## 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 : BERGAMOT TEA at 25%
Product code : CC-16318\_25%
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]

Skin sensitisation, Category 1 H317
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]

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning

Contains : Hexyl cinnamic aldehyde; Linalyl acetate; Linalool; Lemon terpenes; Iso E Super; Orange oil

; Hydroxy; d-Limonene; Triplal (Vertocitral)

Hazard statements (CLP) : H317 - May cause an allergic skin reaction.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 - Contaminated work clothing should not be allowed out of the workplace.

EN (English) 1/21

## Safety Data Sheet

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

P273 - Avoid release to the environment.

P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing

protection.

P302+P352 - IF ON SKIN: Wash with plenty of water.

P321 - Specific treatment (see supplemental first aid instruction on this label).

Extra phrases : For professional users only.

#### 2.3. Other hazards

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

## 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	2.1 – 4.1875	Skin Sens. 1, H317 Aquatic Chronic 2, H411
2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol	CAS-No.: 63500-71-0 EC-No.: 405-040-6 EC Index-No.: 603-101-00-3 REACH-no: 01-000015458-64	1.4375 – 3.25	Eye Irrit. 2, H319
Linalyl acetate	CAS-No.: 115-95-7 EC-No.: 204-116-4 REACH-no: 01-2119454789- 19	1.6 – 3.200625	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
Linalool	CAS-No.: 78-70-6 EC-No.: 201-134-4 EC Index-No.: 603-235-00-2 REACH-no: 01-2119474016-	0.75 – 1.501375	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Lemon terpenes	CAS-No.: 68917-33-9 EC-No.: 284-515-8	0.575 – 1.125	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Iso E Super	CAS-No.: 54464-57-2 EC-No.: 259-174-3 REACH-no: 01-2119489989- 04	0.45 – 0.875	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 1, H410
Sandela	CAS-No.: 66068-84-6 EC-No.: 266-100-3	0.325 – 0.65	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Orange oil	CAS-No.: 8008-57-9 EC-No.: 232-433-8 REACH-no: 01-2119493353- 35	0.2 – 0.41845	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 2, H411

EN (English) 2/21

## 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]
Hydroxy	CAS-No.: 107-75-5 EC-No.: 203-518-7 REACH-no: 01-2119973482- 31	0.2 – 0.4	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	0.15 – 0.3	Aquatic Chronic 3, H412
d-Limonene substance with national workplace exposure limit(s) (DE, ES, FI, SI, NO, CH)	CAS-No.: 5989-27-5 EC-No.: 205-341-0 EC Index-No.: 601-096-00-2 REACH-no: 01-2119493353- 35	0.15 – 0.2904	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
Triplal (Vertocitral)	CAS-No.: 68039-49-6 EC-No.: 268-264-1	0.125 – 0.225	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412
Phenoxyethanol substance with national workplace exposure limit(s) (AT, DE, FI, PL, SI, CH)	CAS-No.: 122-99-6 EC-No.: 204-589-7 EC Index-No.: 603-098-00-9 REACH-no: 01-2119488943- 21	0.075 – 0.137500312 5	Acute Tox. 4 (Oral), H302 STOT SE 3, H335 Eye Dam. 1, H318
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	0.012 – 0.06	Not classified
Dipentene substance with national workplace exposure limit(s) (EE, LT, SE, NO)	CAS-No.: 138-86-3	0.025 – 0.03135	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
.alphaPinene substance with national workplace exposure limit(s) (BE, EE, ES, LT, PT, SE, NO)	CAS-No.: 80-56-8 EC-No.: 201-291-9	0 – 0.01155	Flam. Liq. 3, H226
Citral substance with national workplace exposure limit(s) (BE, ES, IE, PL, PT)	CAS-No.: 5392-40-5 EC-No.: 226-394-6 EC Index-No.: 605-019-00-3 REACH-no: 01-2119462829- 23	0 – 0.004125	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
Glycerine substance with national workplace exposure limit(s) (BE, CZ, DE, EE, ES, FI, FR, GB, GR, HR, PL, PT, SI, SK, CH)	CAS-No.: 56-81-5 EC-No.: 200-289-5	0.00005 – 0.000315	Not classified

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

EN (English) 3/21

#### Safety Data Sheet

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

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

#### 4.1. Description of first aid measures

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

advice (show the label where possible).

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

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

followed by warm water rinse.

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

persists.

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

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

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

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

No additional information available

## **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

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

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

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

No additional information available

#### 5.3. Advice for firefighters

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

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

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

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

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

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

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

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

Collect spillage. Store away from other materials.

#### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

EN (English) 4/21

## Safety Data Sheet

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

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

## 7.1. Precautions for safe handling

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

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

formation of vapour.

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

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

container closed when not in use.

Incompatible products : Strong bases. Strong acids. Incompatible materials : Sources of ignition. Direct sunlight.

## 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

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	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		

EN (English) 5/21

## Safety Data Sheet

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

Benzyl acetate (140-11-4)		
Spain - Occupational Exposure Limits		
	62 mg/m³	
VLA-ED (OEL TWA) [2]	10 ppm	
USA - ACGIH - Occupational Exposure Limits	To ppin	
ACGIH OEL TWA [ppm]	10 ppm	
	Not Classifiable as a Human Carcinogen	
ACGIH chemical category	Not Classifiable as a Huffair Carciflogeri	
d-Limonene (5989-27-5) Finland - Occupational Exposure Limits		
-	440/3	
HTP (OEL TWA) [1]	140 mg/m³	
	25 ppm	
` '	280 mg/m³	
, , , , , ,	50 ppm	
Germany - Occupational Exposure Limits (TRGS 900	0)	
	28 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)	
AGW (OEL TWA) [2]	5 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)	
Chemical category	Skin notation, Skin sensitization	
Slovenia - Occupational Exposure Limits		
OEL TWA	28 mg/m³	
OEL TWA [ppm]	5 ppm	
OEL STEL	112 mg/m³	
OEL STEL [ppm]	20 ppm	
OEL chemical category	Potential for cutaneous absorption	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA) [1]	168 mg/m³	
VLA-ED (OEL TWA) [2]	30 ppm	
OEL chemical category	Sensitizer, skin - potential for cutaneous absorption	
Norway - Occupational Exposure Limits		
Grenseverdi (OEL TWA) [1]	140 mg/m³	
Grenseverdi (OEL TWA) [2]	25 ppm	
Korttidsverdi (OEL STEL)	175 mg/m³ (value calculated)	
Korttidsverdi (OEL STEL) [ppm]	37.5 ppm (value calculated)	
OEL chemical category	Allergenic substance	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA) [1] 40 mg/m <sup>3</sup>		
MAK (OEL TWA) [2]	7 ppm	
KZGW (OEL STEL)	80 mg/m³	

EN (English) 6/21

## Safety Data Sheet

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

d-Limonene (5989-27-5)		
OEL chemical category	Sensitizer	
Phenoxyethanol (122-99-6)		
Austria - Occupational Exposure Limits		
MAK (OEL TWA)	110 mg/m³	
MAK (OEL TWA) [ppm]	20 ppm	
MAK (OEL STEL)	110 mg/m³	
MAK (OEL STEL) [ppm]	20 ppm	
OEL C	110 mg/m³	
OEL C [ppm]	20 ppm	
Finland - Occupational Exposure Limits		
HTP (OEL TWA) [1]	110 mg/m³	
HTP (OEL TWA) [2]	20 ppm	
HTP (OEL STEL)	290 mg/m³	
HTP (OEL STEL) [ppm]	50 ppm	
OEL chemical category	Potential for cutaneous absorption	
Germany - Occupational Exposure Limits (TRGS 90	0)	
AGW (OEL TWA) [1]	5.7 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]	1 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)	
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	230 mg/m³	
Slovenia - Occupational Exposure Limits		
OEL TWA	5.7 mg/m³	
OEL TWA [ppm]	1 ppm	
OEL STEL	5.7 mg/m³	
OEL STEL [ppm]	1 ppm	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA) [1]	110 mg/m³ (aerosol, vapour)	
MAK (OEL TWA) [2]	20 ppm (aerosol, vapour)	
KZGW (OEL STEL)	110 mg/m³ (aerosol, vapour)	
KZGW (OEL STEL) [ppm]	20 ppm (aerosol, vapour)	
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)	

EN (English) 7/21

## 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 TWA [2]	150 ppm (total vapour and particulates)	
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)	
Glycerine (56-81-5)		
Belgium - Occupational Exposure Limits		
OEL TWA	10 mg/m³ (mist)	
Croatia - Occupational Exposure Limits		
GVI (OEL TWA) [1]	10 mg/m³	
Czech Republic - Occupational Exposure Limits		
PEL (OEL TWA)	10 mg/m³	
Estonia - Occupational Exposure Limits		
OEL TWA	10 mg/m³	
Finland - Occupational Exposure Limits		
HTP (OEL TWA) [1]	20 mg/m³	
France - Occupational Exposure Limits		
VME (OEL TWA)	10 mg/m³ (aerosol)	
Germany - Occupational Exposure Limits (TRGS 900)		
AGW (OEL TWA) [1]	200 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-inhalable fraction)	
Greece - Occupational Exposure Limits		
OEL TWA	10 mg/m³	

EN (English) 8/21

## Safety Data Sheet

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

Glycerine (56-81-5)		
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	10 mg/m³ (inhalable fraction)	
Portugal - Occupational Exposure Limits		
OEL TWA	10 mg/m³ (mist)	
Slovakia - Occupational Exposure Limits		
NPHV (OEL TWA) [1]	11 mg/m³	
Slovenia - Occupational Exposure Limits		
OEL TWA	200 mg/m³ (inhalable fraction)	
OEL STEL	400 mg/m³ (inhalable fraction)	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA) [1]	10 mg/m³ (mist)	
United Kingdom - Occupational Exposure Limits		
WEL TWA (OEL TWA) [1]	10 mg/m³ (mist)	
WEL STEL (OEL STEL)	30 mg/m³ (calculated-mist)	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA) [1]	50 mg/m³ (inhalable dust)	
KZGW (OEL STEL)	100 mg/m³ (inhalable dust)	
Dipentene (138-86-3)		
Estonia - Occupational Exposure Limits		
OEL TWA	150 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)	
OEL TWA [ppm]	25 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)	
OEL STEL	300 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)	
OEL STEL [ppm]	50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	150 mg/m³	
IPRV (OEL TWA) [ppm]	25 ppm	
TPRV (OEL STEL)	300 mg/m³	
TPRV (OEL STEL) [ppm]	50 ppm	
OEL chemical category	Sensitizer coniferous resin sensitizes the skin	
Sweden - Occupational Exposure Limits		
NGV (OEL TWA)	150 mg/m³	
NGV (OEL TWA) [ppm]	25 ppm	
KTV (OEL STEL)	300 mg/m³	
KTV (OEL STEL) [ppm]	50 ppm	
OEL chemical category	Sensitizer	
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EN (English) 9/21

## Safety Data Sheet

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

according to regulation (EO) No. 1507/2000 (REXOT) With its discriminant regulation (EO) 2020/070			
Dipentene (138-86-3)	Dipentene (138-86-3)		
Norway - Occupational Exposure Limits			
Grenseverdi (OEL TWA) [1]	140 mg/m³		
Grenseverdi (OEL TWA) [2]	25 ppm		
Korttidsverdi (OEL STEL)	175 mg/m³ (value calculated)		
Korttidsverdi (OEL STEL) [ppm]	37.5 ppm (value calculated)		
OEL chemical category	Allergenic substance		
.alphaPinene (80-56-8)			
Belgium - Occupational Exposure Limits			
OEL TWA [ppm]	20 ppm		
Estonia - Occupational Exposure Limits			
OEL TWA	150 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)		
OEL TWA [ppm]	25 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)		
OEL STEL	300 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)		
OEL STEL [ppm]	50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)		
Lithuania - Occupational Exposure Limits			
IPRV (OEL TWA)	150 mg/m³		
IPRV (OEL TWA) [ppm]	25 ppm		
TPRV (OEL STEL)	300 mg/m³		
TPRV (OEL STEL) [ppm]	50 ppm		
Portugal - Occupational Exposure Limits			
OEL TWA [ppm]	20 ppm (Turpentine and selected Monoterpenes)		
OEL chemical category	Sensitizer dermal, A4 - Not Classifiable as a Human Carcinogen		
Spain - Occupational Exposure Limits			
VLA-ED (OEL TWA) [1]	113 mg/m³		
VLA-ED (OEL TWA) [2]	20 ppm		
OEL chemical category	Sensitizer		
Sweden - Occupational Exposure Limits			
NGV (OEL TWA)	150 mg/m³		
NGV (OEL TWA) [ppm]	25 ppm		
KTV (OEL STEL)	300 mg/m³		
KTV (OEL STEL) [ppm]	50 ppm		
OEL chemical category	Sensitizer		
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)		

EN (English) 10/21

## Safety Data Sheet

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

.alphaPinene (80-56-8)		
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	
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/m³	
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	

#### 8.1.2. Recommended monitoring procedures

No additional information available

## 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

## 8.2.1. Appropriate engineering controls

No additional information available

#### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

EN (English) 11/21

#### Safety Data Sheet

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

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



#### 8.2.2.1. Eye and face protection

#### Eye protection:

Chemical goggles or safety glasses

#### 8.2.2.2. Skin protection

#### Hand protection:

Wear protective gloves.

#### 8.2.2.3. Respiratory protection

#### Respiratory protection:

Wear appropriate mask

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

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

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

: No data available

No data available

9.2. Other information

Oxidising properties

**Explosive limits** 

No additional information available

EN (English) 12/21

## Safety Data Sheet

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

## **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	
Linalyl acetate (115-95-7)		
LD50 oral rat	14550 mg/kg (Source: EPA_HPV)	
LD50 dermal rabbit	> 5000 mg/kg (Source: EPA_HPV)	
2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol (63500-71-0)		
LD50 dermal rabbit	> 2000 mg/kg (Source: ECHA_API)	
Linalool (78-70-6)		
LD50 oral	2790 mg/kg bodyweight	
Sandela (66068-84-6)		
LD50 dermal rat	> 2000 mg/kg (Source: ECHA_API)	
LC50 Inhalation - Rat	> 5.27 mg/l/4h	
Orange oil (8008-57-9)		
LD50 oral rat	4400 mg/kg (Source: NZ_CCID)	
LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)	

EN (English) 13/21

## Safety Data Sheet

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

Hydroxy (107-75-5)		
LD50 oral rat	> 5 g/kg (Source: NLM_CIP)	
LD50 dermal rabbit	> 2000 mg/kg (Source: ECHA_API)	
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)	
d-Limonene (5989-27-5)		
LD50 oral rat	4400 mg/kg (Source: CHEMVIEW)	
LD50 dermal rabbit	> 5 g/kg (Source: CHEMVIEW)	
Triplal (Vertocitral) (68039-49-6)		
LD50 oral	3900 mg/kg bodyweight	
Phenoxyethanol (122-99-6)		
LD50 oral rat	1850 mg/kg (Source: EU_CLH)	
LD50 oral	1394 mg/kg bodyweight	
LD50 dermal rabbit	5 ml/kg (Source: NLM_CIP)	
LC50 Inhalation - Rat	> 0.057 mg/l (Exposure time: 8 h Source: EU_CLH)	
1,2-Propanediol (57-55-6)		
LD50 oral rat	20 g/kg (Source: NLM_CIP)	
LD50 dermal rabbit	20800 mg/kg (Source: NLM_CIP)	
Glycerine (56-81-5)		
LD50 oral rat	12600 mg/kg (Source: NLM_CIP)	
LD50 dermal rabbit	> 10 g/kg (Source: NLM_CIP)	
LC50 Inhalation - Rat	> 2.75 mg/l/4h	
Dipentene (138-86-3)		
LD50 oral rat	5300 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)	
Citral (5392-40-5)		
LD50 oral rat	4960 mg/kg (Source: NLM_CIP)	
LD50 dermal rabbit	2250 mg/kg (Source: NLM_CIP)	
	Not classified Based on available data, the classification criteria are not met	
	Not classified	
· · ·	Based on available data, the classification criteria are not met	
	May cause an allergic skin reaction.	
	Based on available data, the classification criteria are not met  Not classified	
	Based on available data, the classification criteria are not met	

EN (English) 14/21

## Safety Data Sheet

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

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

d-Limonene (5989-27-5)

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

Phenoxyethanol (122-99-6)

STOT-single exposure May cause respiratory irritation.

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)

Linalyl acetate (115-95-7)		
LC50 - Fish [1]	11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA)	
Linalool (78-70-6)		
EC50 96h - Algae [1]	88.3 mg/l (Species: Desmodesmus subspicatus)	
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)	
Phenoxyethanol (122-99-6)		
LC50 - Fish [1]	337 – 352 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)	
LC50 - Fish [2]	366 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: IUCLID)	
EC50 - Crustacea [1]	> 500 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)	

EN (English) 15/21

## 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 - Crustacea [1]	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
EC50 96h - Algae [1]	19000 mg/l (Species: Pseudokirchneriella subcapitata)
Glycerine (56-81-5)	
LC50 - Fish [1]	54 g/l (Exposure time: 96 h -ECHA db)
.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)
Citral (5392-40-5)	
EC50 - Crustacea [1]	7 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	16 mg/l (Species: Desmodesmus subspicatus)
EC50 96h - Algae [1]	19 mg/l (Species: Desmodesmus subspicatus)

## 12.2. Persistence and degradability

BERGAMOT TEA CC-16318 25%	
Persistence and degradability	Not established.

## 12.3. Bioaccumulative potential

BERGAMOT TEA CC-16318 25%		
Bioaccumulative potential	Not established.	
Linalyl acetate (115-95-7)		
Partition coefficient n-octanol/water (Log Pow)	3.9 (at 25 °C)	
2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol (6	63500-71-0)	
Partition coefficient n-octanol/water (Log Pow)	1.65 (at 23 °C (at pH >6.09-<6.74)	
Hydroxy (107-75-5)		
Partition coefficient n-octanol/water (Log Pow)	1.68 (at 25 °C)	
Benzyl acetate (140-11-4)		
Partition coefficient n-octanol/water (Log Pow)	1.96 (at 25 °C (at pH 7)	
d-Limonene (5989-27-5)		
Partition coefficient n-octanol/water (Log Pow)	4.38 (at 37 °C (at pH 7.2)	
Phenoxyethanol (122-99-6)		
Partition coefficient n-octanol/water (Log Pow)	1.107	
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)	
Glycerine (56-81-5)		
BCF - Fish [1]	(no bioaccumulation)	
Partition coefficient n-octanol/water (Log Pow)	-1.75 (at 25 °C (at pH 7.4)	

EN (English) 16/21

#### Safety Data Sheet

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

.alphaPinene (80-56-8)	
Partition coefficient n-octanol/water (Log Pow)	4.1
Citral (5392-40-5)	
Partition coefficient n-octanol/water (Log Pow)	2.76 (at 25 °C)

#### 12.4. Mobility in soil

No additional information available

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

No additional information available

#### 12.6. 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 : 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  $^{\circ}\text{C}$  and a standard pressure of 101.3 kPa;
- water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;
- other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.

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

#### **SECTION 14: Transport information**

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

ADR	IMDG	IATA	ADN	RID	
14.1. UN number	14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.2. UN proper shippin	g name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.3. Transport hazard	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	

EN (English) 17/21

## Safety Data Sheet

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

ADR	IMDG	IATA	ADN	RID
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)	Lemon terpenes ; Orange oil ; d-Limonene ; Dipentene ; .alpha Pinene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	BERGAMOT TEA CC- 16318 25%; Hexyl cinnamic aldehyde; Linalyl acetate; 2- Isobutyl-4- methyltetrahydro-2H- pyran-4-ol; Linalool; Lemon terpenes; Iso E Super; Sandela; Orange oil; Hydroxy; d- Limonene; Triplal (Vertocitral); Phenoxyethanol; Dipentene; Citral	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10

EN (English) 18/21

#### Safety Data Sheet

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

EU restriction list (RE	EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description	
3(c)	BERGAMOT TEA CC- 16318 25%; Hexyl cinnamic aldehyde; Lemon terpenes; Iso E Super; Sandela; Orange oil; Benzyl acetate; d- Limonene; Triplal (Vertocitral); Dipentene	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.	Lemon terpenes ; Orange oil ; d-Limonene ; Dipentene ; .alphaPinene	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	
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) Storage class (LGK, TRGS 510) Joint storage table : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1). : LGK 12 - Non-combustible liquids.

:	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.

EN (English) 19/21

#### Safety Data Sheet

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

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

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

LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGK

10-13

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

**Netherlands** 

ABM category : A(2) - toxic for aquatic organisms, may have longterm hazardous effects in aquatic

environment

SZW-lijst van kankerverwekkende stoffen : Lemon terpenes,Sandela,Orange oil ,Triplal (Vertocitral) are listed SZW-lijst van mutagene stoffen : Lemon terpenes,Sandela,Orange oil ,Triplal (Vertocitral) are listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed SZW-lijst van reprotoxische stoffen – : None of the components are listed

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations : Young people below the age of 18 years are not allowed to use 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 EUF	Full text of H- and EUH-statements:		
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4		
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1		
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1		
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2		
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3		
Asp. Tox. 1	Aspiration hazard, Category 1		
Eye Dam. 1	Serious eye damage/eye irritation, Category 1		
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2		
Flam. Liq. 3	Flammable liquids, Category 3		
H226	Flammable liquid and vapour.		
H302	Harmful if swallowed.		
H304	May be fatal if swallowed and enters airways.		
H315	Causes skin irritation.		
H317	May cause an allergic skin reaction.		
H318	Causes serious eye damage.		
H319	Causes serious eye irritation.		
H335	May cause respiratory irritation.		

EN (English) 20/21

## 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:		
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 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	

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) 21/21