partition coefficient n-octanol/water (Log Pow)	1.65 (at 23 °C (at pH >6.09-<6.74)	
Bis(2-ethylhexyl) adipate (103-23-1)		
BCF - Fish [1]	(27 dimensionless)	
Partition coefficient n-octanol/water (Log Pow)	8.94 (at 25 °C)	
benzyl benzoate (120-51-4)		
Partition coefficient n-octanol/water (Log Pow)	3.97 (at 25 °C)	
Bioaccumulative potential	Not established.	
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylin	ndeno[5,6-c]pyran; galaxolide; (HHCB) (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)	
.alphaPinene (80-56-8)		
Partition coefficient n-octanol/water (Log Pow)	4.1	
Dipropylene glycol monomethyl ether (34590-	-94-8)	
Partition coefficient n-octanol/water (Log Pow)	0.35 (at 25 °C (at pH 7)	
Geraniol (106-24-1)		
Partition coefficient n-octanol/water (Log Pow)	2.6 (at 25 °C)	
citral (5392-40-5)		
Partition coefficient n-octanol/water (Log Pow)	2.76 (at 25 °C)	
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

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12.7. Other adverse effects

Additional information

: Avoid release to the environment.

SECTION 13: Disposal consideration	S
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. HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye. HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

SECTION 14: Transport information

ADR	IMDG	ΙΑΤΑ	ADN	RID
4.1. UN number or ID	number	1		
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shippi	ng name			<u>.</u>
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard	class(es)		-	
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group	·			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental ha	zards			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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

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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 (REACH Annex XVII)

Reference code	Applicable on	Entry title or description	
3(a)	isopentyl acetate ; (R)-p- mentha-1,8-diene; d- limonene ; Aldehyde C-6 ; .betaPinene ; .alpha Pinene	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)	Nerol ; Helional ; (R)-p- mentha-1,8-diene; d- limonene ; Hexyl salicylate ; Citronellol Pure ; tetrahydro-2- isobutyl-4-methylpyran-4- ol, mixed isomers (cis and trans) ; Triplal (Vertocitral) ; Linalool ; benzyl benzoate ; Geraniol ; citral	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)	HIBISCUS AND HEMP CC-16386 25% in DPG ; Alcohol C-10 ; Helional ; Benzyl acetate ; (R)-p- mentha-1,8-diene; d- limonene ; Hexyl salicylate ; Triplal (Vertocitral) ; benzyl benzoate ; 1,3,4,6,7,8- hexahydro-4,6,6,7,8,8- hexamethylindeno[5,6- c]pyran; galaxolide; (HHCB)	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.	isopentyl acetate ; (R)-p- mentha-1,8-diene; d- limonene ; Aldehyde C-6 ; .betaPinene ; .alpha Pinene	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)

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Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit 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

France

Occupational diseases	
Code	Description
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide

Germany

Water hazard class (WGK) Hazardous Incident Ordinance (12. BImSchV)	 WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1). 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	: Triplal (Vertocitral) is listed
SZW-lijst van mutagene stoffen	: Triplal (Vertocitral) is listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	: None of the components are listed
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

SECTION 16: Other informat	tion
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 EUF	I-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

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Full text of H- and EUH-statements:	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
EUH208	Contains Nerol, Helional, (R)-p-mentha-1,8-diene; d-limonene, Hexyl salicylate, Citronellol Pure, Triplal (Vertocitral), Linalool, Geraniol. May produce an allergic reaction.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
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.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
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.