## 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 : Mixture

Product name : NEON MELON CC-16351 5% in DPG

Product code : EU55623F\_5%

Type of product : Perfumes, Fragrances

Product group : Trade product

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

#### 1.2.1. Relevant identified uses

Main use category : Professional use,Industrial use

Industrial/Professional use spec : Industrial

For professional use only
: Perfumes, Fragrances

Function or use category : Odour agents

#### 1.2.2. Uses advised against

Use of the substance/mixture

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

Emergency number : 1-800-255-3924; +01-813-248-0585; China:+400-120-0751; Mexico:+01-800-099-0731;

Brazil: +0-800-591-6042; India: +000-800-100-4086

## **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

Harmful to aquatic life with long lasting effects.

## 2.2. Label elements

#### Labeling 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 phrases : EUH208 - Contains (R)-p-mentha-1,8-diene, d-limonene, Hexyl cinnamic aldehyde, Linalool.

May produce an allergic reaction.

Extra phrases : Restricted to professional users.

## 2.3. Other hazards

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

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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 is 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 %

## **SECTION 3: Composition/Information on ingredients**

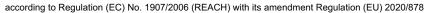
## 3.1. Substances

Not applicable

## 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
(R)-p-mentha-1,8-diene, d-limonene substance with national workplace exposure limit(s) (DE, ES, FI, SI, NO, CH)	CAS-No.: 5989-27-5 EC-No.: 205-341-0 EC Index-No.: 601-096-00-2 REACH-no: 01-2119493353-	0.145 – 0.2855	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 cinnamic aldehyde	CAS-No.: 101-86-0 EC-No.: 202-983-3 REACH-no: 01-2119533092- 50	0.095 – 0.1905	Skin Sens. 1, H317 Aquatic Chronic 2, H411
Allyl heptanoate	CAS-No.: 142-19-8 EC-No.: 205-527-1 REACH-no: 01-2119488961- 23	0.075 – 0.1525	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
Linalool	CAS-No.: 78-70-6 EC-No.: 201-134-4 EC Index-No.: 603-235-00-2 REACH-no: 01-2119474016-	0.065 – 0.1335	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, 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 – 0.095	Aquatic Chronic 3, H412
benzyl alcohol substance with national workplace exposure limit(s) (BG, CZ, DE, FI, LT, LV, PL, SI, CH)	CAS-No.: 100-51-6 EC-No.: 202-859-9 EC Index-No.: 603-057-00-5 REACH-no: 01-2119492630-38	0.05 – 0.095	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319
OXACYCLOHEPTADEC-10-EN-2-ONE	CAS-No.: 28645-51-4 EC-No.: 249-120-7	0.03 – 0.064515	Aquatic Chronic 1, H410 (M=10) Aquatic Acute 1, H400 (M=10)
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, 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	0.02 – 0.038	Flam. Liq. 3, H226

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
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	0.02 – 0.038	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
.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	0.005 – 0.0115	Flam. Liq. 3, H226
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 – 0.000215	Aquatic Chronic 3, H412
Aldehyde C-6 substance with national workplace exposure limit(s) (FI, PL)	CAS-No.: 66-25-1 EC-No.: 200-624-5	0 – 0.000055	Flam. Liq. 3, H226
Caproic acid substance with national workplace exposure limit(s) (BG, LT, LV)  Full text of H- and ELIH-statements: see section 16	CAS-No.: 142-62-1 EC-No.: 205-550-7	0 – 0.000005	Eye Dam. 1, H318 Skin Corr. 1C, H314

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 : Remove person to fresh air and keep comfortable for breathing. 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. Wash skin with plenty of water.

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

persists. Rinse eyes with water as a precaution.

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

center/doctor/physician if you feel unwell.

## 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

Treat symptomatically.

## **SECTION 5: Firefighting measures**

## 5.1. Extinguishing media

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

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

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

Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 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 environment.

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Protection during firefighting

: Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew

with proper protection. For further information refer to section 8: "Exposure

controls/personal protection".

Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Avoid release to the environment. 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 : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or

diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

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

## 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. 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

vapor.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the

product.

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

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

container closed when not in use. Store in a well-ventilated place. Keep cool.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

Storage temperature : 25 °

Storage area : Store in a well-ventilated place. Store away from heat.

Special rules on packaging : Store in a closed container.
Packaging materials : Do not store in corrodable metal.

#### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

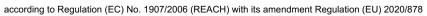
## 8.1.1 National occupational exposure and biological limit values

11/29/2023 (Issue date) EN (English US) 4/22



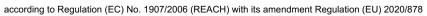


nland - Occupational Exposure Limits		
TP (OEL TWA) [1] 14	40 mg/m³	
TP (OEL TWA) [2] 25	25 ppm	
TP (OEL STEL) 28	<sup>180</sup> mg/m³	
FP (OEL STEL) [ppm] 50	0 ppm	
ermany - Occupational Exposure Limits (TRGS 900)		
	28 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and 3GW values are observed)	
	ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW ralues are observed)	
nemical category sk	kin notation, Skin sensitization	
ovenia - Occupational Exposure Limits		
EL TWA 28	18 mg/m³	
EL TWA 5	ppm	
EL STEL 11	12 mg/m³	
EL STEL 20	.0 ppm	
EL chemical category Po	otential for cutaneous absorption	
pain - Occupational Exposure Limits		
A-ED (OEL TWA) [1]	68 mg/m³	
A-ED (OEL TWA) [2] 30	0 ppm	
EL chemical category Se	Sensitizer, skin - potential for cutaneous absorption	
Norway - Occupational Exposure Limits		
renseverdi (OEL TWA) [1]	40 mg/m³	
renseverdi (OEL TWA) [2]	15 ppm	
orttidsverdi (OEL STEL)	75 mg/m³ (value calculated)	
orttidsverdi (OEL STEL) [ppm] 37	7.5 ppm (value calculated)	
EL chemical category Al	Allergenic substance	
vitzerland - Occupational Exposure Limits		
AK (OEL TWA) [1] 40	0 mg/m³	
AK (OEL TWA) [2] 7	ppm	
ZGW (OEL STEL) 80	0 mg/m³	
ZGW (OEL STEL) [ppm] 14	4 ppm	
EL chemical category Se	Sensitizer	
Benzyl acetate (140-11-4)		
elgium - Occupational Exposure Limits		
EL TWA 62	i2 mg/m³	
EL TWA 10	0 ppm	
enmark - Occupational Exposure Limits		
EL TWA [1] 6 <sup>-</sup>	1 mg/m³	



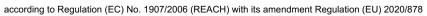


Benzyl acetate (140-11-4)		
OEL TWA [2]	10 ppm	
OEL STEL	122 mg/m³	
OEL STEL	20 ppm	
Ireland - Occupational Exposure Limits		
OEL TWA [2]	10 ppm	
OEL STEL	30 ppm (calculated)	
Latvia - Occupational Exposure Limits		
OEL TWA	5 mg/m³	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	5 mg/m³	
Portugal - 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	
OEL TWA	8 ppm	
OEL STEL	80 mg/m³	
OEL STEL	13 ppm	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA) [1]	62 mg/m³	
VLA-ED (OEL TWA) [2]	10 ppm	
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA [ppm]	10 ppm	
ACGIH chemical category	Not Classifiable as a Human Carcinogen	
benzyl alcohol (100-51-6)		
Bulgaria - Occupational Exposure Limits		
OEL TWA	5 mg/m³	
Czech Republic - Occupational Exposure Limits		
PEL (OEL TWA)	40 mg/m³	
Finland - Occupational Exposure Limits		
HTP (OEL TWA) [1]	45 mg/m³	
HTP (OEL TWA) [2]	10 ppm	
Germany - Occupational Exposure Limits (TRGS 900)		
AGW (OEL TWA) [1]	22 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)	
AGW (OEL TWA) [2]	5 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)	
Chemical category	skin notation	



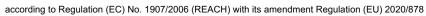


benzyl alcohol (100-51-6)		
Latvia - Occupational Exposure Limits		
OEL TWA	5 mg/m³	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	5 mg/m³	
OEL chemical category	skin notation	
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	240 mg/m³	
Slovenia - Occupational Exposure Limits		
OEL TWA	22 mg/m³	
OEL TWA	5 ppm	
OEL STEL	44 mg/m³	
OEL STEL	10 ppm	
OEL chemical category	Potential for cutaneous absorption	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA) [1]	22 mg/m³ (aerosol, vapour)	
MAK (OEL TWA) [2]	5 ppm (aerosol, vapour)	
OEL chemical category	skin notation	
isopentyl acetate (123-92-2)		
EU - Indicative Occupational Exposure Limit (IOEL)		
IOEL TWA	270 mg/m³	
IOEL TWA [ppm]	50 ppm	
IOEL STEL	540 mg/m³	
IOEL STEL [ppm]	100 ppm	
Austria - Occupational Exposure Limits		
MAK (OEL TWA)	270 mg/m³ (Pentyl acetate (all isomers))	
MAK (OEL TWA) [ppm]	50 ppm (Pentyl acetate (all isomers))	
MAK (OEL STEL)	540 mg/m³ (Pentylacetate)	
MAK (OEL STEL) [ppm]	100 ppm (Pentylacetate)	
Belgium - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
OEL TWA	50 ppm	
OEL STEL	540 mg/m³	
OEL STEL	100 ppm	
Bulgaria - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
OEL TWA	50 ppm	
OEL STEL	540 mg/m³	
OEL STEL	100 ppm	





Croatia - Occupational Exposure Limits		
2VL (OEL TWA) [1]		
GVI (OEL TWA) [1]	270 mg/m³	
GVI (OEL TWA) [2]	50 ppm	
KGVI (OEL STEL)	540 mg/m³	
KGVI (OEL STEL) [ppm]	100 ppm	
Cyprus - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
OEL TWA	50 ppm	
OEL STEL	540 mg/m³	
OEL STEL	100 ppm	
Denmark - Occupational Exposure Limits		
OEL TWA [1]	271 mg/m³ (Amyl acetate, all isomers)	
OEL TWA [2]	50 ppm (Amyl acetate, all isomers)	
OEL STEL	540 mg/m³	
OEL STEL	100 ppm	
Estonia - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
OEL TWA	50 ppm	
OEL STEL	540 mg/m³	
OEL STEL	100 ppm	
Finland - Occupational Exposure Limits		
HTP (OEL TWA) [1]	270 mg/m³ (Pentyl acetate)	
HTP (OEL TWA) [2]	50 ppm (Pentyl acetate)	
HTP (OEL STEL)	540 mg/m³	
HTP (OEL STEL) [ppm]	100 ppm	
France - Occupational Exposure Limits		
VME (OEL TWA)	270 mg/m³ (restrictive limit)	
VME (OEL TWA) [ppm]	50 ppm (restrictive limit)	
VLE (OEL C/STEL)	540 mg/m³ (restrictive limit)	
VLE (OEL C/STEL) [ppm]	100 ppm (restrictive limit)	
Germany - Occupational Exposure Limits (TRGS 900)		
AGW (OEL TWA) [1]	270 mg/m³	
AGW (OEL TWA) [2]	50 ppm	
Gibraltar - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
OEL TWA	50 ppm	
OEL STEL	540 mg/m³	
OEL STEL	100 ppm	



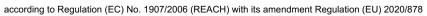


isopentyl acetate (123-92-2)		
Greece - Occupational Exposure Limits		
OEL TWA	530 mg/m³	
OEL TWA	100 ppm	
OEL STEL	800 mg/m³	
OEL STEL	150 ppm	
Hungary - Occupational Exposure Limits		
AK (OEL TWA)	270 mg/m³	
CK (OEL STEL)	540 mg/m³	
Ireland - Occupational Exposure Limits		
OEL TWA [1]	260 mg/m³	
OEL TWA [2]	50 ppm	
OEL STEL	520 mg/m³	
OEL STEL	100 ppm	
Italy - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
OEL TWA	50 ppm	
OEL STEL	540 mg/m³	
OEL STEL	100 ppm	
Latvia - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
OEL TWA	50 ppm	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	270 mg/m³	
IPRV (OEL TWA) [ppm]	50 ppm	
TPRV (OEL STEL)	540 mg/m³	
TPRV (OEL STEL) [ppm]	100 ppm	
Luxembourg - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
OEL TWA	50 ppm	
OEL STEL	540 mg/m³	
OEL STEL	100 ppm	
Malta - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
OEL TWA	50 ppm	
OEL STEL	540 mg/m³	
OEL STEL	100 ppm	
Netherlands - Occupational Exposure Limits		
TGG-15min (OEL STEL)	530 mg/m³	
TGG-15min (OEL STEL) [ppm]	98.1 ppm	





Poland - Occupational Exposure Limits         250 mg/m²           NDSCh (OEL TWA)         250 mg/m²           Portugal - Occupational Exposure Limits         Portugal - Occupational Exposure Limits           OEL TWA         270 mg/m² (indicative limit value)           OEL TWA         50 ppm (indicative limit value)           OEL STEL         540 mg/m² (indicative limit value)           OEL STEL         540 mg/m² (indicative limit value)           OEL STEL         540 mg/m² (indicative limit value)           OEL TWA         270 mg/m²           OEL TWA         50 ppm           OEL TWA         50 ppm           OEL TWA         50 ppm           OEL STEL         640 mg/m²           OEL STEL         500 ppm           OEL STEL         500 ppm           NPHV (OEL TWA) [1]         270 mg/m²           NPHV (OEL TWA) [2]         50 ppm           NPHV (OEL TWA) [2]         50 ppm           Sloveira - Occupational Exposure Limits         OEL TWA           OEL STEL         540 mg/m²	isopentyl acetate (123-92-2)		
NDSCh (OEL STEL)   500 mg/m²	Poland - Occupational Exposure Limits		
Portugal - Occupational Exposure Limits	NDS (OEL TWA)	250 mg/m³	
OEL TWA         270 mg/m² (indicative limit value)           OEL TWA         50 ppm (indicative limit value (Pentyl acetate, all isomers)           OEL STEL         540 mg/m² (indicative limit value)           OEL STEL         100 ppm (indicative limit value)           Romania - Occupational Exposure Limits           OEL TWA           OEL TWA         50 ppm           OEL STEL         540 mg/m²           OEL STEL         100 ppm           Slovakia - Occupational Exposure Limits         NPHV (OEL TWA) [1]           NPHV (OEL TWA) [2]         50 ppm           NPHV (OEL C)         540 mg/m²           Slovania - Occupational Exposure Limits           VIVA           OEL TWA         270 mg/m²           OEL TWA         50 ppm           OEL TWA         50 ppm           OEL STEL         540 mg/m²           OEL STEL         540 mg/m²           OEL STEL         100 ppm           Spain - Occupational Exposure Limits         VIVA-E0 (OEL TWA) [1]           VLA-E0 (OEL TWA) [2]         50 ppm (indicative limit value)           VLA-E0 (OEL TWA) [2]         50 ppm (indicative limit value)           VLA-E0 (OEL TWA) [2]         50 ppm (indicative limit value)           VLA-E0 (OEL T	NDSCh (OEL STEL)	500 mg/m³	
So ppm (indicative limit value (Pentyl acetate, all isomers)	Portugal - Occupational Exposure Limits		
OEL STEL         540 mg/m² (indicative limit value)           OEL STEL         100 ppm (indicative limit value)           Romania - Occupational Exposure Limits         270 mg/m³           OEL TWA         50 ppm           OEL STEL         540 mg/m³           OEL STEL         100 ppm           Slovakia - Occupational Exposure Limits         Very Cell TWA) [1]           NPHV (OEL TWA) [2]         50 ppm           NPHV (OEL TWA) [2]         50 ppm           NPHV (OEL C)         540 mg/m³           Slovenia - Occupational Exposure Limits           OEL TWA         270 mg/m³           OEL TWA         50 ppm           OEL STEL         540 mg/m³           OEL STEL         540 mg/m³           OEL STEL         100 ppm           Spain - Occupational Exposure Limits         VLA-ED (OEL TWA) [1]           VLA-ED (OEL TWA) [2]         50 ppm (indicative limit value)           VLA-ED (OEL TWA) [2]         50 ppm (indicative limit value)           VLA-EC (OEL STEL) [ppm]         100 ppm           Sweden - Occupational Exposure Limits           KTV (OEL TWA) [ppm]         50 ppm (Pentyl acetates)           KTV (OEL TWA) [ppm]         50 ppm (Pentyl acetates)           KTV (OEL STEL) [ppm]         100 ppm (Pentyl acetates) <td>OEL TWA</td> <td>270 mg/m³ (indicative limit value)</td>	OEL TWA	270 mg/m³ (indicative limit value)	
OEL STEL         100 ppm (indicative limit value)           Romania - Occupational Exposure Limits           OEL TWA         270 mg/m²           OEL STEL         540 mg/m²           OEL STEL         100 ppm           Slovakia - Occupational Exposure Limits         NPHV (OEL TWA) [1]           NPHV (OEL TWA) [2]         50 ppm           NPHV (OEL TWA) [2]         50 ppm           NPHV (OEL C)         540 mg/m²           Slovania - Occupational Exposure Limits           OEL TWA         270 mg/m²           OEL TWA         50 ppm           OEL TWA         50 ppm           OEL STEL         540 mg/m²           OEL STEL         100 ppm           Spain - Occupational Exposure Limits         VLA-ED (OEL TWA) [1]           VLA-ED (OEL TWA) [2]         50 ppm (indicative limit value)           VLA-ED (OEL TWA) [2]         50 ppm (indicative limit value)           VLA-ED (OEL STEL) [ppm]         50 ppm (indicative limit value)           VLA-ED (OEL STEL) [ppm]         50 ppm (indicative limit value)           VLA-ED (OEL STEL) [ppm]         50 ppm (indicative limit value)           VLA-ED (OEL STEL) [ppm]         50 ppm (indicative limit value)           VLA-ED (OEL STEL) [ppm]         50 ppm (indicative limit value)           V	OEL TWA	50 ppm (indicative limit value (Pentyl acetate, all isomers)	
Romania - Occupational Exposure Limits	OEL STEL	540 mg/m³ (indicative limit value)	
OEL TWA         270 mg/m³           OEL TWA         50 ppm           OEL STEL         540 mg/m³           OEL STEL         100 ppm           Slovakia - Occupational Exposure Limits           NPHV (OEL TWA) [1]           270 mg/m³           NPHV (OEL C)         540 mg/m³           Slovenia - Occupational Exposure Limits           OEL TWA         270 mg/m³           OEL TWA         50 ppm           OEL STEL         540 mg/m³           OEL STEL         540 mg/m³           OEL STEL         100 ppm           Spain - Occupational Exposure Limits           VLA-ED (OEL TWA) [1]         270 mg/m³ (indicative limit value)           VLA-ED (OEL TWA) [2]         50 ppm (indicative limit value)           VLA-ED (OEL STEL) [ppm]         100 ppm           Sweden - Occupational Exposure Limits         VLA-ED (OEL STEL) [ppm]           NGV (OEL TWA) [ppm]         50 ppm (Pentyl acetates)           KTV (OEL STEL) [ppm]         50 ppm (Pentyl acetates)           KTV (OEL STEL) [ppm]         100 ppm (Pentyl acetates)           Norway - Occupational Exposure Limits         Censeverdi (OEL TWA) [1]           Occupational Exposure Limits         Censeverdi (OEL TWA) [1]	OEL STEL	100 ppm (indicative limit value)	
OEL TWA         50 ppm           OEL STEL         540 mg/m³           OEL STEL         100 ppm           Slovakia - Occupational Exposure Limits           NPHV (OEL TWA) [1]         270 mg/m³           NPHV (OEL TWA) [2]         50 ppm           NPHV (OEL C)         540 mg/m³           Slovenia - Occupational Exposure Limits           OEL TWA         270 mg/m³           OEL TWA         50 ppm           OEL STEL         540 mg/m³           OEL STEL         100 ppm           Spain - Occupational Exposure Limits           VLA-ED (OEL TWA) [1]         270 mg/m³ (indicative limit value)           VLA-ED (OEL TWA) [2]         50 ppm (indicative limit value)           VLA-EC (OEL STEL)         540 mg/m³           VLA-EC (OEL STEL) [ppm]         100 ppm           Sweden - Occupational Exposure Limits           NGV (OEL TWA) [ppm]         50 ppm (Pentyl acetates)           KTV (OEL STEL)         540 mg/m³ (Pentyl acetates)           KTV (OEL STEL) [ppm]         100 ppm (Pentyl acetates)           Norway - Occupational Exposure Limits         640 mg/m³ (Pentyl acetates)           Grenseverdi (OEL TWA) [1]         260 mg/m³	Romania - Occupational Exposure Limits		
S40 mg/m³   100 ppm   Slovakia - Occupational Exposure Limits   100 ppm   Slovakia - Occupational Exposure Limits   100 ppm   Slovakia - Occupational Exposure Limits   S10 ppm   Spain - Occupational Exposure Limits   S10 ppm   Spain - Occupational Exposure Limits   S10 ppm   Spain - Occupational Exposure Limits   S270 mg/m³   Spain - Occupational Exposure Limits   S270 mg/m³ (indicative limit value)   S10 ppm   S20 ppm (indicative limit value)   S10 ppm   S20 ppm (indicative limit value)   S10 ppm   S20 ppm (indicative limit value)   S270 mg/m³   S270 mg/m	OEL TWA	270 mg/m³	
100 ppm	OEL TWA	50 ppm	
Slovakia - Occupational Exposure Limits   270 mg/m³   100 ppm	OEL STEL	540 mg/m³	
NPHV (OEL TWA) [1]         270 mg/m³           NPHV (OEL C)         540 mg/m³           Slovenia - Occupational Exposure Limits         270 mg/m³           OEL TWA         270 mg/m³           OEL TWA         50 ppm           OEL STEL         540 mg/m³           OEL STEL         100 ppm           Spain - Occupational Exposure Limits         VLA-ED (OEL TWA) [1]           VLA-ED (OEL TWA) [2]         50 ppm (indicative limit value)           VLA-EC (OEL STEL)         540 mg/m³           VLA-EC (OEL STEL) [ppm]         100 ppm           Sweden - Occupational Exposure Limits         VLA-EC (OEL STEL) [ppm]           NGV (OEL TWA) [ppm]         50 ppm (Pentyl acetates)           KTV (OEL STEL) [ppm]         540 mg/m³ (Pentyl acetates)           KTV (OEL STEL) [ppm]         100 ppm (Pentyl acetates)           KTV (OEL STEL) [ppm]         100 ppm (Pentyl acetates)           Norway - Occupational Exposure Limits         Grenseverdi (OEL TWA) [1]           Grenseverdi (OEL TWA) [1]         260 mg/m³	OEL STEL	100 ppm	
NPHV (OEL TWA) [2]         50 ppm           NPHV (OEL C)         540 mg/m³           Slovenia - Occupational Exposure Limits         270 mg/m³           OEL TWA         50 ppm           OEL TWA         50 ppm           OEL STEL         540 mg/m³           OEL STEL         100 ppm           Spain - Occupational Exposure Limits         VLA-ED (OEL TWA) [1]           VLA-ED (OEL TWA) [2]         50 ppm (indicative limit value)           VLA-ED (OEL STEL)         540 mg/m³           VLA-EC (OEL STEL) [ppm]         100 ppm           Sweden - Occupational Exposure Limits         NGV (OEL TWA) [ppm]           NGV (OEL TWA) [ppm]         50 ppm (Pentyl acetates)           KTV (OEL STEL) [ppm]         50 ppm (Pentyl acetates)           KTV (OEL STEL) [ppm]         100 ppm (Pentyl acetates)           KTV (OEL STEL) [ppm]         100 ppm (Pentyl acetates)           Norway - Occupational Exposure Limits         100 ppm (Pentyl acetates)           Norway - Occupational Exposure Limits         100 ppm (Pentyl acetates)           Grenseverdi (OEL TWA) [1]         260 mg/m³	Slovakia - Occupational Exposure Limits		
NPHV (OEL C)   540 mg/m³	NPHV (OEL TWA) [1]	270 mg/m³	
Slovenia - Occupational Exposure Limits   270 mg/m³	NPHV (OEL TWA) [2]	50 ppm	
OEL TWA       270 mg/m³         OEL TWA       50 ppm         OEL STEL       540 mg/m³         OEL STEL       100 ppm         Spain - Occupational Exposure Limits         VLA-ED (OEL TWA) [1]       270 mg/m³ (indicative limit value)         VLA-ED (OEL TWA) [2]       50 ppm (indicative limit value)         VLA-EC (OEL STEL)       540 mg/m³         VLA-EC (OEL STEL) [ppm]       100 ppm         Sweden - Occupational Exposure Limits         NGV (OEL TWA) [ppm]       50 ppm (Pentyl acetates)         KTV (OEL STEL)       540 mg/m³ (Pentyl acetates)         KTV (OEL STEL) [ppm]       100 ppm (Pentyl acetates)         KTV (OEL STEL) [ppm]       100 ppm (Pentyl acetates)         Norway - Occupational Exposure Limits         Genseverdi (OEL TWA) [1]       260 mg/m³	NPHV (OEL C)	540 mg/m³	
OEL TWA         50 ppm           OEL STEL         540 mg/m³           OEL STEL         100 ppm           Spain - Occupational Exposure Limits           VLA-ED (OEL TWA) [1]         270 mg/m³ (indicative limit value)           VLA-ED (OEL TWA) [2]         50 ppm (indicative limit value)           VLA-EC (OEL STEL)         540 mg/m³           VLA-EC (OEL STEL) [ppm]         100 ppm           Sweden - Occupational Exposure Limits           NGV (OEL TWA) [ppm]         50 ppm (Pentyl acetates)           KTV (OEL STEL)         540 mg/m³ (Pentyl acetates)           KTV (OEL STEL) [ppm]         100 ppm (Pentyl acetates)           KTV (OEL STEL) [ppm]         100 ppm (Pentyl acetates)           Norway - Occupational Exposure Limits         67 censeverdi (OEL TWA) [1]           Grenseverdi (OEL TWA) [1]         260 mg/m³	Slovenia - Occupational Exposure Limits		
OEL STEL       540 mg/m³         OEL STEL       100 ppm         Spain - Occupational Exposure Limits         VLA-ED (OEL TWA) [1]       270 mg/m³ (indicative limit value)         VLA-ED (OEL TWA) [2]       50 ppm (indicative limit value)         VLA-EC (OEL STEL)       540 mg/m³         VLA-EC (OEL STEL) [ppm]       100 ppm         Sweden - Occupational Exposure Limits         NGV (OEL TWA)       270 mg/m³ (Pentyl acetates)         NGV (OEL TWA) [ppm]       50 ppm (Pentyl acetates)         KTV (OEL STEL)       540 mg/m³ (Pentyl acetates)         KTV (OEL STEL) [ppm]       100 ppm (Pentyl acetates)         Norway - Occupational Exposure Limits         Grenseverdi (OEL TWA) [1]       260 mg/m³	OEL TWA	270 mg/m³	
OEL STEL  Spain - Occupational Exposure Limits  VLA-ED (OEL TWA) [1]  VLA-ED (OEL TWA) [2]  So ppm (indicative limit value)  VLA-EC (OEL STEL)  VLA-EC (OEL STEL)  S40 mg/m³  VLA-EC (OEL STEL) [ppm]  Sweden - Occupational Exposure Limits  NGV (OEL TWA)  NGV (OEL TWA)  So ppm (Pentyl acetates)  NGV (OEL STEL)  S40 mg/m³ (Pentyl acetates)  KTV (OEL STEL)  S40 mg/m³ (Pentyl acetates)  KTV (OEL STEL)  S40 mg/m³ (Pentyl acetates)  KTV (OEL STEL)  Norway - Occupational Exposure Limits  Genseverdi (OEL TWA) [1]  260 mg/m³	OEL TWA	50 ppm	
Spain - Occupational Exposure Limits  VLA-ED (OEL TWA) [1] 270 mg/m³ (indicative limit value)  VLA-ED (OEL TWA) [2] 50 ppm (indicative limit value)  VLA-EC (OEL STEL) 540 mg/m³  VLA-EC (OEL STEL) [ppm] 100 ppm  Sweden - Occupational Exposure Limits  NGV (OEL TWA) 270 mg/m³ (Pentyl acetates)  NGV (OEL TWA) 50 ppm (Pentyl acetates)  KTV (OEL STEL) [ppm] 50 ppm (Pentyl acetates)  KTV (OEL STEL) [ppm] 100 ppm (Pentyl acetates)  Norway - Occupational Exposure Limits  Grenseverdi (OEL TWA) [1] 260 mg/m³	OEL STEL	540 mg/m³	
VLA-ED (OEL TWA) [1]         270 mg/m³ (indicative limit value)           VLA-ED (OEL TWA) [2]         50 ppm (indicative limit value)           VLA-EC (OEL STEL)         540 mg/m³           VLA-EC (OEL STEL) [ppm]         100 ppm           Sweden - Occupational Exposure Limits           NGV (OEL TWA)         270 mg/m³ (Pentyl acetates)           NGV (OEL TWA) [ppm]         50 ppm (Pentyl acetates)           KTV (OEL STEL)         540 mg/m³ (Pentyl acetates)           KTV (OEL STEL) [ppm]         100 ppm (Pentyl acetates)           Norway - Occupational Exposure Limits           Grenseverdi (OEL TWA) [1]         260 mg/m³	OEL STEL	100 ppm	
VLA-ED (OEL TWA) [2] 50 ppm (indicative limit value)  VLA-EC (OEL STEL) 540 mg/m³  VLA-EC (OEL STEL) [ppm] 100 ppm  Sweden - Occupational Exposure Limits  NGV (OEL TWA) 270 mg/m³ (Pentyl acetates)  NGV (OEL TWA) [ppm] 50 ppm (Pentyl acetates)  KTV (OEL STEL) 540 mg/m³ (Pentyl acetates)  KTV (OEL STEL) [ppm] 100 ppm (Pentyl acetates)  Norway - Occupational Exposure Limits  Grenseverdi (OEL TWA) [1] 260 mg/m³	Spain - Occupational Exposure Limits		
VLA-EC (OEL STEL) 540 mg/m³  VLA-EC (OEL STEL) [ppm] 100 ppm  Sweden - Occupational Exposure Limits  NGV (OEL TWA) 270 mg/m³ (Pentyl acetates)  NGV (OEL TWA) [ppm] 50 ppm (Pentyl acetates)  KTV (OEL STEL) 540 mg/m³ (Pentyl acetates)  KTV (OEL STEL) [ppm] 100 ppm (Pentyl acetates)  Norway - Occupational Exposure Limits  Grenseverdi (OEL TWA) [1] 260 mg/m³	VLA-ED (OEL TWA) [1]	270 mg/m³ (indicative limit value)	
VLA-EC (OEL STEL) [ppm] 100 ppm  Sweden - Occupational Exposure Limits  NGV (OEL TWA) 270 mg/m³ (Pentyl acetates)  NGV (OEL TWA) [ppm] 50 ppm (Pentyl acetates)  KTV (OEL STEL) 540 mg/m³ (Pentyl acetates)  KTV (OEL STEL) [ppm] 100 ppm (Pentyl acetates)  Norway - Occupational Exposure Limits  Grenseverdi (OEL TWA) [1] 260 mg/m³	VLA-ED (OEL TWA) [2]	50 ppm (indicative limit value)	
Sweden - Occupational Exposure Limits  NGV (OEL TWA) 270 mg/m³ (Pentyl acetates)  NGV (OEL TWA) [ppm] 50 ppm (Pentyl acetates)  KTV (OEL STEL) 540 mg/m³ (Pentyl acetates)  KTV (OEL STEL) [ppm] 100 ppm (Pentyl acetates)  Norway - Occupational Exposure Limits  Grenseverdi (OEL TWA) [1] 260 mg/m³	VLA-EC (OEL STEL)	540 mg/m³	
NGV (OEL TWA)  270 mg/m³ (Pentyl acetates)  NGV (OEL TWA) [ppm]  50 ppm (Pentyl acetates)  KTV (OEL STEL)  540 mg/m³ (Pentyl acetates)  KTV (OEL STEL) [ppm]  100 ppm (Pentyl acetates)  Norway - Occupational Exposure Limits  Grenseverdi (OEL TWA) [1]  260 mg/m³	VLA-EC (OEL STEL) [ppm]	100 ppm	
NGV (OEL TWA) [ppm] 50 ppm (Pentyl acetates)  KTV (OEL STEL) 540 mg/m³ (Pentyl acetates)  KTV (OEL STEL) [ppm] 100 ppm (Pentyl acetates)  Norway - Occupational Exposure Limits  Grenseverdi (OEL TWA) [1] 260 mg/m³	Sweden - Occupational Exposure Limits		
KTV (OEL STEL) 540 mg/m³ (Pentyl acetates)  KTV (OEL STEL) [ppm] 100 ppm (Pentyl acetates)  Norway - Occupational Exposure Limits  Grenseverdi (OEL TWA) [1] 260 mg/m³	NGV (OEL TWA)	270 mg/m³ (Pentyl acetates)	
KTV (OEL STEL) [ppm] 100 ppm (Pentyl acetates)  Norway - Occupational Exposure Limits  Grenseverdi (OEL TWA) [1] 260 mg/m³	NGV (OEL TWA) [ppm]	50 ppm (Pentyl acetates)	
Norway - Occupational Exposure Limits  Grenseverdi (OEL TWA) [1] 260 mg/m³	KTV (OEL STEL)	540 mg/m³ (Pentyl acetates)	
Grenseverdi (OEL TWA) [1] 260 mg/m³	KTV (OEL STEL) [ppm]	100 ppm (Pentyl acetates)	
	Norway - Occupational Exposure Limits		
	Grenseverdi (OEL TWA) [1]	260 mg/m³	
Grenseverdi (OEL TWA) [2] 50 ppm	Grenseverdi (OEL TWA) [2]	50 ppm	
Korttidsverdi (OEL STEL) 325 mg/m³ (value calculated)	Korttidsverdi (OEL STEL)	325 mg/m³ (value calculated)	
Korttidsverdi (OEL STEL) [ppm] 75 ppm (value calculated)	Korttidsverdi (OEL STEL) [ppm]	75 ppm (value calculated)	
USA - ACGIH - Occupational Exposure Limits			
ACGIH OEL TWA [ppm] 50 ppm (Pentyl acetate, all isomers)	ACGIH OEL TWA [ppm]	50 ppm (Pentyl acetate, all isomers)	





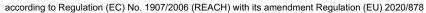
ACGIH OEL STEL [ppm]   100 ppm (Pemlyl acetale, all isomers)	isopentyl acetate (123-92-2)	
Belgium - Occupational Exposure Limits  OEL TWA 32 mg/m² (vapor and aerosol)  OEL trival 5 ppm (vapor and aerosol)  OEL ordinal category Skin  OEL TWA [2] 5 ppm  OEL TWA [2] 5 ppm (inhalable fraction; vapor)  OEL Chemical category Sensitzer dermal, A4 - Not Classifiable as a Human Carcinogen, skin - potential for cutaneous exposure Cu	ACGIH OEL STEL [ppm]	100 ppm (Pentyl acetate, all isomers)
OEL TWA 32 mg/m² (vapor and aerosol) OEL TWA 5 ppm (vapor and aerosol) OEL demical category Skin Ireland - Occupational Exposure Limits OEL TWA [2] 5 ppm (calculated) OEL STEL 15 ppm (calculated) Poland - Occupational Exposure Limits NDS (OEL TWA) 27 mg/m² NDSCh (OEL TWA) 27 mg/m² NDSCh (OEL TWA) 5 ppm (inhalable fraction; vapor) OEL demical category Sensitizer demail, A4 - Not Classifiable as a Human Carcinogen, skin - potential for cutaneous exposure Spain - Occupational Exposure Limits VLA-ED (OEL TWA) [2] 5 ppm (inhalable fraction and vapor) OEL chemical category Sensitizer, skin - potential for cutaneous exposure Spain - Occupational Exposure Limits VLA-ED (OEL TWA) [2] 5 ppm (inhalable fraction and vapor) OEL chemical category Sensitizer, skin - potential for cutaneous absorption USA - ACGIH - Occupational Exposure Limits ACGIH OEL TWA [ppm] 5 ppm (inhalable fraction and vapor) ACGIH chemical category Sensitizer, skin - potential for cutaneous absorption USA - ACGIH - Occupational Exposure Limits OEL TWA [ppm] 5 ppm (inhalable fraction and vapor) ACGIH chemical category by the cutaneous route, demail sensitizer  alpha-Pinene (80-56-8) Belgium - Occupational Exposure Limits OEL TWA 20 ppm Estonia - Occupational Exposure Limits OEL TWA 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 TWA 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 ng/m² (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 PRV (OEL TWA) 150 ng/m² TPRV (OEL TWA) 150 ng/m² TPRV (OEL TWA) 150 ng/m²	citral (5392-40-5)	
OEL TWA 5 ppm (vapor and aerosol) OEL chemical category Skin Ireland - Occupational Exposure Limits OEL TWA [2] 5 ppm OEL STEL 15 ppm (calculated) Poland - Occupational Exposure Limits NDS (OEL TWA) 27 mg/m² NDSCh (OEL STEL) 54 mg/m² Portugal - Occupational Exposure Limits OEL TWA 5 ppm (inhalatele fraction; vapor) OEL chemical category 5 sensitizer dermal, A4 - Not Classifiable as a Human Carcinogen, skin - potential for cutaneous exposure valuate of cutaneous exposure valuate of cutaneous exposure valuate valuate of cutaneous exposure valuate	Belgium - Occupational Exposure Limits	
OEL chemical category   Skin   Ireland - Occupational Exposure Limits   5 ppm   OEL STEL   15 ppm (calculated)   OEL STEL   15 ppm (calculated)   OEL STEL   15 ppm (calculated)   OEL STEL   75 ppm (calculated)   OEL STEL   75 ppm (calculated)   NDSC (OEL STEL)   54 mg/m²   NDSC (OEL STEL)   54 mg/m²   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-EC (OEL TWA)   22   5 ppm (inhalable fraction and vapor)   OEL chemical category   Sensitizer, skin - potential for cutaneous absorption   USA - ACGIH - Occupational Exposure Limits   ACGIH OEL TWA (ppm)   5 ppm (inhalable fraction and vapor)   ACGIH CHE TWA (ppm)   5 ppm (inhalable fraction and vapor)   ACGIH CHE TWA (ppm)   5 ppm (inhalable fraction and vapor)   ACGIH CHE TWA (ppm)   5 ppm (inhalable fraction and vapor)   ACGIH CHE TWA (ppm)   5 ppm (inhalable fraction and vapor)   ACGIH CHE TWA (ppm)   5 ppm (inhalable fraction and vapor)   ACGIH CHE TWA (ppm)   5 ppm (inhalable fraction and vapor)   ACGIH CHE TWA (ppm)   5 ppm (inhalable fraction and vapor)   ACGIH CHE TWA (ppm)   25 ppm (ppm)   150 mg/m² (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)   OEL TWA   150 mg/m² (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/m² (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   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)   OEL STEL   50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monote	OEL TWA	32 mg/m³ (vapor and aerosol)
Ireland - Occupational Exposure Limits  OEL TWA [2] 5 ppm  OEL STEL 15 ppm (calculated)  Poland - Occupational Exposure Limits  NDS (OEL TWA) 27 mg/m²  NDSCh (OEL TWA) 27 mg/m²  NDSCh (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) [2] 5 ppm (inhalable fraction and vapor)  OEL chemical category Sensitizer, skin - potential for cutaneous absorption  USA - ACGIH - Occupational Exposure Limits  ACGIH OEL TWA [ppm] 5 ppm (inhalable fraction and vapor)  USA - ACGIH - Occupational Exposure Limits  ACGIH Chemical category Portional Exposure Limits  ACGIH Chemical category Sensitizer, skin - potential for cutaneous absorption  USA - ACGIH - Occupational Exposure Limits  ACGIH OEL TWA [ppm] 5 ppm (inhalable fraction and vapor)  Not Classifiable as a Human Carcinogen, Skin - potential significant contribution to overall exposure by the cutaneous route, dermal sensitizer  LalphaPinene (80-56-8)  Belgium - Occupational Exposure Limits  OEL TWA 20 ppm  Estonia - Occupational Exposure Limits  OEL TWA 150 mg/m² (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/m² (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 500 mg/m² (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 500 mg/m² (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 500 mg/m² (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)	OEL TWA	5 ppm (vapor and aerosol)
OEL TWA [2]   5 ppm   OEL STEL   15 ppm (calculated) Poland - Occupational Exposure Limits  NDS (OEL TWA)   27 mg/m²  NDSCH (OEL STEL)   54 mg/m²  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) [2]   5 ppm (inhalable fraction and vapor)  OEL chemical category   Sensitizer, skin - potential for cutaneous absorption  USA - ACGIH - Occupational Exposure Limits  ACGIH OEL TWA [ppm]   5 ppm (inhalable fraction and vapor)  USA - ACGIH - Occupational Exposure Limits  ACGIH chemical category   Not Classifiable as a Human Carcinogen, Skin - potential significant contribution to overall exposure by the cutaneous route, dermal sensitizer  Jaipha-Pinene (80-56-8)  Belgium - Occupational Exposure Limits  OEL TWA   20 ppm    Estonia - Occupational Exposure Limits  OEL TWA   20 ppm   150 mg/m² (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)  OEL TWA   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/m² (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   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)  OEL STEL   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)  OEL STEL   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)	OEL chemical category	Skin
OEL STEL 15 ppm (calculated)  Poland - Occupational Exposure Limits  NDS (OEL TWA) 27 mg/m³  NDSCN (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) [2] 5 ppm (inhalable fraction and vapor)  OEL chemical category Sensitizer, skin - potential for cutaneous absorption  USA - ACGIH - Occupational Exposure Limits  ACGIH OEL TWA [ppm] 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  alphaPinene (80-56-8)  Belgium - Occupational Exposure Limits  OEL TWA 20 ppm  Estonia - Occupational Exposure Limits  OEL TWA 20 ppm  Limits  OEL TWA 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 TWA 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 30 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 50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)  Lithuania - Occupational Exposure Limits  IPRV (OEL TWA) 150 mg/m³  IPRV (OEL TWA) [ppm] 25 ppm  TPRV (OEL TWA) [ppm] 25 ppm  TPRV (OEL TWA) [ppm] 25 ppm  TPRV (OEL TWA) [ppm] 25 ppm	Ireland - Occupational Exposure Limits	
Poland - Occupational Exposure Limits  NDS (DEL TWA)  27 mg/m³  NDSCh (DEL STEL)  54 mg/m³  Portugal - Occupational Exposure Limits  OEL TWA  5 ppm (inhalable fraction; vapor)  Spain - Occupational Exposure Limits  VLA-ED (DEL TWA) [2]  5 ppm (inhalable fraction and vapor)  OEL chemical category  Sensitizer dermal, A4 - Not Classifiable as a Human Carcinogen, skin - potential for cutaneous exposure  Spain - Occupational Exposure Limits  VLA-ED (DEL TWA) [2]  5 ppm (inhalable fraction and vapor)  OEL chemical category  Sensitizer, skin - potential for cutaneous absorption  USA - ACGIH - Occupational Exposure Limits  ACGIH OEL TWA [ppm]  5 ppm (inhalable fraction and vapor)  Not Classifiable as a Human Carcinogen, Skin - potential significant contribution to overall exposure by the cutaneous route, dermal sensitizer  alphaPinene (80-56-8)  Belgium - Occupational Exposure Limits  OEL TWA  20 ppm  Estonia - Occupational Exposure Limits  OEL TWA  150 mg/m² (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)  OEL TWA  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/m² (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  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)  Polational Exposure Limits  FRV (OEL TWA)  150 mg/m²  1FRV (OEL TWA)  150 mg/m²  1FRV (OEL TWA)  150 mg/m²  150 mg/m²  150 mg/m²  150 mg/m²  150 mg/m²  150 mg/m²	OEL TWA [2]	5 ppm
NDS (OEL TWA)  NDSCh (OEL STEL)  54 mg/m²  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) [2]  5 ppm (inhalable fraction and vapor)  OEL chemical category  Sensitizer, skin - potential for cutaneous absorption  USA - ACGIH - Occupational Exposure Limits  ACGIH OEL TWA [ppm]  5 ppm (inhalable fraction and vapor)  Not Classifiable as a Human Carcinogen, Skin - potential significant contribution to overall exposure by the cutaneous route, darmal sensitizer  alphaPinene (80-56-8)  Belgium - Occupational Exposure Limits  OEL TWA  20 ppm  Estonia - Occupational Exposure Limits  OEL TWA  150 mg/m² (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpanes, with the exception of 3-Carene, have a lesser effect)  OEL TWA  25 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpanes, 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, monoterpanes, with the exception of 3-Carene, have a lesser effect)  OEL STEL  50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpanes, with the exception of 3-Carene, have a lesser effect)  OEL STEL  50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpanes, with the exception of 3-Carene, have a lesser effect)  PRV (OEL TWA) [ppm]  150 mg/m³  150 mg/m³  150 mg/m³  150 mg/m³  150 mg/m³	OEL STEL	15 ppm (calculated)
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) [2] 5 ppm (inhalable fraction and vapor)  OEL chemical category Sensitizer, skin - potential for cutaneous absorption  USA - ACGIH - Occupational Exposure Limits  ACGIH OEL TWA [ppm] 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  alphaPinene (80-56-8)  Belgium - Occupational Exposure Limits  OEL TWA 20 ppm  Estonia - Occupational Exposure Limits  OEL TWA 150 mg/m² (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)  OEL TWA 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/m² (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 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)  Itituania - Occupational Exposure Limits  IPRV (OEL TWA) [ppm] 25 ppm  TPRV (OEL TWA) [ppm] 25 ppm  TPRV (OEL TWA) [ppm] 25 ppm	Poland - Occupational Exposure Limits	
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) [2] 5 ppm (inhalable fraction and vapor)  OEL chemical category Sensitizer, skin - potential for cutaneous absorption  USA - ACGIH - Occupational Exposure Limits  ACGIH OEL TWA (ppm) 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  alpha-Pinene (80-56-8)  Belgium - Occupational Exposure Limits  OEL TWA 20 ppm  Estonia - Occupational Exposure Limits  OEL TWA 150 mg/m² (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)  OEL TWA 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 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)  OEL STEL 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)  OEL STEL 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)  OEL STEL 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)	NDS (OEL TWA)	27 mg/m³
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) [2] 5 ppm (inhalable fraction and vapor) OEL chemical category Sensitizer, skin - potential for cutaneous absorption  USA - ACGIH - Occupational Exposure Limits  ACGIH OEL TWA [ppm] 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  alphaPinene (80-56-8)  Belgium - Occupational Exposure Limits OEL TWA 20 ppm  Estonia - Occupational Exposure Limits OEL TWA 150 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect) OEL TWA 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 50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)  Lithuania - Occupational Exposure Limits  IPRV (OEL TWA) 150 mg/m³  IPRV (OEL TWA) 150 mg/m³  IPRV (OEL TWA) 150 mg/m³  IPRV (OEL TWA) 19pm] 25 ppm  TPRV (OEL TWA) 19pm] 25 ppm  TPRV (OEL TWA) 19pm] 25 ppm	NDSCh (OEL STEL)	54 mg/m³
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) [2] 5 ppm (inhalable fraction and vapor) OEL chemical category Sensitizer, skin - potential for cutaneous absorption  USA - ACGIH - Occupational Exposure Limits  ACGIH OEL TWA [ppm] 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  alphaPinene (80-56-8)  Belgium - Occupational Exposure Limits OEL TWA 20 ppm  Estonia - Occupational Exposure Limits OEL TWA 150 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect) 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 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) OEL STEL 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) OEL STEL 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)  OEL STEL 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)  OEL STEL 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)  OEL STEL 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)	Portugal - Occupational Exposure Limits	
cutaneous exposure  Spain - Occupational Exposure Limits  VLA-ED (OEL TWA) [2] 5 ppm (inhalable fraction and vapor)  OEL chemical category Sensitizer, skin - potential for cutaneous absorption  USA - ACGIH - Occupational Exposure Limits  ACGIH OEL TWA [ppm] 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  alphaPinene (80-56-8)  Belgium - Occupational Exposure Limits  OEL TWA 20 ppm  Estonia - Occupational Exposure Limits  OEL TWA 150 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)  OEL TWA 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 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)  OEL STEL 50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)  Lithuania - Occupational Exposure Limits  IPRV (OEL TWA) 150 mg/m³  IPRV (OEL TWA) 25 ppm  TPRV (OEL TWA) 25 ppm  TPRV (OEL STEL) 300 mg/m³	OEL TWA	5 ppm (inhalable fraction; vapor)
VLA-ED (OEL TWA) [2] 5 ppm (inhalable fraction and vapor)  OEL chemical category Sensitizer, skin - potential for cutaneous absorption  USA - ACGIH - Occupational Exposure Limits  ACGIH OEL TWA [ppm] 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  alphaPinene (80-56-8)  Belgium - Occupational Exposure Limits  OEL TWA 20 ppm  Estonia - Occupational Exposure Limits  OEL TWA 150 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)  OEL TWA 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 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)  OEL STEL 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)  OEL STEL 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)  OEL STEL 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)	OEL chemical category	
DEL chemical category  USA - ACGIH - Occupational Exposure Limits  ACGIH OEL TWA [ppm]  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  alphaPinene (80-56-8)  Belgium - Occupational Exposure Limits  OEL TWA  20 ppm  Estonia - Occupational Exposure Limits  OEL TWA  150 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)  OEL TWA  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  50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)  Lithuania - Occupational Exposure Limits  IPRV (OEL TWA)  150 mg/m³  IPRV (OEL TWA)  150 mg/m³  IPRV (OEL STEL)  300 mg/m³	Spain - Occupational Exposure Limits	
USA - ACGIH - Occupational Exposure Limits  ACGIH OEL TWA [ppm] 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  .alphaPinene (80-56-8)  Belgium - Occupational Exposure Limits  OEL TWA 20 ppm  Estonia - Occupational Exposure Limits  OEL TWA 150 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)  OEL TWA 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 50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)  Lithuania - Occupational Exposure Limits  IPRV (OEL TWA) 150 mg/m³  IPRV (OEL TWA) [ppm] 25 ppm  TPRV (OEL STEL) 300 mg/m³	VLA-ED (OEL TWA) [2]	5 ppm (inhalable fraction and vapor)
ACGIH CEL TWA [ppm] 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  .alphaPinene (80-56-8)  Belgium - Occupational Exposure Limits  OEL TWA 20 ppm  Estonia - Occupational Exposure Limits  OEL TWA 150 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)  OEL TWA 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 50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)  Lithuania - Occupational Exposure Limits  IPRV (OEL TWA) 150 mg/m³  IPRV (OEL TWA) [ppm] 25 ppm  TPRV (OEL STEL) 300 mg/m³	OEL chemical category	Sensitizer, skin - potential for cutaneous absorption
ACGIH chemical category  Not Classifiable as a Human Carcinogen, Skin - potential significant contribution to overall exposure by the cutaneous route, dermal sensitizer  alphaPinene (80-56-8)  Belgium - Occupational Exposure Limits  OEL TWA  20 ppm  Estonia - Occupational Exposure Limits  OEL TWA  150 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)  OEL TWA  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  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  17PRV (OEL TWA) [ppm]  25 ppm  TPRV (OEL STEL)  300 mg/m³	USA - ACGIH - Occupational Exposure Limits	
exposure by the cutaneous route, dermal sensitizer    Selgium - Occupational Exposure Limits	ACGIH OEL TWA [ppm]	5 ppm (inhalable fraction and vapor)
Belgium - Occupational Exposure Limits  OEL TWA  20 ppm  Estonia - Occupational Exposure Limits  OEL TWA  150 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)  OEL TWA  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  50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)  Lithuania - Occupational Exposure Limits  IPRV (OEL TWA)  150 mg/m³  IPRV (OEL TWA) [ppm]  25 ppm  TPRV (OEL STEL)  300 mg/m³	ACGIH chemical category	
OEL TWA  Estonia - Occupational Exposure Limits  OEL TWA  150 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)  OEL TWA  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  50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)  Lithuania - Occupational Exposure Limits  IPRV (OEL TWA)  150 mg/m³  IPRV (OEL TWA) [ppm]  25 ppm  TPRV (OEL STEL)  300 mg/m³	.alphaPinene (80-56-8)	
Estonia - Occupational Exposure Limits  OEL TWA  150 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)  OEL TWA  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  50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)  Lithuania - Occupational Exposure Limits  IPRV (OEL TWA)  150 mg/m³  IPRV (OEL TWA) [ppm]  25 ppm  TPRV (OEL STEL)  300 mg/m³	Belgium - Occupational Exposure Limits	
OEL TWA  150 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)  OEL TWA  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  50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)  Lithuania - Occupational Exposure Limits  IPRV (OEL TWA)  150 mg/m³  IPRV (OEL TWA) [ppm]  25 ppm  TPRV (OEL STEL)  300 mg/m³	OEL TWA	20 ppm
monoterpenes, with the exception of 3-Carene, have a lesser effect)  OEL TWA  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  50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)  Lithuania - Occupational Exposure Limits  IPRV (OEL TWA)  150 mg/m³  IPRV (OEL TWA) [ppm]  25 ppm  TPRV (OEL STEL)  300 mg/m³	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)  OEL STEL  50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)  Lithuania - Occupational Exposure Limits  IPRV (OEL TWA)  150 mg/m³  IPRV (OEL TWA) [ppm]  25 ppm  TPRV (OEL STEL)  300 mg/m³	OEL TWA	
monoterpenes, with the exception of 3-Carene, have a lesser effect)  OEL STEL  50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)  Lithuania - Occupational Exposure Limits  IPRV (OEL TWA)  150 mg/m³  IPRV (OEL TWA) [ppm]  25 ppm  TPRV (OEL STEL)  300 mg/m³	OEL TWA	
monoterpenes, with the exception of 3-Carene, have a lesser effect)  Lithuania - Occupational Exposure Limits  IPRV (OEL TWA)	OEL STEL	
IPRV (OEL TWA)         150 mg/m³           IPRV (OEL TWA) [ppm]         25 ppm           TPRV (OEL STEL)         300 mg/m³	OEL STEL	
IPRV (OEL TWA) [ppm]         25 ppm           TPRV (OEL STEL)         300 mg/m³	Lithuania - Occupational Exposure Limits	
TPRV (OEL STEL) 300 mg/m³	IPRV (OEL TWA)	150 mg/m³
	IPRV (OEL TWA) [ppm]	25 ppm
TPRV (OEL STEL) [ppm] 50 ppm	TPRV (OEL STEL)	300 mg/m³
	TPRV (OEL STEL) [ppm]	50 ppm





.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		
VLA-ED (OEL TWA) [1]	113 mg/m³	
VLA-ED (OEL TWA) [2]	20 ppm	
OEL chemical category	Sensitizer	
Sweden - Occupational Exposure Limits		
NGV (OEL TWA)	150 mg/m³	
NGV (OEL TWA) [ppm]	25 ppm	
KTV (OEL STEL)	300 mg/m³	
KTV (OEL STEL) [ppm]	50 ppm	
OEL chemical category	Sensitizer	
Norway - Occupational Exposure Limits		
Grenseverdi (OEL TWA) [1]	140 mg/m³	
Grenseverdi (OEL TWA) [2]	25 ppm	
Korttidsverdi (OEL STEL)	175 mg/m³ (value calculated)	
Korttidsverdi (OEL STEL) [ppm]	37.5 ppm (value calculated)	
OEL chemical category	skin notation	
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA [ppm]	20 ppm (Turpentine and selected Monoterpenes)	
ACGIH chemical category	Not Classifiable as a Human Carcinogen, dermal sensitizer	
Alcohol C-10 (112-30-1)		
Bulgaria - Occupational Exposure Limits		
OEL TWA	10 mg/m³	
Germany - Occupational Exposure Limits (TRGS 90	0)	
AGW (OEL TWA) [1]	66 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)	
AGW (OEL TWA) [2]	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/m³	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	10 mg/m³	
Romania - Occupational Exposure Limits		
OEL TWA	100 mg/m³	
OEL TWA	15 ppm	
OEL STEL	200 mg/m³	
OEL STEL	30 ppm	

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Alcohol C-10 (112-30-1)		
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA) [1]	66 mg/m³ (aerosol, vapour)	
MAK (OEL TWA) [2]	10 ppm (aerosol, vapour)	
KZGW (OEL STEL)	66 mg/m³ (aerosol, vapour)	
KZGW (OEL STEL) [ppm]	10 ppm (aerosol, vapour)	
Aldehyde C-6 (66-25-1)		
Finland - Occupational Exposure Limits		
HTP (OEL STEL)	42 mg/m³	
HTP (OEL STEL) [ppm]	10 ppm	
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	40 mg/m³	
NDSCh (OEL STEL)	80 mg/m <sup>3</sup>	
Caproic acid (142-62-1)		
Bulgaria - Occupational Exposure Limits		
OEL TWA	5 mg/m³	
Latvia - Occupational Exposure Limits		
OEL TWA	5 mg/m³	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	5 mg/m³	

#### 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

## Appropriate engineering controls:

Ensure good ventilation of the work station.

### 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. Safety glasses

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#### 8.2.2.2. Skin protection

#### Skin and body protection:

Wear suitable protective clothing

#### 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

#### **Environmental exposure controls:**

Avoid release to the environment.

#### Other information:

Do not eat, drink or smoke during use.

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

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

Physical state : Liquid

Color : Standard. light yellow. amber. Conforms to standard.

: Not applicable

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

#### 9.2. Other information

Particle characteristics

## 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

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

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

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

Acute toxicity (inhalation) :	Not classified	
(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)	
Hexyl cinnamic aldehyde (101-86-0)		
LD50 oral rat	3100 mg/kg (Source: NLM_CIP)	
LD50 oral	3100 mg/kg body weight	
LD50 dermal rabbit	> 3000 mg/kg (Source: EPA_HPV)	
LC50 Inhalation - Rat	> 5 mg/l/4h	
Allyl heptanoate (142-19-8)		
LD50 oral rat	500 mg/kg (Source: NLM_CIP)	
LD50 oral	218 mg/kg body weight	
LD50 dermal rabbit	810 mg/kg (Source: ECHA_API)	
LD50 dermal	810 mg/kg body weight	
Linalool (78-70-6)		
LD50 oral	2790 mg/kg body weight	
Benzyl acetate (140-11-4)		
LD50 oral rat	2490 mg/kg (Source: JAPAN_GHS)	
LD50 oral	2490 mg/kg body weight	
LD50 dermal rabbit	> 5000 mg/kg (Source: JAPAN_GHS)	
benzyl alcohol (100-51-6)		
LD50 oral rat	1230 mg/kg (Source: NLM_CIP)	
LD50 oral	1620 mg/kg body weight	
LD50 dermal	2500 mg/kg body weight	

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OXACYCLOHEPTADEC-10-EN-2-ONE (28645-51-4)		
LD50 dermal rat	> 2000 mg/kg (Source: ECHA_API)	
citral (5392-40-5)		
LD50 oral rat	4960 mg/kg (Source: NLM_CIP)	
LD50 dermal rabbit	2250 mg/kg (Source: NLM_CIP)	
.alphaPinene (80-56-8)		
LD50 oral rat	3700 mg/kg (Source: NLM_CIP)	
LD50 oral	500 mg/kg body weight	
LD50 dermal rat	> 5000 mg/kg (Source: CHEMVIEW)	
Alcohol C-10 (112-30-1)		
LD50 oral rat	4720 mg/kg (Source: NZ_CCID)	
LD50 dermal rabbit	3560 mg/kg (Source: NLM_CIP)	
Aldehyde C-6 (66-25-1)		
LD50 oral rat	4890 mg/kg (Source: NLM_CIP)	
LD50 dermal rabbit	> 8100 mg/kg (Source: ECHA_API)	
Caproic acid (142-62-1)		
LD50 oral rat	3 g/kg (Source: NLM_HSDB)	
LD50 oral	4000 mg/kg body weight	
LD50 dermal rabbit	630 mg/kg (Source: NLM_HSDB)	
Additional information :  Serious eye damage/irritation :  Additional information :  Respiratory or skin sensitization :	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	
Germ cell mutagenicity : Additional information : Carcinogenicity :	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	
(R)-p-mentha-1,8-diene, d-limonene (5989-27-5	5)	
IARC group	3 - Not classifiable	
Benzyl acetate (140-11-4)		
IARC group	3 - Not classifiable	
Additional information : STOT-single exposure : Additional information : STOT-repeated exposure : 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 Not classified Based on available data, the classification criteria are not met	

## 11.2. Information on other hazards

## 11.2.1. Endocrine disrupting properties

No additional information available

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#### 11.2.2. Other information

Potential Adverse human health effects and

symptoms

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

## **SECTION 12: Ecological information**

## 12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term

(acute)

: Not classified

Hazardous to the aquatic environment, long-term

 $: \ \ \text{Harmful to aquatic life with long lasting effects}.$ 

(chronic)

chronic)			
(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)		
Linalool (78-70-6)			
EC50 96h - Algae [1]	88.3 mg/l (Species: Desmodesmus subspicatus)		
benzyl alcohol (100-51-6)			
LC50 - Fish [1]	460 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA)		
LC50 - Fish [2]	10 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)		
EC50 - Crustacea [1]	23 mg/l (Exposure time: 48 h - Species: water flea)		
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)		
.alphaPinene (80-56-8)	.alphaPinene (80-56-8)		
LC50 - Fish [1]	0.28 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: IUCLID)		
EC50 - Crustacea [1]	41 mg/l (Exposure time: 48 h - Species: Daphnia magna)		
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)		
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)		
Caproic acid (142-62-1)			
LC50 - Fish [1]	306 – 334 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)		
LC50 - Fish [2]	88 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA)		

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## 12.2. Persistence and degradability

NEON MELON CC-16351 5% in DPG	
Persistence and degradability	Not established.

## 12.3. Bioaccumulative potential

NEON MELON CC-16351 5% in DPG			
Bioaccumulative potential	Not established.		
(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)		
Allyl heptanoate (142-19-8)			
Partition coefficient n-octanol/water (Log Pow)	3.97 (at 20 °C (at pH 5.3)		
Benzyl acetate (140-11-4)			
Partition coefficient n-octanol/water (Log Pow)	1.96 (at 25 °C (at pH 7)		
benzyl alcohol (100-51-6)			
Partition coefficient n-octanol/water (Log Pow)	1.05		
OXACYCLOHEPTADEC-10-EN-2-ONE (28645-	51-4)		
Partition coefficient n-octanol/water (Log Pow)	6.7 (at 23 °C)		
isopentyl acetate (123-92-2)	isopentyl acetate (123-92-2)		
Partition coefficient n-octanol/water (Log Pow)	2.7 (at 35 °C)		
citral (5392-40-5)			
Partition coefficient n-octanol/water (Log Pow)	2.76 (at 25 °C)		
.alphaPinene (80-56-8)			
Partition coefficient n-octanol/water (Log Pow)	4.1		
Alcohol C-10 (112-30-1)			
Partition coefficient n-octanol/water (Log Pow)	4.5 (at 25 °C (at pH 6)		
Aldehyde C-6 (66-25-1)			
Partition coefficient n-octanol/water (Log Pow)	2.3 (at 25 °C (at pH 5)		
Caproic acid (142-62-1)			
Partition coefficient n-octanol/water (Log Pow)	1.88		

## 12.4. Mobility in soil

No additional information available

## 12.5. Results of PBT and vPvB assessment

No additional information available

## 12.6. Endocrine disrupting properties

No additional information available

## 12.7. Other adverse effects

Additional information : Avoid release to the environment.

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## **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Waste treatment methods

Product/Packaging disposal recommendations

Ecology - waste materials

HP code

- : Dispose of contents/container in accordance with licensed collector's sorting instructions.
- : Dispose in a safe manner in accordance with local/national regulations.
- : Avoid release to the environment.
- : HP3 "Flammable:"
  - flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;
  - flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;
  - flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;
  - flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;
  - water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;
  - other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.

## **SECTION 14: Transport information**

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID n	umber			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping	14.2. UN proper shipping 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 hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

## 14.6. Special precautions for user

## **Overland transport**

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

## Inland waterway transport

Not applicable

## Rail transport

Not applicable

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

Not applicable

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

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

#### 15.1.1. EU-Regulations

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

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(c)	NEON MELON CC-16351 5% in DPG; (R)-p- mentha-1,8-diene, d- limonene; Hexyl cinnamic aldehyde; Allyl heptanoate; Benzyl acetate; OXACYCLOHEPTADEC- 10-EN-2-ONE; Alcohol C- 10	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(a)	(R)-p-mentha-1,8-diene, d-limonene; isopentyl acetate; .alphaPinene; Aldehyde C-6	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)	(R)-p-mentha-1,8-diene, d-limonene; Hexyl cinnamic aldehyde; Allyl heptanoate; Linalool; benzyl alcohol; citral; Caproic acid	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
40.	(R)-p-mentha-1,8-diene, d-limonene; isopentyl acetate; .alphaPinene; Aldehyde C-6	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 REACH Annex XIV substances.

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

Contains no REACH candidate substance

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

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

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

Contains no substance(s) subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

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

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

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

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

#### 15.1.2. National regulations

#### Germany

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

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

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 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.

Hazardous Incident Ordinance (12. BImSchV)

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

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

SZW-lijst van kankerverwekkende stoffen

SZW-lijst van mutagene stoffen

SZW-lijst van reprotoxische stoffen - Borstvoeding

SZW-lijst van reprotoxische stoffen -

Vruchtbaarheid

**Netherlands** ABM category

SZW-lijst van reprotoxische stoffen - Ontwikkeling

: None of the components are listed : None of the components are listed

: None of the components are listed : None of the components are listed

: None of the components are listed

#### **Denmark**

Classification remarks

**Danish National Regulations** 

: Emergency management guidelines for the storage of flammable liquids must be followed Pregnant/breastfeeding women working with the product must not be in direct contact with

the product

**Switzerland** 

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

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## **SECTION 16: Other information**

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

COUNCIL of 16 December 2008 on classification, labeling 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-phrases:	
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhalation) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4

## Safety Data Sheet

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



Full text of H- and EUH-phrases:		
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard Category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard Category 1	
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard Category 2	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard Category 3	
Asp. Tox. 1	Aspiration hazard Category 1	
EUH208	Contains (R)-p-mentha-1,8-diene, d-limonene, Hexyl cinnamic aldehyde, Linalool. 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 vapor.	
H301	Toxic if swallowed.	
H302	Harmful if swallowed.	
H304	May be fatal if swallowed and enters airways.	
H311	Toxic in contact with skin.	
H314	Causes severe skin burns and eye damage.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H331	Toxic if inhaled.	
H332	Harmful if inhaled.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H411	Toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C	
Skin Irrit. 2	Skin corrosion/irritation Category 2	
Skin Sens. 1	Skin sensitization, Category 1	
Skin Sens. 1B	Skin sensitization, 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.