Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Issue date: 10/1/2024



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

: LAVENDER AND VANILLA CC-16435 5% in DPG

- : CC-16435_5%
- : 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
- Use of the substance/mixture 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, 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 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2- naphthalenyl)ethanone, COUMARIN. 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 %

Safety Data Sheet

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

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
benzyl benzoate	CAS-No.: 120-51-4 EC-No.: 204-402-9 EC Index-No.: 607-085-00-9 REACH-no: 01-2119976371- 33	0.45 – 0.899965	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
ACETYL HEXAMETHYL TETRALIN	CAS-No.: 21145-77-7 EC-No.: 244-240-6	0.37 – 0.74497	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2- naphthalenyl)ethanone	CAS-No.: 54464-57-2 EC-No.: 259-174-3 REACH-no: 01-2119489989- 04	0.35 – 0.69997	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 1, H410
COUMARIN	CAS-No.: 91-64-5 EC-No.: 202-086-7 REACH-no: 01-2119943756- 26	0.1100005 – 0.2199905	Acute Tox. 4 (Oral), H302 Skin Sens. 1B, H317
Carbitol substance with national workplace exposure limit(s) (AT, DE, EE, SE, SI, CH)	CAS-No.: 111-90-0 EC-No.: 203-919-7 REACH-no: 01-2119475105- 42	0.0831795 – 0.168160017	Not classified
(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	0.00525 – 0.01293	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
.alphaPinene substance with national workplace exposure limit(s) (BE, EE, ES, LT, PT, SE, NO)	CAS-No.: 80-56-8 EC-No.: 201-291-9	0.0005 – 0.00302	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
.betaPinene substance with national workplace exposure limit(s) (BE, EE, ES, LT, PT, SE, NO)	CAS-No.: 127-91-3 EC-No.: 204-872-5	0.0005 – 0.00255	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 – 0.0025	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
isobutyl acetate substance with national workplace exposure limit(s) (AT, BE, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, NO, CH, TR)	CAS-No.: 110-19-0 EC-No.: 203-745-1 EC Index-No.: 607-026-00-7	0 – 0.00233	Flam. Liq. 2, H225 STOT SE 3, H336

Safety Data Sheet

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

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
dipentene; limonene substance with national workplace exposure limit(s) (EE, LT, SE, NO)	CAS-No.: 138-86-3 EC-No.: 205-341-0	0 – 0.00128	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
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	0.00005 – 0.0005	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 effe	ects, 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 medic	al 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 su	ibstance 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, protec	tive equipment and emergency procedures	
6.1.1. For non-emergency personnel		
Emergency procedures	: Evacuate unnecessary personnel.	

Safety Data Sheet

6.1.2. For emergency responders						
Protective equipment Emergency procedures	: Equip clean : Ventilate ar	• •	oper protection			
6.2. Environmental precautions						
Prevent entry to sewers and public waters. Noti	ify authorities if liquid	enters sewers	or public waters	5.		
6.3. Methods and material for containm	nent and cleaning	ир				
Methods for cleaning up			ids, such as cla y from other ma	•	ous earth as soon	as possible.
6.4. Reference to other sections						
See Section 8. Exposure controls and personal	l protection.					
SECTION 7: Handling and storage						
7.1. Precautions for safe handling						
Precautions for safe handling		d when leaving		•	water before eatir in process area to	• •
7.2. Conditions for safe storage, includ	ling any incompa	ibilities				
torage conditions : Keep only in the original container in a cool, well ventilated place away from : Kee container closed when not in use. acompatible products : Strong bases. Strong acids. acompatible materials : Sources of ignition. Direct sunlight. torage class (LGK, TRGS 510) : LGK 12 - Non-combustible liquids			: Кеер			
Joint storage table	LGK 1	LGK 2A	LGK 2B	LGK 3	LGK 4.1A	
	LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1A	LGK 5.1B	
	LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1B	LGK 6.1C	-
	LGK 6.1D	LGK 6.2	LGK 7	LGK 8A	LGK 8B	_
	LGK 10	LGK 11	LGK 12	LGK 13	LGK 10-13	
Joint storage not permitted for Joint storage with restrictions permitted for Joint storage permitted for	: LGK 2A, LG	-GK 4.3, LGK 5 K 2B, LGK 3, L	GK 4.1B, LGK		LGK 5.1B, LGK 5. 0, LGK 11, LGK 1	
Switzerland	· K 40/40	iquide				
Storage class (LK)	: LK 10/12 - I	-iquius				
7.3. Specific end use(s)						
No additional information available						

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Carbitol (111-90-0)

Austria - Occupational Exposure Limits

10/1/2024 (Issue date)

35 mg/m³

Safety Data Sheet

Carbitol (111-90-0)		
	6 ppm	
MAK (OEL STEL)	140 mg/m ³	
	24 ppm	
Estonia - Occupational Exposure Limits		
OEL TWA	50.1 mg/m ³	
	10 ppm	
OEL chemical category	Skin notation	
Germany - Occupational Exposure Limits (TRGS 9	00)	
AGW (OEL TWA)	35 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)	
	6 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)	
Slovenia - Occupational Exposure Limits		
OEL TWA	35 mg/m ³	
	6 ppm	
OEL STEL	70 mg/m ³	
	12 ppm	
Sweden - Occupational Exposure Limits		
NGV (OEL TWA)	80 mg/m ³	
	15 ppm	
KGV (OEL STEL)	170 mg/m ³	
	30 ppm	
OEL chemical category	Skin notation	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA)	50 mg/m ³ (aerosol, inhalable dust, vapour)	
KZGW (OEL STEL)	100 mg/m ³ (aerosol, inhalable dust, vapour)	
(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/m ³	

Safety Data Sheet

(R)-p-mentha-1,8-diene; d-limonen	e (5989-27-5)
	5 ppm
OEL STEL	112 mg/m ³
	20 ppm
OEL chemical category	Potential for cutaneous absorption
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	168 mg/m ³
	30 ppm
OEL chemical category	Sensitizer, skin - potential for cutaneous absorption
Norway - Occupational Exposure Limit	s '
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 L	imits
MAK (OEL TWA)	40 mg/m ³
	7 ppm
KZGW (OEL STEL)	80 mg/m³
	14 ppm
OEL chemical category	Sensitizer
.alphaPinene (80-56-8)	
Belgium - Occupational Exposure Limi	S
OEL TWA	20 ppm
Estonia - Occupational Exposure Limit	5
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 Lim	its
IPRV (OEL TWA)	150 mg/m³
	25 ppm
TPRV (OEL STEL)	300 mg/m ³
	50 ppm
Portugal - Occupational Exposure Limi	ts
OEL TWA	20 ppm (Turpentine and selected Monoterpenes)
OEL chemical category	Sensitizer dermal, A4 - Not Classifiable as a Human Carcinogen

Safety Data Sheet

.alphaPinene (80-56-8)	
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	113 mg/m ³
	20 ppm
OEL chemical category	Sensitizer
Sweden - Occupational Exposure Limits	
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/m³
	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
.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
	50 ppm
Portugal - Occupational Exposure Limits	
OEL TWA	20 ppm (Turpentine and selected Monoterpenes)
OEL chemical category	Sensitizer dermal, A4 - Not Classifiable as a Human Carcinogen

Safety Data Sheet

Spain - Occupational Exposure Limits VLA-ED (OEL TWA) 113 mg/m³ 20 ppm OEL chemical category Sensitizer	
20 ppm	
OEL chemical category Sensitizer	
Sweden - Occupational Exposure Limits	
NGV (OEL TWA) 150 mg/m ³	
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)	
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	
p-Cymene (99-87-6)	
Denmark - Occupational Exposure Limits	
OEL TWA 135 mg/m ³ (Methylisopropylbenzenes)	
25 ppm (Methylisopropylbenzenes)	
OEL STEL 270 mg/m³ (Methylisopropylbenzenes)	
50 ppm (Methylisopropylbenzenes)	
Estonia - Occupational Exposure Limits	
OEL TWA 140 mg/m ³	
25 ppm	
OEL STEL 190 mg/m ³	
35 ppm	
Latvia - Occupational Exposure Limits	
OEL TWA 10 mg/m ³ (Cymene (2, 3, 4-isomers mixture))	
Lithuania - Occupational Exposure Limits	
IPRV (OEL TWA) 140 mg/m ³	
25 ppm	
TPRV (OEL STEL) 190 mg/m ³	
35 ppm	
Sweden - Occupational Exposure Limits	
NGV (OEL TWA) 140 mg/m ³	
25 ppm	

Safety Data Sheet

p-Cymene (99-87-6)		
KGV (OEL STEL)	190 mg/m ³	
	35 ppm	
citral (5392-40-5)		
Belgium - Occupational Exposure Limits		
OEL TWA	32 mg/m ³ (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	
isobutyl acetate (110-19-0)		
Austria - Occupational Exposure Limits		
MAK (OEL TWA)	241 mg/m ³ (Butyl acetates)	
	50 ppm (Butyl acetates)	
MAK (OEL STEL)	480 mg/m ³ (Butyl acetate)	
	100 ppm (Butyl acetate)	
Belgium - Occupational Exposure Limits		
OEL TWA	238 mg/m ³	
	50 ppm	
OEL STEL	712 mg/m ³	
	150 ppm	
Bulgaria - Occupational Exposure Limits		
OEL TWA	241 mg/m ³	
	50 ppm	
OEL STEL	723 mg/m ³	

Safety Data Sheet

isobutyl acetate (110-19-0)	
	150 ppm
Croatia - Occupational Exposure Limits	
GVI (OEL TWA)	241 mg/m³
	50 ppm
KGVI (OEL STEL)	723 mg/m ³
	150 ppm
Cyprus - Occupational Exposure Limits	
OEL TWA	241 mg/m ³
	50 ppm
OEL STEL	723 mg/m ³
	150 ppm
Czech Republic - Occupational Exposure Lim	its
PEL (OEL TWA)	241 mg/m ³
Denmark - Occupational Exposure Limits	· · ·
OEL TWA	241 mg/m ³ (Butyl acetate, all isomers)
	50 ppm (Butyl acetate, all isomers)
OEL STEL	723 mg/m ³
	150 ppm
Estonia - Occupational Exposure Limits	· ·
OEL TWA	241 mg/m ³
	50 ppm
OEL STEL	723 mg/m ³
	150 ppm
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	240 mg/m ³ (Butyl acetate)
	50 ppm (Butyl acetate)
HTP (OEL STEL)	725 mg/m ³ (Butyl acetate)
	150 ppm (Butyl acetate)
France - Occupational Exposure Limits	
VME (OEL TWA)	241 mg/m ³ (restrictive limit)
	50 ppm (restrictive limit)
VLE (OEL C/STEL)	723 mg/m ³ (restrictive limit)
	150 ppm (restrictive limit)
Germany - Occupational Exposure Limits (TR	GS 900)
AGW (OEL TWA)	300 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
	62 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Greece - Occupational Exposure Limits	
OEL TWA	241 mg/m ³

Safety Data Sheet

isobutyl acetate (110-19-0)		
	50 ppm	
OEL STEL	723 mg/m ³	
	150 ppm	
Hungary - Occupational Exposure Limits		
AK (OEL TWA)	241 mg/m ³	
CK (OEL STEL)	723 mg/m ³	
OEL chemical category	Sensitizer	
Ireland - Occupational Exposure Limits		
OEL TWA	241 mg/m ³	
	50 ppm	
OEL STEL	723 mg/m ³ (calculated)	
	150 ppm (calculated)	
Italy - Occupational Exposure Limits		
OEL TWA	241 mg/m ³	
	50 ppm	
OEL STEL	723 mg/m ³	
	150 ppm	
Latvia - Occupational Exposure Limits		
OEL TWA	241 mg/m ³	
	50 ppm	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	241 mg/m ³	
	50 ppm	
TPRV (OEL STEL)	723 mg/m ³	
	150 ppm	
Luxembourg - Occupational Exposure Limits		
OEL TWA	241 mg/m ³	
	50 ppm	
OEL STEL	723 mg/m ³	
	150 ppm	
Malta - Occupational Exposure Limits		
OEL TWA	241 mg/m ³	
	50 ppm	
OEL STEL	723 mg/m ³	
	150 ppm	
Netherlands - Occupational Exposure Limits		
TGG-8u (OEL TWA)	241 mg/m ³	
	50 ppm	
TGG-15min (OEL STEL)	723 mg/m ³	

Safety Data Sheet

isobutyl acetate (110-19-0)		
	150 ppm	
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	240 mg/m ³	
NDSCh (OEL STEL)	720 mg/m ³	
Portugal - Occupational Exposure Limits		
OEL TWA	241 mg/m ³ (indicative limit value)	
	50 ppm (indicative limit value)	
OEL STEL	723 mg/m ³ (indicative limit value)	
	150 ppm (indicative limit value)	
Romania - Occupational Exposure Limits		
OEL TWA	241 mg/m ³	
	50 ppm	
OEL STEL	723 mg/m ³	
	150 ppm	
Slovakia - Occupational Exposure Limits		
NPHV (OEL TWA)	241 mg/m ³	
	50 ppm	
NPHV (OEL C)	723 mg/m ³	
Slovenia - Occupational Exposure Limits		
OEL TWA	241 mg/m ³	
	50 ppm	
OEL STEL	723 mg/m ³	
	150 ppm	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA)	241 mg/m ³	
	50 ppm	
VLA-EC (OEL STEL)	723 mg/m ³	
	150 ppm	
Sweden - Occupational Exposure Limits		
NGV (OEL TWA)	241 mg/m ³ (Butyl acetates)	
	50 ppm (Butyl acetates)	
KGV (OEL STEL)	723 mg/m ³ (Butyl acetates)	
	150 ppm (Butyl acetates)	
United Kingdom - Occupational Exposure Limit	is a second s	
WEL TWA (OEL TWA)	724 mg/m ³	
	150 ppm	
WEL STEL (OEL STEL)	903 mg/m ³	
	187 ppm	

Safety Data Sheet

isobutyl acetate (110-19-0)	
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	241 mg/m ³
	50 ppm
Korttidsverdi (OEL STEL)	723 mg/m³ (value from the regulation)
	150 ppm (value from the regulation)
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	240 mg/m ³
	50 ppm
KZGW (OEL STEL)	720 mg/m ³
	150 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	50 ppm (Butyl acetates, all isomers)
ACGIH OEL STEL	150 ppm (Butyl acetates, all isomers)
dipentene; limonene (138-86-3)	
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/m ³
	25 ppm
TPRV (OEL STEL)	300 mg/m ³
	50 ppm
OEL chemical category	Sensitizer coniferous resin sensitizes the skin
Sweden - Occupational Exposure Limits	
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/m³ (value calculated)
	37.5 ppm (value calculated)

Safety Data Sheet

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

dipentene; limonene (138-86-3)	
OEL chemical category	Allergenic substance
8.1.2. Recommended monitoring procedures No additional information available	
8.1.3. Air contaminants formed No additional information available	
8.1.4. DNEL and PNEC No additional information available	
8.1.5. Control banding No additional information available	
8.2. Exposure controls	
8.2.1. Appropriate engineering controls	

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection: Chemical goggles or safety glasses

8.2.2.2. Skin protection

Hand protection: Wear protective gloves.

8.2.2.3. Respiratory protection

Respiratory protection: Wear appropriate mask

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Other information:

Do not eat, drink or smoke during use.

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Conforms to standard.
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Non flammable.

Safety Data Sheet

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

Lower explosion limit Upper explosion limit	:	Not available Not available
Flash point	:	> 93 °C
Auto-ignition temperature	:	Not available
Decomposition temperature	:	Not available
рН	:	Not available
Viscosity, kinematic	:	Not available
Solubility	:	Not available
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	Not available
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
LD50 oral rat	> 2000 mg/kg (Source: ECHA_API)
LD50 oral	1160 mg/kg bodyweight
LD50 dermal rabbit	4000 mg/kg (Source: NLM_CIP)

Safety Data Sheet

ACETYL HEXAMETHYL TETRALIN (21145-77-7)			
LD50 oral rat	570 mg/kg (Source: NLM_CIP)		
LD50 oral	1000 mg/kg bodyweight		
LD50 dermal rabbit	> 5 g/kg (Source: NLM_HSDB)		
Carbitol (111-90-0)			
LD50 oral rat	10502 mg/kg (Source: OECD_SIDS)		
LD50 dermal rabbit	9143 mg/kg (Source: OECD_SIDS)		
LC50 Inhalation - Rat	> 5240 mg/m ³ (Exposure time: 4 h Source: NLM_CIP)		
COUMARIN (91-64-5)			
LD50 oral rat	> 5000 mg/kg (Source: JAPAN_GHS)		
LD50 dermal rat	293 mg/kg (Source: ECHA_API)		
(R)-p-mentha-1,8-diene; d-limonene (5989-27-	5)		
LD50 oral rat	4400 mg/kg (Source: CHEMVIEW)		
LD50 dermal rabbit	> 5 g/kg (Source: CHEMVIEW)		
.alphaPinene (80-56-8)			
LD50 oral rat	3700 mg/kg (Source: NLM_CIP)		
LD50 dermal rat	> 5000 mg/kg (Source: CHEMVIEW)		
.betaPinene (127-91-3)	·		
LD50 oral rat	> 5000 mg/kg (Source: EPA_HPV)		
LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)		
p-Cymene (99-87-6)			
LD50 oral rat	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		
citral (5392-40-5)			
LD50 oral rat	4960 mg/kg (Source: NLM_CIP)		
LD50 dermal rabbit	2250 mg/kg (Source: NLM_CIP)		
isobutyl acetate (110-19-0)			
LD50 oral rat	15400 mg/kg (Source: JAPAN_GHS)		
LD50 dermal rabbit	> 17400 mg/kg (Source: NLM_CIP)		
dipentene; limonene (138-86-3)	dipentene; limonene (138-86-3)		
LD50 oral rat	5300 mg/kg (Source: NLM_CIP)		
Additional information:Serious eye damage/irritation:Additional information:Respiratory or skin sensitisation:	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		

Safety Data Sheet

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

according to Regulation (EC) No. 1907/2006 (REACH) with its		
Germ cell mutagenicity:Additional information:Carcinogenicity:Additional information:	Not classified Based on available data, the classification criteria are not met Not classified Based on available data, the classification criteria are not met	
COUMARIN (91-64-5)		
IARC group	3 - Not classifiable	
(R)-p-mentha-1,8-diene; d-limonene (5989-27	-5)	
IARC group	3 - Not classifiable	
Reproductive toxicity:Additional information:STOT-single exposure:Additional information:	Not classified Based on available data, the classification criteria are not met Not classified Based on available data, the classification criteria are not met	
isobutyl acetate (110-19-0)		
STOT-single exposure	May cause drowsiness or dizziness.	
STOT-repeated exposure:Additional information:Aspiration hazard:Additional information:	Not classified Based on available data, the classification criteria are not met Not classified Based on available data, the classification criteria are not met	
benzyl benzoate (120-51-4)		
Viscosity, kinematic	7.456 mm ² /s	
(R)-p-mentha-1,8-diene; d-limonene (5989-27	-5)	
Hydrocarbon	Yes	
.alphaPinene (80-56-8)		
Hydrocarbon	Yes	
.betaPinene (127-91-3)		
Hydrocarbon	Yes	
p-Cymene (99-87-6)		
Hydrocarbon	Yes	
dipentene; limonene (138-86-3)		
Hydrocarbon	Yes	
11.2. Information on other hazards		
11.2.1. Endocrine disrupting properties		
No additional information available		

No additional information available

11.2.2. Other information

symptoms

Potential adverse human health effects and : Based on available data, the classification criteria are not met

SECTION 12: Ecological information	
12.1. Toxicity	
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.

Safety Data Sheet

LC50 - Fish [1] 2.32 mgA (Exposure time: 96 h - Species: Dano reno (semi-static) Source: ECHA) NOEC (knnich) 0.198 mgA Carbitol (111-90-0) 10000 mgA (Exposure time: 96 h - Species: Lepornis macrochinus [taxic] Source: EPA) LC50 - Fish [2] 19100 - 23000 mgA (Exposure time: 96 h - Species: Lepornis macrochinus [taxic] Source: EPA) EC50 - Crustaces [1] 3940 - 6670 mgA (Exposure time: 96 h - Species: Lepornis macrochinus [tavic] Source: EPA) LC50 - Fish [2] 30 mgA (Exposure time: 96 h - Species: Dimophales promeles [tow-through] Source: EPA) LC50 - Fish [1] 0.619 - 0.756 mg1 (Exposure time: 96 h - Species: Dimophales promeles [tow-through] Source: EPA) LC50 - Fish [2] 35 mg1 (Exposure time: 96 h - Species: Dimophales promeles [tow-through] Source: EPA) LC50 - Fish [2] 0.28 mgA (Exposure time: 46 h - Species: Dimophales promeles [tow-through] Source: EPA) LC50 - Fish [1] 0.28 mgA (Exposure time: 46 h - Species: Daphnia mgna) Christ (332-40-5) 2 EC50 - Crustaces [1] 1 mg1 (Exposure time: 46 h - Species: Daphnia mgna) EC50 - Crustaces [1] 1 mg1 (Species: Desmodesmus subspicatus) EC50 - Soutaces [1] 1 mg1 (Species: Desmodesmus subspicatus) EC50 - Fish [1] 1 mg1 (Species: Desmodesmus subspicatus) EC50 - Fish [1] 1 mg1 (Species: Desmodesmus subspicatus) EC50 - Fish [1] 1 mg1 (Species: Desmodesmus subspicatus) EC50 - Fish	benzyl benzoate (120-51-4)		
Carbitol (111-90-0) Control (111-90-0) LC50 - Fish [1] 1000 mg1 (Exposure time: 96 h - Species: Lepomis macrochirus [Itsuit] Source: EPA) LC50 - Fish [2] 1910 - 2390 mg1 (Exposure time: 46 h - Species: Depmis macrochirus [Itsuit] Source: EPA) EC50 - Crustacea [1] 3840 - 4670 mg1 (Exposure time: 96 h - Species: Depmis macrochirus [Itsuit] Source: EPA) Source: EPA) IC50 - Fish [2] 3640 - 470 mg1 (Exposure time: 96 h - Species: Dephnia magna) (R)-p-mentha-1,8-diene; d-Himonene (5989-27-5) IC50 - Fish [2] LC50 - Fish [2] 35 mg1 (Exposure time: 96 h - Species: Dephnia magna) LC50 - Fish [2] 35 mg1 (Exposure time: 96 h - Species: Oncorhynchus mykies Source: IUCLID) EC50 - Crustacea [1] 0.28 mg1 (Exposure time: 96 h - Species: Dephnia magna) Citral (5324-0-5) EC50 - Crustacea [1] 7 mg1 (Exposure time: 48 h - Species: Dephnia magna) EC50 - Crustacea [1] 7 mg1 (Exposure time: 48 h - Species: Dephnia magna) EC50 - Sci	LC50 - Fish [1]	2.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)	
LC50 - Fish [1] 10000 mg1 (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA) LC50 - Fish [2] 19100 - 23900 mg1 (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA) EC50 - Crustacea [1] 3940 - 4670 mg1 (Exposure time: 96 h - Species: Daphnia magna) (R)-p-mentha-1,8-diene; d-iimonene (5989-27-5) 0.500 mg1 (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA) LC50 - Fish [2] 35 mg1 (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA) LC50 - Fish [2] 35 mg1 (Exposure time: 96 h - Species: Denphales promelas [static] Source: IUCLID) EC50 - Crustacea [1] 0.28 mg1 (Exposure time: 96 h - Species: Denphales promelas [static] Source: IUCLID) EC50 - Crustacea [1] 1 mg1 (Exposure time: 48 h - Species: Denphales promelas [static] Source: IUCLID) EC50 - Crustacea [1] 1 mg1 (Exposure time: 48 h - Species: Denphales magna) Citral (532-40-5) 1 EC50 - Crustacea [1] 1 mg1 (Exposure time: 48 h - Species: Denphale magna) EC50 - Crustacea [1] 1 mg1 (Species: Desmodesmus subspicatus) EC50 - Fish [1] 1 mg1 (Species: Desmodesmus subspicatus) EC50 - Fish [1] 1 mg1 (Species: Desmodesmus subspicatus) EC50 - Fish [1] 1 mg1 (Species: Desmodesmus subspicatus) EC50	NOEC (chronic)	0.168 mg/l	
LC50 - Fish [2] 19100 - 23900 mg1 (Exposure time: 96 h - Species: Daphnia magna) LC50 - Crustacca [1] 3940 - 4670 mg1 (Exposure time: 48 h - Species: Daphnia magna) (R)-pr-mentha-1,8-diene; d-timonene (5989-27-5) LC50 - Fish [2] 0.519 - 0.736 mg1 (Exposure time: 96 h - Species: Prinephales promelas [flow-through] Source: EPA) LC50 - Fish [2] 35 mg1 (Exposure time: 96 h - Species: Prinephales promelas [flow-through] Source: EPA) LC50 - Fish [2] 35 mg1 (Exposure time: 96 h - Species: Disphnia magna) LC50 - Fish [2] 36 mg1 (Exposure time: 96 h - Species: Disphnia magna) LC50 - Fish [2] 0.28 mg1 (Exposure time: 96 h - Species: Disphnia magna) Cl50 - Crustacca [1] 14 mg1 (Exposure time: 48 h - Species: Disphnia magna) Cl50 - Crustacca [1] 7 mg1 (Exposure time: 48 h - Species: Disphnia magna) Cl50 - Crustacca [1] 7 mg1 (Exposure time: 48 h - Species: Disphnia magna) Cl50 - Crustacca [1] 17 mg1 (Exposure time: 48 h - Species: Disphnia magna) EC50 - Crustacca [1] 17 mg1 (Exposure time: 96 h - Species: Disphnia magna) EC50 - Fish [1] 17 mg1 (Exposure time: 96 h - Species: Oryzins latipes Source: ECHA) ISobutyl acetate (110-19-0) 17 mg1 (Exposure time: 96 h - Species: Oryzins latipes Source: ECHA) ISO - Fish [1] 17 mg1 (Exposure time: 96 h - Species: Oryzins latipes Source: ECHA) ISO - Fish [1] 17 mg1 (Exposure time: 96 h - Species: Oryzins latipes Source: ECHA	Carbitol (111-90-0)		
Source: EPA) ECG0 - Crustacea [1] 3840 - 4670 mg/l (Exposure time: 48 h - Spacies: Daphnia magna) (R)-p-mentha-1,8-diene; d-limonen (5989-27-> LCG0 - Fish [1] 0.519 - 0.796 mg/l (Exposure time: 96 h - Species: Primephales promelas [flow-through] Source: EPA) Strue: EPA) LC50 - Fish [2] 35 mg/l (Exposure time: 96 h - Species: Oncontynchus mykiss Source: EPA) .alpha-Prinene (80-56-8) 28 mg/l (Exposure time: 96 h - Species: Dephnia magna) Cl50 - Fish [1] 0.28 mg/l (Exposure time: 96 h - Species: Dephnia magna) cltral (5392-40-5) ECG0 - Crustacea [1] 1 mg/l (Exposure time: 48 h - Species: Dephnia magna) ECG0 - Crustacea [1] 1 mg/l (Species: Desmodesmus subspicatus) ECG0 PABaa [1] ECG0 - Species: Daphnia magna) ECG0 PABaa [1] 19 mg/l (Species: Desmodesmus subspicatus) ECG0 - Species: Daphnia magna) ECG0 PABaa [1] 19 mg/l (Exposure time: 96 h - Species: Onyzias latipes Source: ECHA) ECG0 - Species: Daphnia magna) 10 mg/l (Exposure time: 96 h - Species: Onyzias latipes Source: ECHA) ECG0 - Species: Daphnia magna) ECG0 PABaa [1] 19 mg/l (Exposure time: 96 h - Species: Onyzias latipes Source: ECHA) ECG0 - Species: Daphnia magna) ECG0 PABaa [1] 10 mg/l (Exposure time: 96 h - Species: On	LC50 - Fish [1]	10000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)	
(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) .alphaPinene (80-56-8)	LC50 - Fish [2]		
LC50 - Fish [1] 0.619 - 0.796 mg/l (Exposure time: 96 h - Species: Primephales promelas [flow-through] Source: EPA) LC50 - Fish [2] 35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA) .alphaPinene (80-56-8) LC50 - Fish [1] 0.28 mg/l (Exposure time: 96 h - Species: Daphnia magna) citral (5392-40-5) EC50 - Crustacea [1] 41 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) C50 - Fish [1] 16 mg/l (Species: Desmodesmus subspicatus) EC50 - Crustacea [1] 19 mg/l (Species: Desmodesmus subspicatus) EC50 - Fish [1] 19 mg/l (Species: Desmodesmus subspicatus) isoburyl acetate (10-19-0) LC50 - Fish [1] 17 mg/l (Exposure time: 96 h - Species: Oryzias latipes Source: ECHA) 12.2. Persistence and degradability Not established. benzyl benzoate (120-51-4) Persistence and degradability Persistence and degradability May cause long-term adverse effects in the environment. ACETY HEXAMETHYL TETRALIN (21145-777) Persistence and degradability Rapidy degradable Carbitol (11-90-0) Persistence and degradability Rapidy degradable COUMARIN (91-64-5) Persistence and degradability Rapidy degradable COUMARIN (91-64-	EC50 - Crustacea [1]	3940 – 4670 mg/l (Exposure time: 48 h - Species: Daphnia magna)	
Source: EPA) Source: EPA) LC50 - Fish [2] 35 mg/l (Exposure time: 96 h - Species: Oncorhynchus my/kiss Source: EPA) .alpha-Pinene (80-56-8) LC50 - Fish [1] 0.28 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: IUCLID) EC50 - Fish [1] 0.28 mg/l (Exposure time: 48 h - Species: Daphnia magna) cltral (3392-40-5) Citral (5392-40-5) T mg/l (Exposure time: 48 h - Species: Daphnia magna) cltral (5392-40-5) EC50 - Fish [1] 16 mg/l (Species: Desmodesmus subspicatus) cltral (5392-40-5) EC50 9Fish Algae [1] 19 mg/l (Species: Desmodesmus subspicatus) cltral (550 effich Algae [1] EC50 9Fish Algae [1] 17 mg/l (Exposure time: 96 h - Species: Oryzias latipes Source: ECHA) cltral (520 effich Algae [1] LC50 - Fish [1] 17 mg/l (Exposure time: 96 h - Species: Oryzias latipes Source: ECHA) cltral (520 effich [1] L22. Persistence and degradability Not established. cltral (520 effich [1] LAVENDER AND VANILLA CC-16435 5% in DPC Persistence and degradability May cause long-term adverse effects in the environment. ACETYL HEXAMETHYL TETRALIN (21145-77) Persistence and degradability Rapidly degradable Citral (11-90-0) Carbitol (111-90-0) Rapidly degradable <td>(R)-p-mentha-1,8-diene; d-limonene (5989-27-</td> <td>5)</td>	(R)-p-mentha-1,8-diene; d-limonene (5989-27-	5)	
alpha-Pinene (80-56-8) LC50 - Fish [1] 0.28 mg/l (Exposure time: 96 h - Species: Disphales promelas (static) Source: IUCLID) EC50 - Crustacea [1] 41 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 - Crustacea [1] 16 mg/l (Species: Desmodesmus subspicatus) EC50 98h - Algae [1] 19 mg/l (Species: Desmodesmus subspicatus) isobutyl acetate (110-19-0) LC50 - Fish [1] 17 mg/l (Exposure time: 96 h - Species: Oryzias latipes Source: ECHA) 12.2. Persistence and degradability It mg/l (Exposure time: 96 h - Species: Oryzias latipes Source: ECHA) 12.2. Persistence and degradability Not established. benzyl benzoate (120-51-4) Persistence and degradability Persistence and degradability May cause long-term adverse effects in the environment. ACETYL HEXAMETHYL TETRALIN (21145-777) Persistence and degradability Persistence and degradability Rapidly degradable Carbitol (111-90-0) Rapidly degradable Carbitol (111-90-0) Rapidly degradable COUMARIN (91-64-5) Rapidly degradable Persistence and degradability Rapidly degradable CUMARIN (91-64-5) Persistence and degradability </td <td>LC50 - Fish [1]</td> <td></td>	LC50 - Fish [1]		
LCS0 - Fish [1] 0.28 mg/l (Exposure time: 96 h - Species: Daphnia magna) ECS0 - Crustacea [1] 41 mg/l (Exposure time: 48 h - Species: Daphnia magna) citral (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 - Strip - Algae [1] 19 mg/l (Exposure time: 96 h - Species: Oryzias latipes Source: ECHA) Isobutyl acetate (110-19-0) ICS0 - Fish [1] 17 mg/l (Exposure time: 96 h - Species: Oryzias latipes Source: ECHA) 12.2. Persistence and degradability I7 mg/l (Exposure time: 96 h - Species: Oryzias latipes Source: ECHA) Persistence and degradability Not established. benzyl benzoate (120-51-4) Persistence and degradability Persistence and degradability May cause long-term adverse effects in the environment. ACETYL HEXAMETYL TETRALIN (21145-77-7) Persistence and degradability Persistence and degradability Rapidly degradable Carbitol (111-90-0) Rapidly degradable Carbitol (111-90-0) Persistence and degradability Persistence and degradability Rapidly degradable COUMARIN (91-64-5) Persistence and degradab	LC50 - Fish [2]	35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)	
EC50 - Crustacea [1] 41 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 - Crustacea [1] 16 mg/l (Species: Desmodesmus subspicatus) EC50 - Grustacea [1] 19 mg/l (Species: Desmodesmus subspicatus) EC50 - Fish [1] 19 mg/l (Species: Desmodesmus subspicatus) Isobutyl acetate (110-19-0) LC50 - Fish [1] LC50 - Fish [1] 17 mg/l (Exposure time: 96 h - Species: Oryzias latipes Source: ECHA) 12.2. Persistence and degradability 17 mg/l (Exposure time: 96 h - Species: Oryzias latipes Source: ECHA) 12.2. Persistence and degradability Not established. Persistence and degradability Not established. benzyl benzoate (120-51-4) Persistence and degradability Persistence and degradability May cause long-term adverse effects in the environment. ACETYL HEXAMETHYL TETRALIN (21145-77-7) Persistence and degradability Rapidly degradable 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethy-2-naphthalenyl)ethanone (54464-57-2) Persistence and degradability Rapidly degradable Carbitol (111-90-0) Rapidly degradable COUMARIN (91-64-5) Persistence and degradability R	.alphaPinene (80-56-8)		
citral (5392-40-5) 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) Isobutyl acetate (110-19-0) Itomg/l (Exposure time: 96 h - Species: Oryzias latipes Source: ECHA) 12.2. Persistence and degradability 17 mg/l (Exposure time: 96 h - Species: Oryzias latipes Source: ECHA) 12.2. Persistence and degradability Not established. Denzyl benzoate (120-51-4) Persistence and degradability Persistence and degradability May cause long-term adverse effects in the environment. ACETYL HEXAMETHYL TETRALIN (21145-77-7) Persistence and degradability Persistence and degradability Rapidly degradable 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (54464-57-2) Persistence and degradability Rapidly degradable Carbitol (111-90-0) Rapidly degradable Coumarine (91-64-5) 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 (R)-p-mentee (80-56-8) Persistence and degradability	LC50 - Fish [1]	0.28 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: IUCLID)	
EC50 · Crustacea [1] 7 mg/l (Exposure time: 48 h - Species: Daphnia magna) EC50 · 2h - Algae [1] 16 mg/l (Species: Desmodesmus subspicatus) EC50 96h - Algae [1] 19 mg/l (Species: Desmodesmus subspicatus) isobutyl acetate (110-19-0) IC50 - Fish [1] IC50 - Fish [1] 17 mg/l (Exposure time: 96 h - Species: Oryzias latipes Source: ECHA) 12.2. Persistence and degradability It mg/l (Exposure time: 96 h - Species: Oryzias latipes Source: ECHA) I2.2. Persistence and degradability Not established. Persistence and degradability Not established. Denzyl benzoate (120-51-4) May cause long-term adverse effects in the environment. ACETYL HEXAMETHYL TETRALIN (21145-777) Persistence and degradability Persistence and degradability Rapidly degradable 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (54464-57-2) Persistence and degradability Rapidly degradable Carbitol (111-90-0) Rapidly degradable COUMARIN (91-64-5) Persistence and degradability Persistence and degradability Rapidly degradable COUMARIN (91-64-5) Persistence and degradability Persistence and degradability Rapidly degradable Coumarue (60-56-6) Per	EC50 - Crustacea [1]	41 mg/l (Exposure time: 48 h - Species: Daphnia magna)	
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Persistence and degradability Rapidly degradable Carbitol (111-90-0) Rapidly degradable Persistence and degradability Rapidly degradable COUMARIN (91-64-5) 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 (alphaPinene (80-56-8) Image: Counce (Counce (Persistence and degradability	Rapidly degradable	
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COUMARIN (91-64-5) Persistence and degradability Rapidly degradable (R)-p-mentha-1,8-diene; d-limonene (5989-27-5) Persistence and degradability Rapidly degradable .alphaPinene (80-56-8)	Carbitol (111-90-0)		
Persistence and degradability Rapidly degradable (R)-p-mentha-1,8-diene; d-limonene (5989-27-5) Persistence and degradability Persistence and degradability Rapidly degradable .alphaPinene (80-56-8)	Persistence and degradability	Rapidly degradable	
(R)-p-mentha-1,8-diene; d-limonene (5989-27-5) Persistence and degradability Rapidly degradable .alphaPinene (80-56-8)	COUMARIN (91-64-5)		
Persistence and degradability Rapidly degradable .alphaPinene (80-56-8)	Persistence and degradability	Rapidly degradable	
.alphaPinene (80-56-8)	(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)		
	Persistence and degradability	Rapidly degradable	
Persistence and degradability Rapidly degradable	.alphaPinene (80-56-8)		
	Persistence and degradability	Rapidly degradable	

Safety Data Sheet

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

.betaPinene (127-91-3)		
Persistence and degradability	Rapidly degradable	
p-Cymene (99-87-6)		
Persistence and degradability	Rapidly degradable	
citral (5392-40-5)		
Persistence and degradability	Rapidly degradable	
isobutyl acetate (110-19-0)		
Persistence and degradability	Rapidly degradable	
dipentene; limonene (138-86-3)		
Persistence and degradability	Rapidly degradable	
12.3. Bioaccumulative potential		
LAVENDER AND VANILLA CC-16435 5% in DF	PG	
Bioaccumulative potential	Not established.	
benzyl benzoate (120-51-4)		
Partition coefficient n-octanol/water (Log Pow)	3.97 (at 25 °C)	
Bioaccumulative potential	Not established.	
ACETYL HEXAMETHYL TETRALIN (21145-77-	7)	
Partition coefficient n-octanol/water (Log Pow)	5.7 (at 24 °C)	
Carbitol (111-90-0)		
Partition coefficient n-octanol/water (Log Pow)	-0.8	
(R)-p-mentha-1,8-diene; d-limonene (5989-27-	5)	
Partition coefficient n-octanol/water (Log Pow)	4.38 (at 37 °C (at pH 7.2)	
.alphaPinene (80-56-8)		
Partition coefficient n-octanol/water (Log Pow)	4.1	
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	
citral (5392-40-5)		
Partition coefficient n-octanol/water (Log Pow)	2.76 (at 25 °C)	
isobutyl acetate (110-19-0)		
BCF - Fish [1]	(no significant bioconcentration)	
Partition coefficient n-octanol/water (Log Pow)	2.3 (at 25 °C (at pH 7)	
12.4 Mobility in soil		

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

Safety Data Sheet

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

12.6. Endocrine disrupting properties	
No additional information available	
12.7. Other adverse effects	
Additional information	: Avoid release to the environment.
SECTION 13: Disposal considerations	
13.1. Waste treatment methods	

Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecological information	: Avoid release to the environment.
HP Code	: 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 I	number	·	· ·	
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shippir	ng name	· · ·	· ·	
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

Safety Data Sheet

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

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(c)	LAVENDER AND VANILLA CC-16435 5% in DPG ; benzyl benzoate ; 1-(1,2,3,4,5,6,7,8- Octahydro-2,3,8,8- tetramethyl-2- naphthalenyl)ethanone ; (R)-p-mentha-1,8-diene; d-limonene ; .alpha Pinene ; p-Cymene ; dipentene; limonene	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
3(b)	benzyl benzoate ; 1- (1,2,3,4,5,6,7,8- Octahydro-2,3,8,8- tetramethyl-2- naphthalenyl)ethanone ; (R)-p-mentha-1,8-diene; d-limonene ; .alpha Pinene ; p-Cymene ; citral ; isobutyl acetate ; dipentene; limonene	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(a)	(R)-p-mentha-1,8-diene; d-limonene ; .alpha Pinene ; .betaPinene ; p- Cymene ; isobutyl acetate ; dipentene; limonene	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
40.	(R)-p-mentha-1,8-diene; d-limonene ; .alpha Pinene ; .betaPinene ; p- Cymene ; isobutyl acetate ; dipentene; limonene	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

REACH Annex XIV (Authorisation List)

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

REACH Candidate List (SVHC)

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

PIC Regulation (Prior Informed Consent)

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

POP Regulation (Persistent Organic Pollutants)

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

Ozone Regulation (1005/2009)

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

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

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

Explosives Precursors Regulation (2019/1148)

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

Safety Data Sheet

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

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) List of sensitizing substance Hazardous Incident Ordinan	· · ·	 WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1). Contains sensitizing substances according TRGS 907. Is not subject to 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 kankerverwek	kende stoffen	: None of the components are listed
SZW-lijst van mutagene stof		: None of the components are listed
SZW-lijst van reprotoxische	0	: None of the components are listed
SZW-lijst van reprotoxische Vruchtbaarheid	stoffen –	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling		: None of the components are listed
Denmark	etenen ettening	
Classification remarks		: Emergency management guidelines for the storage of flammable liquids must be followed
Danish National Regulations	5	 Emergency management guidelines for the storage of nammable inquids must be followed Pregnant/breastfeeding women working with the product must not be in direct contact with the product
15.2. Chemical safety a	ssessment	

No chemical safety assessment has been carried out

SECTION 16: Other i	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	I-statements:
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3

(Innalation:dust,mist)	
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

Safety Data Sheet

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

Full text of H- and	I EUH-statements:
Asp. Tox. 1	Aspiration hazard, Category 1
EUH208	Contains 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone, COUMARIN. May produce an allergic reaction.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H336	May cause drowsiness or dizziness.
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
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

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.