### 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 : TRANQUIL BLUE LOTUS CC-16312 5%

Product code : CC-16312\_5%
Type of product : Perfumes, fragrances

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

#### 1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial

For professional use only
: Perfumes, fragrances
: Odour agents

#### 1.2.2. Uses advised against

Use of the substance/mixture

Function or use category

No additional information available

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

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

info@candlecraft.de - www.candlecraft.de

#### 1.4. Emergency telephone number

No additional information available

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

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

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

Hazardous to the aquatic environment – Chronic Hazard, Category 3 H412

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

#### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

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

Signal word (CLP) : -

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

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

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

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

EUH-statements : EUH208 - Contains Hexyl cinnamic aldehyde, Iso E Super, Eucalyptus oil, Benzyl salicylate,

Orange oil . May produce an allergic reaction.

Extra phrases : For professional users only.

#### 2.3. Other hazards

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

EN (English) 1/29

## Safety Data Sheet

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

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

### 3.1. Substances

Not applicable

## 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hexyl cinnamic aldehyde	CAS-No.: 101-86-0 EC-No.: 202-983-3 REACH-no: 01-2119533092- 50	0.15 – 0.3	Skin Sens. 1, H317 Aquatic Chronic 2, H411
Iso E Super	CAS-No.: 54464-57-2 EC-No.: 259-174-3 REACH-no: 01-2119489989- 04	0.135 – 0.265	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 1, H410
Eucalyptus oil	CAS-No.: 8000-48-4 EC-No.: 283-406-2 REACH-no: 01-2119978250- 37	0.07 – 0.135	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Benzyl salicylate	CAS-No.: 118-58-1 EC-No.: 204-262-9 EC Index-No.: 607-754-00-5 REACH-no: 01-2119969442- 31	0.05 – 0.100025	Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
Orange oil	CAS-No.: 8008-57-9 EC-No.: 232-433-8 REACH-no: 01-2119493353- 35	0.05 – 0.1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
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	0.015 - 0.025	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
Camphor substance with national workplace exposure limit(s) (AT, BE, BG, DK, ES, FI, FR, GB, GR, HR, IE, LT, PL, PT, RO, SK, NO, CH)	CAS-No.: 76-22-2 EC-No.: 200-945-0	0.01 – 0.02	Flam. Sol. 2, H228 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 2, H371 Aquatic Chronic 2, H411
Ethyl acetoacetate substance with national workplace exposure limit(s) (RO)	CAS-No.: 141-97-9 EC-No.: 205-516-1	0.01 – 0.015	Not classified
1,2-Propanediol substance with national workplace exposure limit(s) (GB, HR, IE, LT, LV, PL, NO)	CAS-No.: 57-55-6 EC-No.: 200-338-0 REACH-no: 01-2119456809- 23	0.005 – 0.006065	Not classified

EN (English) 2/29

### Safety Data Sheet

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

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
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	0.005 – 0.006065	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319
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	0.005 – 0.005	Aquatic Chronic 3, H412
.betaPinene substance with national workplace exposure limit(s) (BE, EE, ES, LT, PT, SE, NO)	CAS-No.: 127-91-3 EC-No.: 204-872-5	≤ 0.0002625	Flam. Liq. 3, H226
Dipropylene glycol monomethyl ether substance with national workplace exposure limit(s) (AT, BE, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GI, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, NO, CH, TR); substance with a Community workplace exposure limit	CAS-No.: 34590-94-8 EC-No.: 252-104-2	≤ 0.000217	Not classified
decyl alcohol substance with national workplace exposure limit(s) (BG, DE, LT, LV, RO, CH)	CAS-No.: 112-30-1 EC-No.: 203-956-9	0 - 0.000025	Aquatic Chronic 3, H412
.alphaPinene substance with national workplace exposure limit(s) (BE, EE, ES, LT, PT, SE, NO)	CAS-No.: 80-56-8 EC-No.: 201-291-9	≤ 0.0000175	Flam. Liq. 3, H226
Isoamyl acetate substance with national workplace exposure limit(s) (AT, BE, BG, CY, DE, DK, EE, ES, FI, FR, GI, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, NO, TR); substance with a Community workplace exposure limit	CAS-No.: 123-92-2 EC-No.: 204-662-3 EC Index-No.: 607-130-00-2 REACH-no: 01-2119548408- 32	0 – 0.000005	Flam. Liq. 3, H226

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

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

#### 4.1. Description of first aid measures

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

advice (show the label where possible).

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

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

followed by warm water rinse.

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

persists.

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

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

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

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

No additional information available

EN (English) 3/29

### Safety Data Sheet

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

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

#### 5.1. Extinguishing media

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

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

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

No additional information available

#### 5.3. Advice for firefighters

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

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

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

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

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

#### 6.1.1. For non-emergency personnel

**Emergency procedures** : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Ventilate area. **Emergency procedures** 

#### 6.2. Environmental precautions

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

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

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

Collect spillage. Store away from other materials.

#### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

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

### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or

smoking and when leaving work. Provide good ventilation in process area to prevent

formation of vapour.

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

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

container closed when not in use.

Incompatible products Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

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

No additional information available

EN (English) 4/29

## Safety Data Sheet

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

## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

### 8.1.1 National occupational exposure and biological limit values

5.1.1 National occupational exposure and biological limit values		
Citral (5392-40-5)		
Belgium - Occupational Exposure Limits		
OEL TWA	32 mg/m³ (vapor and aerosol)	
OEL TWA [ppm]	5 ppm (vapor and aerosol)	
OEL chemical category	Skin	
Ireland - Occupational Exposure Limits		
OEL TWA [2]	5 ppm	
OEL STEL [ppm]	15 ppm (calculated)	
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	27 mg/m <sup>3</sup>	
NDSCh (OEL STEL)	54 mg/m³	
Portugal - Occupational Exposure Limits		
OEL TWA [ppm]	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	
Camphor (76-22-2)		
Austria - Occupational Exposure Limits		
MAK (OEL TWA)	13 mg/m³	
MAK (OEL TWA) [ppm]	2 ppm	
Belgium - Occupational Exposure Limits		
OEL TWA	12 mg/m³	
OEL TWA [ppm]	2 ppm	
OEL STEL	19 mg/m³	
OEL STEL [ppm]	3 ppm	
Bulgaria - Occupational Exposure Limits		
OEL TWA	12 mg/m³	
OEL STEL	18 mg/m³	
Croatia - Occupational Exposure Limits		
GVI (OEL TWA) [1]	13 mg/m³	
GVI (OEL TWA) [2]	2 ppm	

EN (English) 5/29

# Safety Data Sheet

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

Camphor (76-22-2)		
KGVI (OEL STEL)	19 mg/m³	
KGVI (OEL STEL) [ppm]	3 ppm	
Denmark - Occupational Exposure Limits		
OEL TWA [1]	12 mg/m³	
OEL TWA [2]	2 ppm	
OEL STEL	24 mg/m³	
OEL STEL [ppm]	4 ppm	
Finland - Occupational Exposure Limits		
HTP (OEL TWA) [1]	1.9 mg/m³	
HTP (OEL TWA) [2]	0.3 ppm	
HTP (OEL STEL)	5.7 mg/m³	
HTP (OEL STEL) [ppm]	0.9 ppm	
France - Occupational Exposure Limits		
VME (OEL TWA)	12 mg/m³	
VME (OEL TWA) [ppm]	2 ppm	
Greece - Occupational Exposure Limits		
OEL TWA	12 mg/m³ (inhalable fraction)	
OEL STEL	18 mg/m³	
Ireland - Occupational Exposure Limits		
OEL TWA [1]	12 mg/m³	
OEL TWA [2]	2 ppm	
OEL STEL	18 mg/m³	
OEL STEL [ppm]	3 ppm	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	3 mg/m³	
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	12 mg/m³	
NDSCh (OEL STEL)	18 mg/m³	
Portugal - Occupational Exposure Limits		
OEL TWA [ppm]	2 ppm	
OEL STEL [ppm]	3 ppm	
OEL chemical category	A4 - Not Classifiable as a Human Carcinogen	
Romania - Occupational Exposure Limits		
OEL TWA	1 mg/m³	
OEL TWA [ppm]	6 ppm	
OEL STEL	3 mg/m³	
OEL STEL [ppm]	18 ppm	
Slovakia - Occupational Exposure Limits		
NPHV (OEL TWA) [1]	13 mg/m³	

EN (English) 6/29

# Safety Data Sheet

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

Camphor (76-22-2)		
NPHV (OEL TWA) [2]	2 ppm	
NPHV (OEL C)	26 mg/m³	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA) [1]	13 mg/m³	
VLA-ED (OEL TWA) [2]	2 ppm	
VLA-EC (OEL STEL)	19 mg/m³	
VLA-EC (OEL STEL) [ppm]	3 ppm	
United Kingdom - Occupational Exposure Limits		
WEL TWA (OEL TWA) [1]	13 mg/m³	
WEL TWA (OEL TWA) [2]	2 ppm	
WEL STEL (OEL STEL)	19 mg/m³	
WEL STEL (OEL STEL) [ppm]	3 ppm	
Norway - Occupational Exposure Limits		
Grenseverdi (OEL TWA) [1]	12 mg/m³	
Grenseverdi (OEL TWA) [2]	2 ppm	
Korttidsverdi (OEL STEL)	18 mg/m³ (value calculated)	
Korttidsverdi (OEL STEL) [ppm]	4 ppm (value calculated)	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA) [1]	13 mg/m³ (aerosol, vapour)	
MAK (OEL TWA) [2]	2 ppm (aerosol, vapour)	
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA [ppm]	2 ppm (synthetic)	
ACGIH OEL STEL [ppm]	3 ppm (synthetic)	
ACGIH chemical category	Not Classifiable as a Human Carcinogen synthetic	
Ethyl acetoacetate (141-97-9)		
Romania - Occupational Exposure Limits		
OEL TWA	100 mg/m³	
OEL TWA [ppm]	19 ppm	
OEL STEL	200 mg/m³	
OEL STEL [ppm]	38 ppm	
1,2-Propanediol (57-55-6)		
Croatia - Occupational Exposure Limits		
GVI (OEL TWA) [1]	474 mg/m³ (total vapor and particles) 10 mg/m³ (particles)	
GVI (OEL TWA) [2]	150 ppm	
Ireland - Occupational Exposure Limits		
OEL TWA [1]	10 mg/m³ (particulates) 470 mg/m³ (total vapour and particulates)	
OEL TWA [2]	150 ppm (total vapour and particulates)	

EN (English) 7/29

# Safety Data Sheet

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

1,2-Propanediol (57-55-6)		
OEL STEL	1410 mg/m³ (calculated-particulates) 30 mg/m³ (calculated)	
OEL STEL [ppm]	450 ppm (calculated-total vapour and particulates)	
Latvia - Occupational Exposure Limits		
OEL TWA	7 mg/m³	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	7 mg/m³	
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	100 mg/m³ (vapor and inhalable fraction)	
United Kingdom - Occupational Exposure Limits		
WEL TWA (OEL TWA) [1]	474 mg/m³ (total vapour and particulates) 10 mg/m³ (particulates)	
WEL TWA (OEL TWA) [2]	150 ppm (total vapour and particulates)	
WEL STEL (OEL STEL)	1422 mg/m³ (calculated-total vapour and particulates) 30 mg/m³ (calculated-particulate)	
WEL STEL (OEL STEL) [ppm]	450 ppm (calculated-total vapour and particulates)	
Norway - Occupational Exposure Limits		
Grenseverdi (OEL TWA) [1]	79 mg/m³	
Grenseverdi (OEL TWA) [2]	25 ppm	
Korttidsverdi (OEL STEL)	118.5 mg/m³ (value calculated)	
Korttidsverdi (OEL STEL) [ppm]	37.5 ppm (value calculated)	
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	
Latvia - Occupational Exposure Limits		
OEL TWA	5 mg/m³	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	5 mg/m³	
OEL chemical category	Skin notation	

EN (English) 8/29

# Safety Data Sheet

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

Benzyl alcohol (100-51-6)		
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	240 mg/m³	
Slovenia - Occupational Exposure Limits		
OEL TWA	22 mg/m³	
OEL TWA [ppm]	5 ppm	
OEL STEL	44 mg/m³	
OEL STEL [ppm]	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	
Benzyl acetate (140-11-4)		
Belgium - Occupational Exposure Limits		
OEL TWA	62 mg/m³	
OEL TWA [ppm]	10 ppm	
Denmark - Occupational Exposure Limits		
OEL TWA [1]	61 mg/m³	
OEL TWA [2]	10 ppm	
OEL STEL	122 mg/m³	
OEL STEL [ppm]	20 ppm	
Ireland - Occupational Exposure Limits		
OEL TWA [2]	10 ppm	
OEL STEL [ppm]	30 ppm (calculated)	
Latvia - Occupational Exposure Limits		
OEL TWA	5 mg/m³	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	5 mg/m³	
Portugal - Occupational Exposure Limits		
OEL TWA [ppm]	10 ppm	
OEL chemical category	A4 - Not Classifiable as a Human Carcinogen	
Romania - Occupational Exposure Limits		
OEL TWA	50 mg/m³	
OEL TWA [ppm]	8 ppm	
OEL STEL	80 mg/m³	
OEL STEL [ppm]	13 ppm	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA) [1]	62 mg/m³	
VLA-ED (OEL TWA) [2]	10 ppm	

EN (English) 9/29

# Safety Data Sheet

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

Benzyl acetate (140-11-4)		
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA [ppm]	10 ppm	
ACGIH chemical category	Not Classifiable as a Human Carcinogen	
Dipropylene glycol monomethyl ether (34590-	94-8)	
EU - Indicative Occupational Exposure Limit (IOEL)		
IOEL TWA	308 mg/m³	
IOEL TWA [ppm]	50 ppm	
Remark	Possibility of significant uptake through the skin	
Austria - Occupational Exposure Limits		
MAK (OEL TWA)	307 mg/m³ (mixed isomers)	
MAK (OEL TWA) [ppm]	50 ppm (mixed isomers)	
MAK (OEL STEL)	614 mg/m³ (isomers mixtures)	
MAK (OEL STEL) [ppm]	100 ppm (isomers mixtures)	
OEL chemical category	Skin notation	
Belgium - Occupational Exposure Limits		
OEL TWA	308 mg/m³	
OEL TWA [ppm]	50 ppm	
OEL chemical category	Skin, Skin notation	
Bulgaria - Occupational Exposure Limits		
OEL TWA	308 mg/m³	
OEL TWA [ppm]	50 ppm	
Croatia - Occupational Exposure Limits		
GVI (OEL TWA) [1]	308 mg/m³	
GVI (OEL TWA) [2]	50 ppm	
OEL chemical category	Skin notation	
Cyprus - Occupational Exposure Limits		
OEL TWA	308 mg/m³	
OEL TWA [ppm]	50 ppm	
OEL chemical category	Skin-potential for cutaneous absorption	
Czech Republic - Occupational Exposure Limits		
PEL (OEL TWA)	270 mg/m³	
OEL chemical category	Potential for cutaneous absorption	
Denmark - Occupational Exposure Limits		
OEL TWA [1]	309 mg/m³	
OEL TWA [2]	50 ppm	
OEL STEL	618 mg/m³	
OEL STEL [ppm]	100 ppm	
OEL chemical category	Potential for cutaneous absorption	

EN (English) 10/29

# Safety Data Sheet

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

Dipropylene glycol monomethyl ether (34590-94-8)		
Estonia - Occupational Exposure Limits		
OEL TWA	308 mg/m³	
OEL TWA [ppm]	50 ppm	
OEL chemical category	Skin notation	
Finland - Occupational Exposure Limits		
HTP (OEL TWA) [1]	310 mg/m³	
HTP (OEL TWA) [2]	50 ppm	
OEL chemical category	Potential for cutaneous absorption	
France - Occupational Exposure Limits		
VME (OEL TWA)	308 mg/m³ (restrictive limit)	
VME (OEL TWA) [ppm]	50 ppm (restrictive limit)	
OEL chemical category	Risk of cutaneous absorption	
Germany - Occupational Exposure Limits (TRGS 90	00)	
AGW (OEL TWA) [1]	310 mg/m³ (isomer mixture)	
AGW (OEL TWA) [2]	50 ppm (isomer mixture)	
Gibraltar - Occupational Exposure Limits		
OEL TWA	308 mg/m³	
OEL TWA [ppm]	50 ppm	
OEL chemical category	Skin notation	
Greece - Occupational Exposure Limits		
OEL TWA	600 mg/m³	
OEL TWA [ppm]	100 ppm	
OEL STEL	900 mg/m³	
OEL STEL [ppm]	150 ppm	
OEL chemical category	skin - potential for cutaneous absorption	
Hungary - Occupational Exposure Limits		
AK (OEL TWA)	308 mg/m³	
Ireland - Occupational Exposure Limits		
OEL TWA [1]	308 mg/m³ ((2-Methoxymethylethoxy)propanol)	
OEL TWA [2]	50 ppm ((2-Methoxymethylethoxy)propanol)	
OEL STEL	924 mg/m³ (calculated (2-(2-Methoxypropoxy)-1-propanol)	
OEL STEL [ppm]	150 ppm (calculated (2-(2-Methoxypropoxy)-1-propanol)	
OEL chemical category	Potential for cutaneous absorption	
Italy - Occupational Exposure Limits		
OEL TWA	308 mg/m³	
OEL TWA [ppm]	50 ppm	
OEL chemical category	skin - potential for cutaneous absorption	
Latvia - Occupational Exposure Limits		
OEL TWA	308 mg/m <sup>3</sup>	

EN (English) 11/29

# Safety Data Sheet

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

Dipropylene glycol monomethyl ether (34590-94-8)		
OEL TWA [ppm]	50 ppm	
OEL chemical category	skin - potential for cutaneous exposure	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	300 mg/m³ (2-(2-Methoxypropoxy)-propanol)	
IPRV (OEL TWA) [ppm]	50 ppm (2-(2-Methoxypropoxy)-propanol)	
TPRV (OEL STEL)	450 mg/m³ (2-(2-Methoxypropoxy)-propanol)	
TPRV (OEL STEL) [ppm]	75 ppm (2-(2-Methoxypropoxy)-propanol)	
OEL chemical category	Skin notation	
Luxembourg - Occupational Exposure Limits		
OEL TWA	308 mg/m³	
OEL TWA [ppm]	50 ppm	
OEL chemical category	Possibility of significant uptake through the skin	
Malta - Occupational Exposure Limits		
OEL TWA	308 mg/m³	
OEL TWA [ppm]	50 ppm	
OEL chemical category	Possibility of significant uptake through the skin	
Netherlands - Occupational Exposure Limits		
TGG-8u (OEL TWA)	300 mg/m³	
TGG-8u (OEL TWA) [ppm]	48.7 ppm	
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	240 mg/m³ (mixture of isomers: 1-(2-Methoxy-1-methylethoxy)propan-2-ol, 1-(2-Methoxy-2-methylethoxy)propan-1-ol)	
NDSCh (OEL STEL)	480 mg/m³ (mixture of isomers: 1-(2-Methoxy-1-methylethoxy)propan-2-ol, 1-(2-Methoxy-2-methylethoxy)propan-2-ol, 2-(2-Methoxy-1-methylethoxy)propan-1-ol)	
Portugal - Occupational Exposure Limits		
OEL TWA	308 mg/m³ (indicative limit value)	
OEL TWA [ppm]	50 ppm (indicative limit value)	
OEL STEL [ppm]	150 ppm	
OEL chemical category	skin - potential for cutaneous exposure indicative limit value	
Romania - Occupational Exposure Limits		
OEL TWA	308 mg/m³	
OEL TWA [ppm]	50 ppm	
OEL chemical category	Skin notation	
Slovakia - Occupational Exposure Limits		
NPHV (OEL TWA) [1]	308 mg/m³	
NPHV (OEL TWA) [2]	50 ppm	
OEL chemical category	Potential for cutaneous absorption	
Slovenia - Occupational Exposure Limits		
OEL TWA	308 mg/m³	
OEL TWA [ppm]	50 ppm	

EN (English) 12/29

# Safety Data Sheet

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

Dipropylene glycol monomethyl ether (34590-94-8)		
OEL STEL	308 mg/m³	
OEL STEL [ppm]	50 ppm	
OEL chemical category	Potential for cutaneous absorption	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA) [1]	308 mg/m³ (indicative limit value)	
VLA-ED (OEL TWA) [2]	50 ppm (indicative limit value)	
OEL chemical category	skin - potential for cutaneous absorption	
Sweden - Occupational Exposure Limits		
NGV (OEL TWA)	300 mg/m³	
NGV (OEL TWA) [ppm]	50 ppm	
KTV (OEL STEL)	450 mg/m³	
KTV (OEL STEL) [ppm]	75 ppm	
OEL chemical category	Skin notation	
United Kingdom - Occupational Exposure Limits		
WEL TWA (OEL TWA) [1]	308 mg/m³	
WEL TWA (OEL TWA) [2]	50 ppm	
WEL STEL (OEL STEL)	924 mg/m³ (calculated)	
WEL STEL (OEL STEL) [ppm]	150 ppm (calculated)	
WEL chemical category	Potential for cutaneous absorption	
Norway - Occupational Exposure Limits		
Grenseverdi (OEL TWA) [1]	300 mg/m³	
Grenseverdi (OEL TWA) [2]	50 ppm	
Korttidsverdi (OEL STEL)	375 mg/m³ (value calculated)	
Korttidsverdi (OEL STEL) [ppm]	75 ppm (value calculated)	
OEL chemical category	Skin notation	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA) [1]	300 mg/m³ (aerosol, vapour)	
MAK (OEL TWA) [2]	50 ppm (aerosol, vapour)	
KZGW (OEL STEL)	300 mg/m³ (aerosol, vapour)	
KZGW (OEL STEL) [ppm]	50 ppm (aerosol, vapour)	
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA [ppm]	50 ppm (Dipropylene glycol methyl ether)	
.alphaPinene (80-56-8)		
Belgium - Occupational Exposure Limits		
OEL TWA [ppm]	20 ppm	
Estonia - Occupational Exposure Limits		
OEL TWA	150 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)	

EN (English) 13/29

# Safety Data Sheet

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

.alphaPinene (80-56-8)		
OEL TWA [ppm]	25 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)	
OEL STEL	300 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)	
OEL STEL [ppm]	50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	150 mg/m³	
IPRV (OEL TWA) [ppm]	25 ppm	
TPRV (OEL STEL)	300 mg/m³	
TPRV (OEL STEL) [ppm]	50 ppm	
Portugal - Occupational Exposure Limits		
OEL TWA [ppm]	20 ppm (Turpentine and selected Monoterpenes)	
OEL chemical category	Sensitizer dermal, A4 - Not Classifiable as a Human Carcinogen	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA) [1]	113 mg/m³	
VLA-ED (OEL TWA) [2]	20 ppm	
OEL chemical category	Sensitizer	
Sweden - Occupational Exposure Limits		
NGV (OEL TWA)	150 mg/m³	
NGV (OEL TWA) [ppm]	25 ppm	
KTV (OEL STEL)	300 mg/m³	
KTV (OEL STEL) [ppm]	50 ppm	
OEL chemical category	Sensitizer	
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	
.betaPinene (127-91-3)		
Belgium - Occupational Exposure Limits		
OEL TWA [ppm]	20 ppm	
Estonia - Occupational Exposure Limits	•	
OEL TWA	150 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)	

EN (English) 14/29

# Safety Data Sheet

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

.betaPinene (127-91-3)			
OEL TWA [ppm]	25 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)		
OEL STEL	300 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)		
OEL STEL [ppm]	50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)		
Lithuania - Occupational Exposure Limits			
IPRV (OEL TWA)	150 mg/m³		
IPRV (OEL TWA) [ppm]	25 ppm		
TPRV (OEL STEL)	300 mg/m³		
TPRV (OEL STEL) [ppm]	50 ppm		
Portugal - Occupational Exposure Limits			
OEL TWA [ppm]	20 ppm (Turpentine and selected Monoterpenes)		
OEL chemical category	Sensitizer dermal, A4 - Not Classifiable as a Human Carcinogen		
Spain - Occupational Exposure Limits			
VLA-ED (OEL TWA) [1]	113 mg/m³		
VLA-ED (OEL TWA) [2]	20 ppm		
OEL chemical category	Sensitizer		
Sweden - Occupational Exposure Limits			
NGV (OEL TWA)	150 mg/m³		
NGV (OEL TWA) [ppm]	25 ppm		
KTV (OEL STEL)	300 mg/m³		
KTV (OEL STEL) [ppm]	50 ppm		
OEL chemical category	Sensitizer		
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)		
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		
decyl alcohol (112-30-1)			
Bulgaria - Occupational Exposure Limits			
OEL TWA	10 mg/m³		
Germany - Occupational Exposure Limits (TRGS 90	Germany - Occupational Exposure Limits (TRGS 900)		
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)		

EN (English) 15/29

# Safety Data Sheet

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

decyl alcohol (112-30-1)			
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 [ppm]	15 ppm		
OEL STEL	200 mg/m³		
OEL STEL [ppm]	30 ppm		
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)		
Isoamyl acetate (123-92-2)			
EU - Indicative Occupational Exposure Limit (IOEL)			
IOEL TWA	270 mg/m³		
IOEL TWA [ppm]	50 ppm		
IOEL STEL	540 mg/m³		
IOEL STEL [ppm]	100 ppm		
Austria - Occupational Exposure Limits			
MAK (OEL TWA)	270 mg/m³ (Pentyl acetate (all isomers))		
MAK (OEL TWA) [ppm]	50 ppm (Pentyl acetate (all isomers))		
MAK (OEL STEL)	540 mg/m³ (Pentylacetate)		
MAK (OEL STEL) [ppm]	100 ppm (Pentylacetate)		
Belgium - Occupational Exposure Limits			
OEL TWA	270 mg/m³		
OEL TWA [ppm]	50 ppm		
OEL STEL	540 mg/m³		
OEL STEL [ppm]	100 ppm		
Bulgaria - Occupational Exposure Limits			
OEL TWA	270 mg/m³		
OEL TWA [ppm]	50 ppm		
OEL STEL	540 mg/m³		
OEL STEL [ppm]	100 ppm		
Croatia - Occupational Exposure Limits	Croatia - Occupational Exposure Limits		
GVI (OEL TWA) [1]	270 mg/m³		
GVI (OEL TWA) [2]	50 ppm		
KGVI (OEL STEL)	540 mg/m³		

EN (English) 16/29

# Safety Data Sheet

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

Isoamyl acetate (123-92-2)		
KGVI (OEL STEL) [ppm]	100 ppm	
Cyprus - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
OEL TWA [ppm]	50 ppm	
OEL STEL	540 mg/m³	
OEL STEL [ppm]	100 ppm	
Denmark - Occupational Exposure Limits		
OEL TWA [1]	271 mg/m³ (Amyl acetate, all isomers)	
OEL TWA [2]	50 ppm (Amyl acetate, all isomers)	
OEL STEL	540 mg/m³	
OEL STEL [ppm]	100 ppm	
Estonia - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
OEL TWA [ppm]	50 ppm	
OEL STEL	540 mg/m³	
OEL STEL [ppm]	100 ppm	
Finland - Occupational Exposure Limits		
HTP (OEL TWA) [1]	270 mg/m³ (Pentyl acetate)	
HTP (OEL TWA) [2]	50 ppm (Pentyl acetate)	
HTP (OEL STEL)	540 mg/m³	
HTP (OEL STEL) [ppm]	100 ppm	
France - Occupational Exposure Limits		
VME (OEL TWA)	270 mg/m³ (restrictive limit)	
VME (OEL TWA) [ppm]	50 ppm (restrictive limit)	
VLE (OEL C/STEL)	540 mg/m³ (restrictive limit)	
VLE (OEL C/STEL) [ppm]	100 ppm (restrictive limit)	
Germany - Occupational Exposure Limits (TRGS 90	0)	
AGW (OEL TWA) [1]	270 mg/m³	
AGW (OEL TWA) [2]	50 ppm	
Gibraltar - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
OEL TWA [ppm]	50 ppm	
OEL STEL	540 mg/m³	
OEL STEL [ppm]	100 ppm	
Greece - Occupational Exposure Limits		
OEL TWA	530 mg/m³	
OEL TWA [ppm]	100 ppm	
OEL STEL	800 mg/m³	
OEL STEL [ppm]	150 ppm	

EN (English) 17/29

# Safety Data Sheet

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

Isoamyl acetate (123-92-2)			
Hungary - Occupational Exposure Limits			
AK (OEL TWA)	270 mg/m³		
CK (OEL STEL)	540 mg/m³		
Ireland - Occupational Exposure Limits			
OEL TWA [1]	260 mg/m³		
OEL TWA [2]	50 ppm		
OEL STEL	520 mg/m³		
OEL STEL [ppm]	100 ppm		
Italy - Occupational Exposure Limits			
OEL TWA	270 mg/m³		
OEL TWA [ppm]	50 ppm		
OEL STEL	540 mg/m³		
OEL STEL [ppm]	100 ppm		
Latvia - Occupational Exposure Limits			
OEL TWA	270 mg/m³		
OEL TWA [ppm]	50 ppm		
Lithuania - Occupational Exposure Limits			
IPRV (OEL TWA)	270 mg/m³		
IPRV (OEL TWA) [ppm]	50 ppm		
TPRV (OEL STEL)	540 mg/m³		
TPRV (OEL STEL) [ppm]	100 ppm		
Luxembourg - Occupational Exposure Limits			
OEL TWA	270 mg/m³		
OEL TWA [ppm]	50 ppm		
OEL STEL	540 mg/m³		
OEL STEL [ppm]	100 ppm		
Malta - Occupational Exposure Limits			
OEL TWA	270 mg/m³		
OEL TWA [ppm]	50 ppm		
OEL STEL	540 mg/m³		
OEL STEL [ppm]	100 ppm		
Netherlands - Occupational Exposure Limits			
TGG-15min (OEL STEL)	530 mg/m³		
TGG-15min (OEL STEL) [ppm]	98.1 ppm		
Poland - Occupational Exposure Limits	Poland - Occupational Exposure Limits		
NDS (OEL TWA)	250 mg/m³		
NDSCh (OEL STEL)	500 mg/m³		
Portugal - Occupational Exposure Limits			
OEL TWA	270 mg/m³ (indicative limit value)		

EN (English) 18/29

# Safety Data Sheet

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

Isoamyl acetate (123-92-2)		
OEL TWA [ppm]	50 ppm (indicative limit value (Pentyl acetate, all isomers)	
OEL STEL	540 mg/m³ (indicative limit value)	
OEL STEL [ppm]	100 ppm (indicative limit value)	
Romania - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
OEL TWA [ppm]	50 ppm	
OEL STEL	540 mg/m³	
OEL STEL [ppm]	100 ppm	
Slovakia - Occupational Exposure Limits		
NPHV (OEL TWA) [1]	270 mg/m³	
NPHV (OEL TWA) [2]	50 ppm	
NPHV (OEL C)	540 mg/m³	
Slovenia - Occupational Exposure Limits		
OEL TWA	270 mg/m³	
OEL TWA [ppm]	50 ppm	
OEL STEL	540 mg/m³	
OEL STEL [ppm]	100 ppm	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA) [1]	270 mg/m³ (indicative limit value)	
VLA-ED (OEL TWA) [2]	50 ppm (indicative limit value)	
VLA-EC (OEL STEL)	540 mg/m³	
VLA-EC (OEL STEL) [ppm]	100 ppm	
Sweden - Occupational Exposure Limits		
NGV (OEL TWA)	270 mg/m³ (Pentyl acetates)	
NGV (OEL TWA) [ppm]	50 ppm (Pentyl acetates)	
KTV (OEL STEL)	540 mg/m³ (Pentyl acetates)	
KTV (OEL STEL) [ppm]	100 ppm (Pentyl acetates)	
Norway - Occupational Exposure Limits		
Grenseverdi (OEL TWA) [1]	260 mg/m³	
Grenseverdi (OEL TWA) [2]	50 ppm	
Korttidsverdi (OEL STEL)	325 mg/m³ (value calculated)	
Korttidsverdi (OEL STEL) [ppm]	75 ppm (value calculated)	
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA [ppm]	50 ppm (Pentyl acetate, all isomers)	
ACGIH OEL STEL [ppm]	100 ppm (Pentyl acetate, all isomers)	

## 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

EN (English) 19/29

### Safety Data Sheet

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

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

No additional information available

#### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

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



#### 8.2.2.1. Eye and face protection

#### Eye protection:

Chemical goggles or safety glasses

#### 8.2.2.2. Skin protection

#### Hand protection:

Wear protective gloves.

#### 8.2.2.3. Respiratory protection

#### Respiratory protection:

Wear appropriate mask

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

#### Other information:

Physical state

Do not eat, drink or smoke during use.

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

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

: Liquid

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

: No data available Auto-ignition temperature : No data available Decomposition temperature Flammability (solid, gas) : Non flammable. Vapour pressure : No data available Relative vapour density at 20°C : No data available Relative density : No data available Solubility : No data available Partition coefficient n-octanol/water (Log Pow) : No data available

EN (English) 20/29

## Safety Data Sheet

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

Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

#### 9.2. Other information

No additional information available

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

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

#### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

## **SECTION 11: Toxicological information**

## 11.1 Information on toxicological effects

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

Hexyl cinnamic aldehyde (101-86-0)		
LD50 oral rat	3100 mg/kg (Source: NLM_CIP)	
LD50 oral	3100 mg/kg bodyweight	
LD50 dermal rabbit	> 3000 mg/kg (Source: EPA_HPV)	
LC50 Inhalation - Rat	> 5 mg/l/4h	
Eucalyptus oil (8000-48-4)		
LD50 oral rat	2480 mg/kg (Source: NLM_CIP)	
Benzyl salicylate (118-58-1)		
LD50 oral rat	2227 mg/kg (Source: NLM_CIP)	
LD50 oral	2200 mg/kg bodyweight	
LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)	
Orange oil (8008-57-9)		
LD50 oral rat	4400 mg/kg (Source: NZ_CCID)	

EN (English) 21/29

# Safety Data Sheet

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

Orange oil (8008-57-9)		
LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)	
Citral (5392-40-5)		
LD50 oral rat	4960 mg/kg (Source: NLM_CIP)	
LD50 dermal rabbit	2250 mg/kg (Source: NLM_CIP)	
Camphor (76-22-2)		
LD50 oral	1500 mg/kg bodyweight	
LD50 dermal rat	> 2000 mg/kg (Source: ECHA_API)	
LC50 Inhalation - Rat (Dust/Mist)	1.5 mg/l/4h	
Ethyl acetoacetate (141-97-9)		
LD50 oral rat	3980 mg/kg (Source: NLM_CIP)	
LD50 dermal rabbit	> 5000 mg/kg (Source: NLM_CIP)	
1,2-Propanediol (57-55-6)		
LD50 oral rat	20 g/kg (Source: NLM_CIP)	
LD50 dermal rabbit	20800 mg/kg (Source: NLM_CIP)	
Benzyl alcohol (100-51-6)		
LD50 oral rat	1230 mg/kg (Source: NLM_CIP)	
LD50 oral	1620 mg/kg bodyweight	
LD50 dermal	2500 mg/kg bodyweight	
Benzyl acetate (140-11-4)		
LD50 oral rat	2490 mg/kg (Source: JAPAN_GHS)	
LD50 oral	2490 mg/kg bodyweight	
LD50 dermal rabbit	> 5000 mg/kg (Source: JAPAN_GHS)	
Dipropylene glycol monomethyl ether (34590-	94-8)	
LD50 oral rat	5.35 g/kg (Source: NLM_HSDB)	
LD50 dermal rabbit	9500 mg/kg (Source: NLM_CIP)	
.alphaPinene (80-56-8)		
LD50 oral rat	3700 mg/kg (Source: NLM_CIP)	
LD50 oral	500 mg/kg bodyweight	
LD50 dermal rat	> 5000 mg/kg (Source: CHEMVIEW)	
.betaPinene (127-91-3)		
LD50 oral rat	> 5000 mg/kg (Source: EPA_HPV)	
LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)	
decyl alcohol (112-30-1)		
LD50 oral rat	4720 mg/kg (Source: NZ_CCID)	
LD50 dermal rabbit	3560 mg/kg (Source: NLM_CIP)	
Additional information :	Not classified Based on available data, the classification criteria are not met Not classified	

EN (English) 22/29

### Safety Data Sheet

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

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

Respiratory or skin sensitisation : Not classified

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

Germ cell mutagenicity : Not classified

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

Carcinogenicity : Not classified

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

Benzyl acetate (140-11-4)

IARC group 3 - Not classifiable

Reproductive toxicity : Not classified

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

STOT-single exposure : Not classified

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

**Camphor (76-22-2)** 

STOT-single exposure May cause damage to organs.

STOT-repeated exposure : Not classified

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

Aspiration hazard : Not classified

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

Orange oil (8008-57-9)

Hydrocarbon Yes

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

symptoms

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

#### 12.1. Toxicity

Hazardous to the aquatic environment, short–term : Not classified

(acute)

Hazardous to the aquatic environment, long-term : Harmful to aquatic life with long lasting effects.

(chronic)

Benzyl salicylate (118-58-1)		
LC50 - Fish [1]	1.03 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)	
Citral (5392-40-5)		
EC50 - Crustacea [1]	7 mg/l (Exposure time: 48 h - Species: Daphnia magna)	
EC50 72h - Algae [1]	16 mg/l (Species: Desmodesmus subspicatus)	
EC50 96h - Algae [1]	19 mg/l (Species: Desmodesmus subspicatus)	
Ethyl acetoacetate (141-97-9)		
LC50 - Fish [1]	298 mg/l (Exposure time: 96 h - Species: Pimephales promelas Source: IUCLID)	
LC50 - Fish [2]	290 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: IUCLID)	
EC50 - Crustacea [1]	646 mg/l (Exposure time: 48 h - Species: Daphnia magna)	
EC50 72h - Algae [1]	> 500 mg/l (Species: Desmodesmus subspicatus)	
1,2-Propanediol (57-55-6)		
LC50 - Fish [1]	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: IUCLID)	
LC50 - Fish [2]	41 – 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: EPA)	
EC50 - Crustacea [1]	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])	

EN (English) 23/29

# Safety Data Sheet

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

1,2-Propanediol (57-55-6)		
EC50 96h - Algae [1]	19000 mg/l (Species: Pseudokirchneriella subcapitata)	
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)	
Dipropylene glycol monomethyl ether (34590-	94-8)	
LC50 - Fish [1]	> 10000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])	
EC50 - Crustacea [1]	1919 mg/l (Exposure time: 48 h - Species: Daphnia magna)	
.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)	
decyl alcohol (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)	
12.2. Persistence and degradability		
TRANQUIL BLUE LOTUS CC-16312 5%		
Persistence and degradability	Not established.	
Eucalyptus oil (8000-48-4)		
Persistence and degradability	Not established.	
12.3. Bioaccumulative potential		
TRANQUIL BLUE LOTUS CC-16312 5%		
Bioaccumulative potential	Not established.	
Eucalyptus oil (8000-48-4)		
Bioaccumulative potential	Not established.	
Benzyl salicylate (118-58-1)		
Partition coefficient n-octanol/water (Log Pow)	4	
Citral (5392-40-5)		
Partition coefficient n-octanol/water (Log Pow)	2.76 (at 25 °C)	
Camphor (76-22-2)		
Partition coefficient n-octanol/water (Log Pow)	2.414 (at 25 °C)	
Ethyl acetoacetate (141-97-9)		
Partition coefficient n-octanol/water (Log Pow)	0.8 (at 20 °C)	

EN (English) 24/29

## Safety Data Sheet

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

1,2-Propanediol (57-55-6)			
BCF - Fish [1]	(1 dimensionless)		
Partition coefficient n-octanol/water (Log Pow)	-1.07 (at 20.5 °C (at pH >=6.2-<=6.4)		
Benzyl alcohol (100-51-6)			
Partition coefficient n-octanol/water (Log Pow)	1.05		
Benzyl acetate (140-11-4)			
Partition coefficient n-octanol/water (Log Pow)	1.96 (at 25 °C (at pH 7)		
Dipropylene glycol monomethyl ether (34590-	Dipropylene glycol monomethyl ether (34590-94-8)		
Partition coefficient n-octanol/water (Log Pow)	0.35 (at 25 °C (at pH 7)		
.alphaPinene (80-56-8)	.alphaPinene (80-56-8)		
Partition coefficient n-octanol/water (Log Pow)	4.1		
decyl alcohol (112-30-1)			
Partition coefficient n-octanol/water (Log Pow)	4.5 (at 25 °C (at pH 6)		
Isoamyl acetate (123-92-2)			
Partition coefficient n-octanol/water (Log Pow)	2.7 (at 35 °C)		

#### 12.4. Mobility in soil

No additional information available

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

No additional information available

### 12.6. Other adverse effects

Additional information : Avoid release to the environment.

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

#### 13.1. Waste treatment methods

Product/Packaging disposal recommendations Ecology - waste materials **HP** Code

- : 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;

: Dispose in a safe manner in accordance with local/national regulations.

- flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;
- flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;
- flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;
- water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;
- other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.

HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

## **SECTION 14: Transport information**

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

EN (English) 25/29

## Safety Data Sheet

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

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

## 14.6. Special precautions for user

#### **Overland transport**

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

### Inland waterway transport

Not applicable

#### Rail transport

Not applicable

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

Not applicable

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

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

### 15.1.1. EU-Regulations

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

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(a)	Eucalyptus oil ; Orange oil ; .alphaPinene ; .betaPinene ; Isoamyl acetate	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)	Hexyl cinnamic aldehyde; lso E Super; Eucalyptus oil; Benzyl salicylate; Orange oil; Citral; Benzyl alcohol	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

EN (English) 26/29

### Safety Data Sheet

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

EU restriction list (R	EU restriction list (REACH Annex XVII)				
Reference code	Applicable on	Entry title or description			
3(c)	TRANQUIL BLUE LOTUS CC-16312 5%; Hexyl cinnamic aldehyde; Iso E Super; Eucalyptus oil; Benzyl salicylate; Orange oil; Benzyl acetate; decyl alcohol	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1			
40.	Eucalyptus oil ; Orange oil ; Camphor ; .alpha Pinene ; .betaPinene ; Isoamyl acetate	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.			

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

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

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

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

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

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

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

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

#### Ozone Regulation (1005/2009)

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

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

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

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

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

#### 15.1.2. National regulations

#### France

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

#### **Germany**

Water hazard class (WGK) : 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 12 - Not-combustible inquid

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 : LGK 1, LGK 6.2, LGK 7.

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

EN (English) 27/29

### Safety Data Sheet

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

: LGK 2A, LGK 2B, LGK 3, LGK 4.1B, LGK 4.2, LGK 5.1A, LGK 5.1B, LGK 5.2, LGK 6.1A, Joint storage permitted for

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

**Netherlands** 

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

environment

SZW-lijst van kankerverwekkende stoffen : Eucalyptus oil,Orange oil are listed SZW-lijst van mutagene stoffen : Eucalyptus oil, Orange oil are listed SZW-lijst van reprotoxische stoffen - Borstvoeding : None of the components are listed : None of the components are listed

SZW-lijst van reprotoxische stoffen -

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen - Ontwikkeling

: None of the components are listed

**Denmark** 

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed **Danish National Regulations** 

Pregnant/breastfeeding women working with the product must not be in direct contact with

the product

**Switzerland** 

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

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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

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

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

amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:			
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4		
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4		
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4		
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1		
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1		
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2		
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3		
Asp. Tox. 1	Aspiration hazard, Category 1		
EUH208	Contains Hexyl cinnamic aldehyde, Iso E Super, Eucalyptus oil, Benzyl salicylate, Orange oil . 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		
Flam. Sol. 2	Flammable solids, Category 2		
H226	Flammable liquid and vapour.		
H228	Flammable solid.		

EN (English) 28/29

## Safety Data Sheet

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

Full text of H- and EUH-statements:		
H302	Harmful if swallowed.	
H304	May be fatal if swallowed and enters airways.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H332	Harmful if inhaled.	
H371	May cause damage to organs.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H411	Toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1	Skin sensitisation, Category 1	
Skin Sens. 1B	Skin sensitisation, category 1B	
STOT SE 2	Specific target organ toxicity – Single exposure, Category 2	

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.

EN (English) 29/29