

# Honeyberry CC-16149

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Issue date: 10/28/2021 Version: 1.0



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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Honeyberry CC-16149  
UFI : 4A44-343Q-X00R-KVNX  
Product code : CC-16149  
Type of product : Perfumes, fragrances  
Product group : Trade product

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

##### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use  
Industrial/Professional use spec : Industrial  
For professional use only  
Use of the substance/mixture : Perfumes, fragrances  
Function or use category : Odour agents

##### 1.2.2. Uses advised against

No additional information available

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

Candle Craft  
Weiherwiese 10  
65510 Idstein - Germany  
T 49-6126-9363 -0  
info@candlecraft.de - www.candlecraft.de

#### 1.4. Emergency telephone number

Emergency number : 1-800-255-3924; +01-813-248-0585; China:+400-120-0751; Mexico:+01-800-099-0731;  
Brazil: +0-800-591-6042; India: +000-800-100-4086

### SECTION 2: Hazards identification

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

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

Serious eye damage/eye irritation, Category 2 H319  
Skin sensitisation, Category 1 H317  
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412  
Full text of H-statements: see section 16

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

May cause an allergic skin reaction. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP)

: Warning

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Contains	: Cinnamic aldehyde; Linalool; 2-Hydroxybenzoic acid, benzyl ester; Furaneol; Cedryl acetate; Aldehyde C-16; Clove leaf oil ; Lemongrass oil ; Coumarin crystals; acetyl propionyl; Triplal (Vertocitral)
Hazard statements (CLP)	: H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P264 - Wash hands, forearms and face thoroughly after handling. P272 - Contaminated work clothing should not be allowed out of the workplace. 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. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 2.3. Other hazards

No additional information available

## 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]
Phenylmethanol	CAS-No.: 100-51-6 EC-No.: 202-859-9 EC Index-No.: 603-057-00-5 REACH-no: 01-2119492630-38	2.384 – 4.768	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319
Cinnamic aldehyde	CAS-No.: 104-55-2 EC-No.: 203-213-9 REACH-no: 01-2119935242-45	1.999 – 3.998	Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412
Linalool	CAS-No.: 78-70-6 EC-No.: 201-134-4 EC Index-No.: 603-235-00-2 REACH-no: 01-2119474016-42	1.999 – 3.998	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Anisic aldehyde	CAS-No.: 123-11-5 EC-No.: 204-602-6 REACH-no: 01-2119977101-43	1.749 – 3.498	Aquatic Chronic 3, H412
Vanillin	CAS-No.: 121-33-5 EC-No.: 204-465-2 REACH-no: 01-2119516040-60	1.50005 – 3.00096	Eye Irrit. 2, H319
Veltol plus crystals	CAS-No.: 4940-11-8 EC-No.: 225-582-5	1.20005 – 2.40096	Acute Tox. 4 (Oral), H302
Ethyl isovalerate	CAS-No.: 108-64-5 EC-No.: 203-602-3	0.8995 – 1.799	Flam. Liq. 3, H226 Skin Irrit. 2, H315

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-Hydroxybenzoic acid, benzyl ester	CAS-No.: 118-58-1 EC-No.: 204-262-9 EC Index-No.: 607-754-00-5 REACH-no: 01-2119969442-31	0.8995 – 1.799	Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
Ethyl vanillin crystals	CAS-No.: 121-32-4 EC-No.: 204-464-7 REACH-no: 01-211958961-24	0.5 – 1	Eye Irrit. 2, H319
acetyl propionyl	CAS-No.: 600-14-6 EC-No.: 209-984-8	0.25 – 0.5	Flam. Liq. 2, H225 Eye Dam. 1, H318 Skin Sens. 1B, H317 STOT RE 2, H373
Coumarin crystals	CAS-No.: 91-64-5 EC-No.: 202-086-7 REACH-no: 01-2119943756-26	0.2 – 0.4	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Clove leaf oil	CAS-No.: 8000-34-8 EC-No.: 616-772-2	0.15 – 0.3	Eye Irrit. 2, H319 Skin Sens. 1, H317 Asp. Tox. 1, H304
Furaneol	CAS-No.: 3658-77-3 EC-No.: 222-908-8	0.14 – 0.28	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Irrit. 2, H319 Skin Sens. 1A, H317
Dipropylene glycol monomethyl ether substance with a Community workplace exposure limit	CAS-No.: 34590-94-8 EC-No.: 252-104-2	0.1125 – 0.225	Not classified
Cedryl acetate	CAS-No.: 77-54-3 EC-No.: 201-036-1	0.1 – 0.2	Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Skin Sens. 1B, H317
Aldehyde C-16	CAS-No.: 77-83-8 EC-No.: 201-061-8 REACH-no: 01-2119967770-28	0.075 – 0.15	Skin Sens. 1B, H317 Aquatic Chronic 2, H411
Triplal (Vertocitral)	CAS-No.: 68039-49-6 EC-No.: 268-264-1	0.050062 – 0.100192	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412
Lemongrass oil	CAS-No.: 8007-02-1 EC-No.: 616-903-3	0.05 – 0.1	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1B, H317 Aquatic Chronic 2, H411
Propionic acid substance with a Community workplace exposure limit	CAS-No.: 79-09-4 EC-No.: 201-176-3 EC Index-No.: 607-089-00-0	0 – 0.008	Flam. Liq. 3, H226 Skin Corr. 1B, H314 STOT SE 3, H335

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Specific concentration limits		
Name	Product identifier	Specific concentration limits
Propionic acid	CAS-No.: 79-09-4 EC-No.: 201-176-3 EC Index-No.: 607-089-00-0	( 10 ≤C < 100) STOT SE 3, H335 ( 10 ≤C < 25) Eye Irrit. 2, H319 ( 10 ≤C < 25) Skin Irrit. 2, H315 ( 25 ≤C < 100) Skin Corr. 1B, H314

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
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### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Toxic fumes may be released.
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### 5.3. Advice for firefighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.
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#### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up	: Take up liquid spill into absorbent material.
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Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Store in a well-ventilated place. Keep cool.

### 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

Phenylmethanol (100-51-6)	
<b>Bulgaria - Occupational Exposure Limits</b>	
OEL TWA	5 mg/m <sup>3</sup>
<b>Czech Republic - Occupational Exposure Limits</b>	
PEL (OEL TWA)	40 mg/m <sup>3</sup>
<b>Finland - Occupational Exposure Limits</b>	
HTP (OEL TWA) [1]	45 mg/m <sup>3</sup>
HTP (OEL TWA) [2]	10 ppm
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
AGW (OEL TWA) [1]	22 mg/m <sup>3</sup> (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
<b>Latvia - Occupational Exposure Limits</b>	
OEL TWA	5 mg/m <sup>3</sup>
<b>Lithuania - Occupational Exposure Limits</b>	
IPRV (OEL TWA)	5 mg/m <sup>3</sup>
Chemical category	Skin notation
<b>Poland - Occupational Exposure Limits</b>	
NDS (OEL TWA)	240 mg/m <sup>3</sup>

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<b>Phenylmethanol (100-51-6)</b>	
<b>Slovenia - Occupational Exposure Limits</b>	
OEL TWA	22 mg/m <sup>3</sup>
OEL TWA [ppm]	5 ppm
OEL STEL	44 mg/m <sup>3</sup>
OEL STEL [ppm]	10 ppm
Chemical category	Potential for cutaneous absorption
<b>Switzerland - Occupational Exposure Limits</b>	
MAK (OEL TWA) [1]	22 mg/m <sup>3</sup> (aerosol, vapour)
MAK (OEL TWA) [2]	5 ppm (aerosol, vapour)
Chemical category	Skin notation
<b>acetyl propionyl (600-14-6)</b>	
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
AGW (OEL TWA) [1]	0.083 mg/m <sup>3</sup>
AGW (OEL TWA) [2]	0.02 ppm
Chemical category	Skin notation, Skin sensitization
<b>Slovenia - Occupational Exposure Limits</b>	
OEL TWA	0.083 mg/m <sup>3</sup>
OEL TWA [ppm]	0.02 ppm
OEL STEL	0.083 mg/m <sup>3</sup>
OEL STEL [ppm]	0.02 ppm
Chemical category	Potential for cutaneous absorption
<b>Switzerland - Occupational Exposure Limits</b>	
MAK (OEL TWA) [1]	0.08 mg/m <sup>3</sup>
MAK (OEL TWA) [2]	0.02 ppm
KZGW (OEL STEL)	0.16 mg/m <sup>3</sup>
KZGW (OEL STEL) [ppm]	0.04 ppm
Chemical category	Sensitizer, Skin notation
<b>Dipropylene glycol monomethyl ether (34590-94-8)</b>	
<b>EU - Indicative Occupational Exposure Limit (IOEL)</b>	
IOEL TWA	308 mg/m <sup>3</sup>
IOEL TWA [ppm]	50 ppm
Notes	Possibility of significant uptake through the skin
<b>Austria - Occupational Exposure Limits</b>	
MAK (OEL TWA)	307 mg/m <sup>3</sup> (mixed isomers)
MAK (OEL TWA) [ppm]	50 ppm (mixed isomers)
MAK (OEL STEL)	614 mg/m <sup>3</sup> (isomers mixtures)
MAK (OEL STEL) [ppm]	100 ppm (isomers mixtures)
Chemical category	Skin notation

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<b>Dipropylene glycol monomethyl ether (34590-94-8)</b>	
<b>Belgium - Occupational Exposure Limits</b>	
OEL TWA	308 mg/m <sup>3</sup>
OEL TWA [ppm]	50 ppm
Chemical category	Skin, Skin notation
<b>Bulgaria - Occupational Exposure Limits</b>	
OEL TWA	308 mg/m <sup>3</sup>
OEL TWA [ppm]	50 ppm
<b>Croatia - Occupational Exposure Limits</b>	
GVI (OEL TWA) [1]	308 mg/m <sup>3</sup>
GVI (OEL TWA) [2]	50 ppm
Chemical category	Skin notation
<b>Cyprus - Occupational Exposure Limits</b>	
OEL TWA	308 mg/m <sup>3</sup>
OEL TWA [ppm]	50 ppm
Chemical category	Skin-potential for cutaneous absorption
<b>Czech Republic - Occupational Exposure Limits</b>	
PEL (OEL TWA)	270 mg/m <sup>3</sup>
Chemical category	Potential for cutaneous absorption
<b>Denmark - Occupational Exposure Limits</b>	
OEL TWA [1]	309 mg/m <sup>3</sup>
OEL TWA [2]	50 ppm
Chemical category	Potential for cutaneous absorption
<b>Estonia - Occupational Exposure Limits</b>	
OEL TWA	308 mg/m <sup>3</sup>
OEL TWA [ppm]	50 ppm
Chemical category	Skin notation
<b>Finland - Occupational Exposure Limits</b>	
HTP (OEL TWA) [1]	310 mg/m <sup>3</sup>
HTP (OEL TWA) [2]	50 ppm
Chemical category	Potential for cutaneous absorption
<b>France - Occupational Exposure Limits</b>	
VME (OEL TWA)	308 mg/m <sup>3</sup> (restrictive limit)
VME (OEL TWA) [ppm]	50 ppm (restrictive limit)
Chemical category	Risk of cutaneous absorption
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
AGW (OEL TWA) [1]	310 mg/m <sup>3</sup> (isomer mixture)
AGW (OEL TWA) [2]	50 ppm (isomer mixture)
<b>Gibraltar - Occupational Exposure Limits</b>	
OEL TWA	308 mg/m <sup>3</sup>

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<b>Dipropylene glycol monomethyl ether (34590-94-8)</b>	
OEL TWA [ppm]	50 ppm
Chemical category	Skin notation
<b>Greece - Occupational Exposure Limits</b>	
OEL TWA	600 mg/m <sup>3</sup>
OEL TWA [ppm]	100 ppm
OEL STEL	900 mg/m <sup>3</sup>
OEL STEL [ppm]	150 ppm
Chemical category	skin - potential for cutaneous absorption
<b>Hungary - Occupational Exposure Limits</b>	
AK (OEL TWA)	308 mg/m <sup>3</sup>
<b>Ireland - Occupational Exposure Limits</b>	
OEL TWA [1]	308 mg/m <sup>3</sup> ((2-Methoxymethylethoxy)propanol)
OEL TWA [2]	50 ppm ((2-Methoxymethylethoxy)propanol)
OEL STEL	924 mg/m <sup>3</sup> (calculated (2-(2-Methoxypropoxy)-1-propanol)
OEL STEL [ppm]	150 ppm (calculated (2-(2-Methoxypropoxy)-1-propanol)
Chemical category	Potential for cutaneous absorption
<b>Italy - Occupational Exposure Limits</b>	
OEL TWA	308 mg/m <sup>3</sup>
OEL TWA [ppm]	50 ppm
Chemical category	skin - potential for cutaneous absorption
<b>Latvia - Occupational Exposure Limits</b>	
OEL TWA	308 mg/m <sup>3</sup>
OEL TWA [ppm]	50 ppm
Chemical category	skin - potential for cutaneous exposure
<b>Lithuania - Occupational Exposure Limits</b>	
IPRV (OEL TWA)	300 mg/m <sup>3</sup> (2-(2-Methoxypropoxy)-propanol)
IPRV (OEL TWA) [ppm]	50 ppm (2-(2-Methoxypropoxy)-propanol)
TPRV (OEL STEL)	450 mg/m <sup>3</sup> (2-(2-Methoxypropoxy)-propanol)
TPRV (OEL STEL) [ppm]	75 ppm (2-(2-Methoxypropoxy)-propanol)
Chemical category	Skin notation
<b>Luxembourg - Occupational Exposure Limits</b>	
OEL TWA	308 mg/m <sup>3</sup>
OEL TWA [ppm]	50 ppm
Chemical category	Possibility of significant uptake through the skin
<b>Malta - Occupational Exposure Limits</b>	
OEL TWA	308 mg/m <sup>3</sup>
OEL TWA [ppm]	50 ppm
Chemical category	Possibility of significant uptake through the skin



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<b>Dipropylene glycol monomethyl ether (34590-94-8)</b>	
<b>Netherlands - Occupational Exposure Limits</b>	
TGG-8u (OEL TWA)	300 mg/m <sup>3</sup>
<b>Poland - Occupational Exposure Limits</b>	
NDS (OEL TWA)	240 mg/m <sup>3</sup> (mixture of isomers: 1-(2-Methoxy-1-methylethoxy)propan-2-ol, 1-(2-Methoxy-2-methylethoxy)propan-2-ol and 2-(2-Methoxy-1-methylethoxy)propan-1-ol)
NDSch (OEL STEL)	480 mg/m <sup>3</sup> (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)
<b>Portugal - Occupational Exposure Limits</b>	
OEL TWA	308 mg/m <sup>3</sup> (indicative limit value)
OEL TWA [ppm]	50 ppm (indicative limit value)
OEL STEL [ppm]	150 ppm
Chemical category	skin - potential for cutaneous exposure indicative limit value
<b>Romania - Occupational Exposure Limits</b>	
OEL TWA	308 mg/m <sup>3</sup>
OEL TWA [ppm]	50 ppm
Chemical category	Skin notation
<b>Slovakia - Occupational Exposure Limits</b>	
NPHV (OEL TWA) [1]	308 mg/m <sup>3</sup>
NPHV (OEL TWA) [2]	50 ppm
Chemical category	Potential for cutaneous absorption
<b>Slovenia - Occupational Exposure Limits</b>	
OEL TWA	308 mg/m <sup>3</sup>
OEL TWA [ppm]	50 ppm
OEL STEL	308 mg/m <sup>3</sup>
OEL STEL [ppm]	50 ppm
Chemical category	Potential for cutaneous absorption
<b>Spain - Occupational Exposure Limits</b>	
VLA-ED (OEL TWA) [1]	308 mg/m <sup>3</sup> (indicative limit value)
VLA-ED (OEL TWA) [2]	50 ppm (indicative limit value)
Chemical category	skin - potential for cutaneous absorption
<b>Sweden - Occupational Exposure Limits</b>	
NGV (OEL TWA)	300 mg/m <sup>3</sup>
NGV (OEL TWA) [ppm]	50 ppm
KTV (OEL STEL)	450 mg/m <sup>3</sup>
KTV (OEL STEL) [ppm]	75 ppm
Chemical category	Skin notation
<b>United Kingdom - Occupational Exposure Limits</b>	
WEL TWA (OEL TWA) [1]	308 mg/m <sup>3</sup>
WEL TWA (OEL TWA) [2]	50 ppm
WEL STEL (OEL STEL)	924 mg/m <sup>3</sup> (calculated)

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<b>Dipropylene glycol monomethyl ether (34590-94-8)</b>	
WEL STEL (OEL STEL) [ppm]	150 ppm (calculated)
WEL chemical category	Potential for cutaneous absorption
<b>Norway - Occupational Exposure Limits</b>	
Grenseverdi (OEL TWA) [1]	300 mg/m <sup>3</sup>
Grenseverdi (OEL TWA) [2]	50 ppm
Korttidsverdi (OEL STEL)	375 mg/m <sup>3</sup> (value calculated)
Korttidsverdi (OEL STEL) [ppm]	75 ppm (value calculated)
Chemical category	Skin notation
<b>Switzerland - Occupational Exposure Limits</b>	
MAK (OEL TWA) [1]	300 mg/m <sup>3</sup> (aerosol, vapour)
MAK (OEL TWA) [2]	50 ppm (aerosol, vapour)
KZGW (OEL STEL)	300 mg/m <sup>3</sup> (aerosol, vapour)
KZGW (OEL STEL) [ppm]	50 ppm (aerosol, vapour)
<b>Turkey - Occupational Exposure Limits</b>	
OEL TWA	308 mg/m <sup>3</sup>
OEL TWA [ppm]	50 ppm
Chemical category	Skin notation
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH OEL TWA [ppm]	100 ppm
ACGIH OEL STEL [ppm]	150 ppm
ACGIH chemical category	Skin - potential significant contribution to overall exposure by the cutaneous route
<b>Propionic acid (79-09-4)</b>	
<b>EU - Indicative Occupational Exposure Limit (IOEL)</b>	
IOEL TWA	31 mg/m <sup>3</sup>
IOEL TWA [ppm]	10 ppm
IOEL STEL	62 mg/m <sup>3</sup>
IOEL STEL [ppm]	20 ppm
<b>Austria - Occupational Exposure Limits</b>	
MAK (OEL TWA)	31 mg/m <sup>3</sup>
MAK (OEL TWA) [ppm]	10 ppm
MAK (OEL STEL)	62 mg/m <sup>3</sup>
MAK (OEL STEL) [ppm]	20 ppm
<b>Belgium - Occupational Exposure Limits</b>	
OEL TWA	31 mg/m <sup>3</sup>
OEL TWA [ppm]	10 ppm
OEL STEL	62 mg/m <sup>3</sup>
OEL STEL [ppm]	20 ppm
<b>Bulgaria - Occupational Exposure Limits</b>	
OEL TWA	31 mg/m <sup>3</sup>

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<b>Propionic acid (79-09-4)</b>	
OEL TWA [ppm]	10 ppm
OEL STEL	62 mg/m <sup>3</sup>
OEL STEL [ppm]	20 ppm
<b>Croatia - Occupational Exposure Limits</b>	
GVI (OEL TWA) [1]	31 mg/m <sup>3</sup>
GVI (OEL TWA) [2]	10 ppm
KGVI (OEL STEL)	62 mg/m <sup>3</sup>
KGVI (OEL STEL) [ppm]	20 ppm
<b>Cyprus - Occupational Exposure Limits</b>	
OEL TWA	31 mg/m <sup>3</sup>
OEL TWA [ppm]	10 ppm
OEL STEL	62 mg/m <sup>3</sup>
OEL STEL [ppm]	20 ppm
<b>Czech Republic - Occupational Exposure Limits</b>	
PEL (OEL TWA)	30 mg/m <sup>3</sup>
<b>Denmark - Occupational Exposure Limits</b>	
OEL TWA [1]	31 mg/m <sup>3</sup>
OEL TWA [2]	10 ppm
<b>Estonia - Occupational Exposure Limits</b>	
OEL TWA	30 mg/m <sup>3</sup>
OEL TWA [ppm]	10 ppm
OEL STEL	62 mg/m <sup>3</sup>
OEL STEL [ppm]	20 ppm
<b>Finland - Occupational Exposure Limits</b>	
HTP (OEL TWA) [1]	31 mg/m <sup>3</sup>
HTP (OEL TWA) [2]	10 ppm
HTP (OEL STEL)	61 mg/m <sup>3</sup>
HTP (OEL STEL) [ppm]	20 ppm
<b>France - Occupational Exposure Limits</b>	
VME (OEL TWA)	31 mg/m <sup>3</sup> (indicative limit)
VME (OEL TWA) [ppm]	10 ppm (indicative limit)
VLE (OEL C/STEL)	62 mg/m <sup>3</sup> (indicative limit)
VLE (OEL C/STEL) [ppm]	20 ppm (indicative limit)
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
AGW (OEL TWA) [1]	31 mg/m <sup>3</sup> (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)
<b>Gibraltar - Occupational Exposure Limits</b>	
OEL TWA	31 mg/m <sup>3</sup>

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<b>Propionic acid (79-09-4)</b>	
OEL TWA [ppm]	10 ppm
OEL STEL	62 mg/m <sup>3</sup>
OEL STEL [ppm]	20 ppm
<b>Greece - Occupational Exposure Limits</b>	
OEL TWA	30 mg/m <sup>3</sup>
OEL TWA [ppm]	10 ppm
OEL STEL	60 mg/m <sup>3</sup>
OEL STEL [ppm]	20 ppm
<b>Hungary - Occupational Exposure Limits</b>	
AK (OEL TWA)	31 mg/m <sup>3</sup>
CK (OEL STEL)	62 mg/m <sup>3</sup>
<b>Ireland - Occupational Exposure Limits</b>	
OEL TWA [1]	31 mg/m <sup>3</sup>
OEL TWA [2]	10 ppm
OEL STEL	62 mg/m <sup>3</sup>
OEL STEL [ppm]	20 ppm
<b>Italy - Occupational Exposure Limits</b>	
OEL TWA	31 mg/m <sup>3</sup>
OEL TWA [ppm]	10 ppm
OEL STEL	62 mg/m <sup>3</sup>
OEL STEL [ppm]	20 ppm
<b>Latvia - Occupational Exposure Limits</b>	
OEL TWA	31 mg/m <sup>3</sup>
OEL TWA [ppm]	10 ppm
<b>Lithuania - Occupational Exposure Limits</b>	
IPRV (OEL TWA)	31 mg/m <sup>3</sup>
IPRV (OEL TWA) [ppm]	10 ppm
TPRV (OEL STEL)	62 mg/m <sup>3</sup>
TPRV (OEL STEL) [ppm]	20 ppm
<b>Luxembourg - Occupational Exposure Limits</b>	
OEL TWA	31 mg/m <sup>3</sup>
OEL TWA [ppm]	10 ppm
OEL STEL	62 mg/m <sup>3</sup>
OEL STEL [ppm]	20 ppm
<b>Malta - Occupational Exposure Limits</b>	
OEL TWA	31 mg/m <sup>3</sup>
OEL TWA [ppm]	10 ppm
OEL STEL	62 mg/m <sup>3</sup>
OEL STEL [ppm]	20 ppm

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<b>Propionic acid (79-09-4)</b>	
<b>Netherlands - Occupational Exposure Limits</b>	
TGG-8u (OEL TWA)	31 mg/m <sup>3</sup>
TGG-15min (OEL STEL)	62 mg/m <sup>3</sup>
<b>Poland - Occupational Exposure Limits</b>	
NDS (OEL TWA)	30 mg/m <sup>3</sup>
NDSch (OEL STEL)	45 mg/m <sup>3</sup>
<b>Portugal - Occupational Exposure Limits</b>	
OEL TWA	31 mg/m <sup>3</sup> (indicative limit value)
OEL TWA [ppm]	10 ppm (indicative limit value)
OEL STEL	62 mg/m <sup>3</sup> (indicative limit value)
OEL STEL [ppm]	20 ppm (indicative limit value)
<b>Romania - Occupational Exposure Limits</b>	
OEL TWA	31 mg/m <sup>3</sup>
OEL TWA [ppm]	10 ppm
OEL STEL	62 mg/m <sup>3</sup>
OEL STEL [ppm]	20 ppm
<b>Slovakia - Occupational Exposure Limits</b>	
NPHV (OEL TWA) [1]	31 mg/m <sup>3</sup>
NPHV (OEL TWA) [2]	10 ppm
NPHV (OEL C)	62 mg/m <sup>3</sup>
<b>Slovenia - Occupational Exposure Limits</b>	
OEL TWA	31 mg/m <sup>3</sup>
OEL TWA [ppm]	10 ppm
OEL STEL	62 mg/m <sup>3</sup>
OEL STEL [ppm]	20 ppm
<b>Spain - Occupational Exposure Limits</b>	
VLA-ED (OEL TWA) [1]	31 mg/m <sup>3</sup> (indicative limit value)
VLA-ED (OEL TWA) [2]	10 ppm (indicative limit value)
VLA-EC (OEL STEL)	62 mg/m <sup>3</sup>
VLA-EC (OEL STEL) [ppm]	20 ppm
<b>Sweden - Occupational Exposure Limits</b>	
NGV (OEL TWA)	30 mg/m <sup>3</sup>
NGV (OEL TWA) [ppm]	10 ppm
KTV (OEL STEL)	62 mg/m <sup>3</sup>
KTV (OEL STEL) [ppm]	20 ppm
<b>United Kingdom - Occupational Exposure Limits</b>	
WEL TWA (OEL TWA) [1]	31 mg/m <sup>3</sup>
WEL TWA (OEL TWA) [2]	10 ppm
WEL STEL (OEL STEL)	46 mg/m <sup>3</sup>

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Propionic acid (79-09-4)	
WEL STEL (OEL STEL) [ppm]	15 ppm
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA) [1]	30 mg/m <sup>3</sup>
Grenseverdi (OEL TWA) [2]	10 ppm
Korttidsverdi (OEL STEL)	45 mg/m <sup>3</sup> (value calculated)
Korttidsverdi (OEL STEL) [ppm]	20 ppm (value calculated)
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA) [1]	30 mg/m <sup>3</sup>
MAK (OEL TWA) [2]	10 ppm
KZGW (OEL STEL)	60 mg/m <sup>3</sup>
KZGW (OEL STEL) [ppm]	20 ppm
Turkey - Occupational Exposure Limits	
OEL TWA	31 mg/m <sup>3</sup>
OEL TWA [ppm]	10 ppm
OEL STEL	62 mg/m <sup>3</sup>
OEL STEL [ppm]	20 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA [ppm]	10 ppm

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

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### Hand protection:

Protective gloves

### 8.2.2.3. Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: light yellow. amber.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 84 °C (closed cup) ASTM D7094
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 0.978
Solubility	: No data available
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
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

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

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

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### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 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

Cinnamic aldehyde (104-55-2)	
LD50 oral rat	2220 mg/kg
LD50 oral	2200 mg/kg bodyweight
LD50 dermal rabbit	1260 mg/kg
LD50 dermal	1100 mg/kg bodyweight
Anisic aldehyde (123-11-5)	
LD50 oral rat	> 2000 mg/kg
LD50 oral	3210 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg
LC50 Inhalation - Rat	> 0.32 mg/l (Exposure time: 7 h)
Phenylmethanol (100-51-6)	
LD50 oral rat	1230 mg/kg
LD50 oral	1620 mg/kg bodyweight
LD50 dermal	2500 mg/kg bodyweight
Linalool (78-70-6)	
LD50 oral	2790 mg/kg bodyweight
2-Hydroxybenzoic acid, benzyl ester (118-58-1)	
LD50 oral rat	2227 mg/kg
LD50 oral	2200 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg
Ethyl vanillin crystals (121-32-4)	
LD50 oral rat	1590 mg/kg
LD50 oral	3000 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg
Vanillin (121-33-5)	
LD50 dermal rabbit	> 5010 mg/kg
Veltol plus crystals (4940-11-8)	
LD50 oral rat	1150 mg/kg
LD50 oral	1200 mg/kg bodyweight



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<b>Veltol plus crystals (4940-11-8)</b>	
LD50 dermal rabbit	> 5000 mg/kg
<b>Furaneol (3658-77-3)</b>	
LD50 oral	1608 mg/kg bodyweight
<b>Cedryl acetate (77-54-3)</b>	
LD50 oral rat	44750 mg/kg
<b>Aldehyde C-16 (77-83-8)</b>	
LD50 oral rat	5470 mg/kg
LD50 dermal rat	> 2000 mg/kg
<b>Coumarin crystals (91-64-5)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 oral	500 mg/kg bodyweight
LD50 dermal rat	293 mg/kg
<b>acetyl propionyl (600-14-6)</b>	
LD50 oral rat	3 g/kg
LD50 oral	3000 mg/kg bodyweight
LD50 dermal rabbit	> 2000 mg/kg
LD50 dermal	2500 mg/kg bodyweight
<b>Triplal (Vertocitral) (68039-49-6)</b>	
LD50 oral	3900 mg/kg bodyweight
<b>Dipropylene glycol monomethyl ether (34590-94-8)</b>	
LD50 oral rat	5.35 g/kg
LD50 dermal rabbit	9500 mg/kg
<b>Propionic acid (79-09-4)</b>	
LD50 oral rat	351 mg/kg
LD50 oral	3455 mg/kg bodyweight
LD50 dermal rat	3235 mg/kg
LD50 dermal	3235 mg/kg bodyweight
LC50 Inhalation - Rat	> 19.7 mg/l (Exposure time: 1 h)
<b>Clove leaf oil (8000-34-8)</b>	
LD50 oral rat	1370 mg/kg
LD50 oral	2650 mg/kg bodyweight
LD50 dermal rabbit	1200 mg/kg
LD50 dermal	2500 mg/kg bodyweight
<b>Lemongrass oil (8007-02-1)</b>	
LD50 oral rat	> 5 g/kg

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Causes serious eye irritation.  
Respiratory or skin sensitisation : May cause an allergic skin reaction.

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Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified

### Coumarin crystals (91-64-5)

IARC group : 3 - Not classifiable

Reproductive toxicity : Not classified  
STOT-single exposure : Not classified

### Propionic acid (79-09-4)

STOT-single exposure : May cause respiratory irritation.

STOT-repeated exposure : Not classified

### acetyl propionyl (600-14-6)

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.  
Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

### Phenylmethanol (100-51-6)

LC50 - Fish [1] : 460 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

LC50 - Fish [2] : 10 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])

EC50 - Crustacea [1] : 23 mg/l (Exposure time: 48 h - Species: water flea)

### Linalool (78-70-6)

EC50 96h - Algae [1] : 88.3 mg/l (Species: Desmodesmus subspicatus)

### 2-Hydroxybenzoic acid, benzyl ester (118-58-1)

LC50 - Fish [1] : 1.03 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])

### Ethyl vanillin crystals (121-32-4)

LC50 - Fish [1] : 81.4 – 94.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])

### Vanillin (121-33-5)

LC50 - Fish [1] : 53 – 61.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])

LC50 - Fish [2] : 88 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

NOEC (acute) : 10000 mg/kg (Exposure time: 42 Days - Species: Eisenia foetida [soil dry weight])

### Veltol plus crystals (4940-11-8)

LC50 - Fish [1] : > 85 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)

### Aldehyde C-16 (77-83-8)

LC50 - Fish [1] : 4.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])

### 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)

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### Propionic acid (79-09-4)

LC50 - Fish [1]	> 1 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
LC50 - Fish [2]	73 – 99.7 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 72h - Algae [1]	45.8 mg/l (Species: Desmodesmus subspicatus)
EC50 96h - Algae [1]	43 mg/l (Species: Desmodesmus subspicatus)

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

#### Cinnamic aldehyde (104-55-2)

Partition coefficient n-octanol/water (Log Pow)	2.22 (at 18 °C)
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#### Phenylmethanol (100-51-6)

Partition coefficient n-octanol/water (Log Pow)	1.1
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#### Vanillin (121-33-5)

Partition coefficient n-octanol/water (Log Pow)	1.23 (at 22 °C)
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#### Dipropylene glycol monomethyl ether (34590-94-8)

Partition coefficient n-octanol/water (Log Pow)	-0.064 (at 20 °C)
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#### Propionic acid (79-09-4)

Partition coefficient n-octanol/water (Log Pow)	0.25 – 0.33
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### 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

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

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

### 14.1. UN number

UN-No. (ADR)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable
UN-No. (ADN)	: Not applicable
UN-No. (RID)	: Not applicable

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### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable

### 14.3. Transport hazard class(es)

**ADR**  
Transport hazard class(es) (ADR) : Not applicable

**IMDG**  
Transport hazard class(es) (IMDG) : Not applicable

**IATA**  
Transport hazard class(es) (IATA) : Not applicable

**ADN**  
Transport hazard class(es) (ADN) : Not applicable

**RID**  
Transport hazard class(es) (RID) : Not applicable

### 14.4. Packing group

Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable

### 14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: 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

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### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

EU restriction list (REACH Annex XVII)	
Reference code	Applicable on
3(a)	Ethyl isovalerate
3(b)	Cinnamic aldehyde ; Phenylmethanol ; Linalool ; Ethyl isovalerate ; 2-Hydroxybenzoic acid, benzyl ester
3(c)	Cinnamic aldehyde ; Anisic aldehyde ; 2-Hydroxybenzoic acid, benzyl ester
40.	Ethyl isovalerate

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

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

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

##### 15.1.2. National regulations

###### Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)  
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)

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

List of sensitizing substances (TRGS 907) : Contains sensitizing substances according TRGS 907

###### Netherlands

SZW-lijst van kankerverwekkende stoffen : Triplal (Vertocitral) is listed

SZW-lijst van mutagene stoffen : Triplal (Vertocitral) is listed

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

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

Vruchtbaarheid

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

###### Denmark

Class for fire hazard : Class III-1

Store unit : 50 liter

Classification remarks : Flammable according to the Danish Ministry of Justice; 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  
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

Abbreviations and acronyms	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor

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Abbreviations and acronyms	
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Full text of H- and EUH-statements	
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4

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Full text of H- and EUH-statements	
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. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A
Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
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.

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.