

## 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	: PINA COLADA CC-16090 10% in DPG
Product code	: CC-16090_10%
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
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

No additional information available

### SECTION 2: Hazards identification

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

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

Hazardous to the aquatic environment – Chronic Hazard, H412  
Category 3  
Full text of H- and EUH-statements: see section 16

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

No additional information available

#### 2.2. Label elements

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

Signal word (CLP)	: -
Hazard statements (CLP)	: H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P273 - Avoid release to the environment. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
EUH-statements	: EUH208 - Contains COUMARIN, Benzyl salicylate. May produce an allergic reaction.
Extra phrases	: For professional users only.

#### 2.3. Other hazards

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

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
benzyl benzoate	CAS-No.: 120-51-4 EC-No.: 204-402-9 EC Index-No.: 607-085-00-9 REACH-no: 01-2119976371-33	3.59 – 7.174	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
COUMARIN	CAS-No.: 91-64-5 EC-No.: 202-086-7 REACH-no: 01-2119943756-26	0.22 – 0.44	Acute Tox. 4 (Oral), H302 Skin Sens. 1B, H317
Benzyl salicylate	CAS-No.: 118-58-1 EC-No.: 204-262-9 EC Index-No.: 607-754-00-5 REACH-no: 01-2119969442-31	0.15 – 0.3	Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
Allyl heptanoate	CAS-No.: 142-19-8 EC-No.: 205-527-1 REACH-no: 01-2119488961-23	0.01 – 0.015	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 3, H412
isopentyl acetate substance with national workplace exposure limit(s) (AT, BE, BG, CY, DE, DK, EE, ES, FI, FR, GI, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, NO, CH, 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	0.01 – 0.015	Flam. Liq. 3, H226
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	0.01 – 0.01	Aquatic Chronic 3, H412
benzyl alcohol substance with national workplace exposure limit(s) (BG, CZ, DE, FI, LT, LV, PL, SI, CH)	CAS-No.: 100-51-6 EC-No.: 202-859-9 EC Index-No.: 603-057-00-5 REACH-no: 01-2119492630-38	0 – 0.005	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
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	0.0000254 – 0.0000381	Not classified
Toluene 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.: 108-88-3 EC-No.: 203-625-9 EC Index-No.: 601-021-00-3	≤ 0.00000045	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361d STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304

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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.
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#### 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.
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##### 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.
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#### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

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### 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.

#### Germany

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

Joint storage table

LGK 1	LGK 2A	LGK 2B	LGK 3	LGK 4.1A
LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1A	LGK 5.1B
LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1B	LGK 6.1C
LGK 6.1D	LGK 6.2	LGK 7	LGK 8A	LGK 8B
LGK 10	LGK 11	LGK 12	LGK 13	LGK 10-13

Joint storage not permitted for : LGK 1, LGK 6.2, LGK 7

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

#### Switzerland

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

#### 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

Toluene (108-88-3)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	192 mg/m <sup>3</sup>
	50 ppm
IOEL STEL	384 mg/m <sup>3</sup>
	100 ppm
Remark	Possibility of significant uptake through the skin
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	190 mg/m <sup>3</sup>
	50 ppm
MAK (OEL STEL)	380 mg/m <sup>3</sup>
	100 ppm
OEL chemical category	Skin notation

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<b>Toluene (108-88-3)</b>	
<b>Belgium - Occupational Exposure Limits</b>	
OEL TWA	77 mg/m <sup>3</sup>
	20 ppm
OEL STEL	384 mg/m <sup>3</sup>
	100 ppm
OEL chemical category	Skin, Skin notation
<b>Bulgaria - Occupational Exposure Limits</b>	
OEL TWA	192 mg/m <sup>3</sup>
	50 ppm
OEL STEL	384 mg/m <sup>3</sup>
	100 ppm
<b>Bulgaria - Biological limit values</b>	
BLV	1.6 mmol/mmol Creatinine Parameter: Hippuric acid - Medium: urine - Sampling time: at the end of exposure or end of work shift
<b>Croatia - Occupational Exposure Limits</b>	
GVI (OEL TWA)	192 mg/m <sup>3</sup>
	50 ppm
KGVI (OEL STEL)	384 mg/m <sup>3</sup>
	100 ppm
OEL chemical category	Skin notation
<b>Croatia - Biological limit values</b>	
BLV	1 mg/l Parameter: Toluene - Medium: blood - Sampling time: at the end of the work shift 20 ppm Parameter: Toluene - Medium: final exhaled air - Sampling time: during exposure 2.5 g/g creatinine Parameter: Hippuric acid - Medium: urine - Sampling time: at the end of the work shift (calculated on the average Creatinine value of 1.2 g/L urine) 1 mg/g creatinine Parameter: o-Cresol - Medium: urine - Sampling time: at the end of the work shift (calculated on the average Creatinine value of 1.2 g/L urine)
<b>Cyprus - Occupational Exposure Limits</b>	
OEL TWA	192 mg/m <sup>3</sup>
	50 ppm
OEL STEL	384 mg/m <sup>3</sup>
	100 ppm
OEL chemical category	Skin-potential for cutaneous absorption
<b>Czech Republic - Occupational Exposure Limits</b>	
PEL (OEL TWA)	200 mg/m <sup>3</sup>
OEL chemical category	Potential for cutaneous absorption

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<b>Toluene (108-88-3)</b>	
<b>Czech Republic - Biological limit values</b>	
BLV	1.6 µmol/mmol Creatinine Parameter: o-Cresol - Medium: urine - Sampling time: end of shift (after hydrolysis) 1000 µmol/mmol Creatinine Parameter: Hippuric acid - Medium: urine - Sampling time: end of shift (exposure testing using the o-Cresol parameter to precisely measure Toluene exposure is needed if the value of Hippuric acid is between 1600 and 2500 mg/g of Creatinine, no additional testing is needed if the Hippuric acid value is >2500 mg/g of Creatinine as work exposure to Toluene will have highly exceeded the PEL value.) 1.5 mg/g creatinine Parameter: o-Cresol - Medium: urine - Sampling time: end of shift (after hydrolysis) 1600 mg/g creatinine Parameter: Hippuric acid - Medium: urine - Sampling time: end of shift (exposure testing using the o-Cresol parameter to precisely measure Toluene exposure is needed if the value of Hippuric acid is between 1600 and 2500 mg/g of Creatinine, no additional testing is needed if the Hippuric acid value is >2500 mg/g of Creatinine as work exposure to Toluene will have highly exceeded the PEL value.)
<b>Denmark - Occupational Exposure Limits</b>	
OEL TWA	94 mg/m <sup>3</sup>
	25 ppm
OEL STEL	384 mg/m <sup>3</sup>
	100 ppm
OEL chemical category	Potential for cutaneous absorption
<b>Estonia - Occupational Exposure Limits</b>	
OEL TWA	192 mg/m <sup>3</sup>
	50 ppm
OEL STEL	384 mg/m <sup>3</sup>
	100 ppm
OEL chemical category	Skin notation
<b>Finland - Occupational Exposure Limits</b>	
HTP (OEL TWA)	81 mg/m <sup>3</sup>
	25 ppm
HTP (OEL STEL)	380 mg/m <sup>3</sup>
	100 ppm
OEL chemical category	Potential for cutaneous absorption
<b>Finland - Biological limit values</b>	
BLV	500 nmol/L Parameter: Toluene - Medium: blood - Sampling time: in the morning after a working day
<b>France - Occupational Exposure Limits</b>	
VME (OEL TWA)	76.8 mg/m <sup>3</sup> (restrictive limit)
	20 ppm (restrictive limit)
VLE (OEL C/STEL)	384 mg/m <sup>3</sup> (restrictive limit)
	100 ppm (restrictive limit)
OEL chemical category	Reproductive Toxin category 2, Risk of cutaneous absorption

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<b>Toluene (108-88-3)</b>	
<b>France - Biological limit values</b>	
BLV	20 µg/l Parameter: Toluene - Medium: blood - Sampling time: end of workweek (Semi-quantitative (ambiguous interpretation)) Parameter: Hippuric acid - Medium: urine - Sampling time: end of shift (per the Authority, the values for this substance must be decided and/or determined on a case by case basis. Guidance for the calculation of and interpretation of values is provided in the source)
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
AGW (OEL TWA)	190 mg/m <sup>3</sup> (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) 50 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>Germany - Biological limit values (TRGS 903)</b>	
Biological limit value	600 µg/l Parameter: Toluene - Medium: whole blood - Sampling time: immediately after exposure 75 µg/l Parameter: Toluene - Medium: urine - Sampling time: end of exposure or shift 1.5 mg/l Parameter: o-Cresol (after hydrolysis) - Medium: urine - Sampling time: at the end of the shift, in case of long-term exposure after several previous shifts
<b>Gibraltar - Occupational Exposure Limits</b>	
OEL TWA	192 mg/m <sup>3</sup> 50 ppm
OEL STEL	384 mg/m <sup>3</sup> 100 ppm
OEL chemical category	Skin notation
<b>Greece - Occupational Exposure Limits</b>	
OEL TWA	192 mg/m <sup>3</sup> 50 ppm
OEL STEL	384 mg/m <sup>3</sup> 100 ppm
OEL chemical category	skin - potential for cutaneous absorption
<b>Hungary - Occupational Exposure Limits</b>	
AK (OEL TWA)	190 mg/m <sup>3</sup>
CK (OEL STEL)	384 mg/m <sup>3</sup>
OEL chemical category	Potential for cutaneous absorption
<b>Ireland - Occupational Exposure Limits</b>	
OEL TWA	192 mg/m <sup>3</sup> 50 ppm
OEL STEL	384 mg/m <sup>3</sup> 100 ppm
OEL chemical category	Potential for cutaneous absorption
<b>Italy - Occupational Exposure Limits</b>	
OEL TWA	192 mg/m <sup>3</sup>

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<b>Toluene (108-88-3)</b>	
	50 ppm
OEL chemical category	skin - potential for cutaneous absorption
<b>Latvia - Occupational Exposure Limits</b>	
OEL TWA	50 mg/m <sup>3</sup>
	14 ppm
OEL chemical category	skin - potential for cutaneous exposure
<b>Latvia - Biological Exposure Indices</b>	
BEI	600 µg/l Parameter: Toluene - Medium: blood - Sampling time: at the end of exposure (for assessment of long-term exposure, samples are taken at the end of a shift after several previous shifts) 75 µg/l Parameter: Toluene - Medium: urine - Sampling time: end of shift (for assessment of long-term exposure, samples are taken at the end of a shift after several previous shifts) 1.5 mg/l Parameter: o-Cresol - Medium: urine - Sampling time: at the end of exposure or shift (after hydrolysis)
<b>Lithuania - Occupational Exposure Limits</b>	
IPRV (OEL TWA)	192 mg/m <sup>3</sup>
	50 ppm
TPRV (OEL STEL)	384 mg/m <sup>3</sup>
	100 ppm
OEL chemical category	Reproductive toxin, Skin notation
<b>Luxembourg - Occupational Exposure Limits</b>	
OEL TWA	192 mg/m <sup>3</sup>
	50 ppm
OEL STEL	384 mg/m <sup>3</sup>
	100 ppm
OEL chemical category	Possibility of significant uptake through the skin
<b>Malta - Occupational Exposure Limits</b>	
OEL TWA	192 mg/m <sup>3</sup>
	50 ppm
OEL STEL	384 mg/m <sup>3</sup>
	100 ppm
OEL chemical category	Possibility of significant uptake through the skin
<b>Netherlands - Occupational Exposure Limits</b>	
TGG-8u (OEL TWA)	150 mg/m <sup>3</sup>
	39 ppm
TGG-15min (OEL STEL)	384 mg/m <sup>3</sup>
	100 ppm
<b>Poland - Occupational Exposure Limits</b>	
NDS (OEL TWA)	100 mg/m <sup>3</sup>
NDSch (OEL STEL)	200 mg/m <sup>3</sup>

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<b>Toluene (108-88-3)</b>	
<b>Portugal - Occupational Exposure Limits</b>	
OEL TWA	192 mg/m <sup>3</sup> (indicative limit value)
	50 ppm (indicative limit value)
OEL STEL	384 mg/m <sup>3</sup> (indicative limit value)
	100 ppm (indicative limit value)
OEL chemical category	A4 - Not Classifiable as a Human Carcinogen, skin - potential for cutaneous exposure indicative limit value
<b>Romania - Occupational Exposure Limits</b>	
OEL TWA	192 mg/m <sup>3</sup>
	50 ppm
OEL STEL	384 mg/m <sup>3</sup>
	100 ppm
OEL chemical category	Skin notation
<b>Romania - Biological limit values</b>	
BLV	2 g/l Parameter: Hippuric acid - Medium: urine - Sampling time: end of shift 3 mg/l Parameter: o-Cresol - Medium: urine - Sampling time: end of shift
<b>Slovakia - Occupational Exposure Limits</b>	
NPHV (OEL TWA)	192 mg/m <sup>3</sup>
	50 ppm
NPHV (OEL C)	384 mg/m <sup>3</sup> (also biological monitoring considered)
OEL chemical category	Potential for cutaneous absorption
<b>Slovakia - Biological limit values</b>	
BLV	600 µg/l Parameter: Toluene - Medium: blood - Sampling time: end of exposure or work shift 1.5 mg/l Parameter: o-Cresol - Medium: urine - Sampling time: after all work shifts (for long-term exposure) 1.5 mg/l Parameter: o-Cresol - Medium: urine - Sampling time: end of exposure or work shift 2401 mg/g creatinine Parameter: Hippuric acid - Sampling time: end of exposure or work shift
<b>Slovenia - Occupational Exposure Limits</b>	
OEL TWA	192 mg/m <sup>3</sup>
	50 ppm
OEL STEL	384 mg/m <sup>3</sup>
	100 ppm
OEL chemical category	Category 2, Potential for cutaneous absorption
<b>Spain - Occupational Exposure Limits</b>	
VLA-ED (OEL TWA)	192 mg/m <sup>3</sup> (indicative limit value)
	50 ppm (indicative limit value)
VLA-EC (OEL STEL)	384 mg/m <sup>3</sup>
	100 ppm
OEL chemical category	skin - potential for cutaneous absorption

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<b>Toluene (108-88-3)</b>	
<b>Spain - Biological limit values</b>	
BLV	0.6 mg/l Parameter: o-Cresol - Medium: urine - Sampling time: end of shift 0.05 mg/l Parameter: Toluene - Medium: blood - Sampling time: start of last shift of workweek 0.08 mg/l Parameter: Toluene - Medium: urine - Sampling time: end of shift
<b>Sweden - Occupational Exposure Limits</b>	
NGV (OEL TWA)	192 mg/m <sup>3</sup> 50 ppm
KGV (OEL STEL)	384 mg/m <sup>3</sup> 100 ppm
OEL chemical category	Skin notation
<b>United Kingdom - Occupational Exposure Limits</b>	
WEL TWA (OEL TWA)	191 mg/m <sup>3</sup> 50 ppm
WEL STEL (OEL STEL)	384 mg/m <sup>3</sup> 100 ppm
WEL chemical category	Potential for cutaneous absorption
<b>Norway - Occupational Exposure Limits</b>	
Grenseverdi (OEL TWA)	94 mg/m <sup>3</sup> 25 ppm
Korttidsverdi (OEL STEL)	141 mg/m <sup>3</sup> (value calculated) 37.5 ppm (value calculated)
OEL chemical category	Skin notation
<b>Switzerland - Occupational Exposure Limits</b>	
MAK (OEL TWA)	190 mg/m <sup>3</sup> 50 ppm
KZGW (OEL STEL)	760 mg/m <sup>3</sup> 200 ppm
OEL chemical category	Skin notation, Category 2 reproductive toxin
<b>Switzerland - BAT</b>	
BAT	600 µg/l Parameter: Toluene - Medium: whole blood - Sampling time: end of shift 6.48 µmol/l Parameter: Toluene - Medium: whole blood - Sampling time: end of shift 2 g/g creatinine Parameter: Hippuric acid - Medium: urine - Sampling time: end of shift, and after several shifts (for long-term exposures) Parameter: Hippuric acid - Medium: urine - Sampling time: end of shift, and after several shifts (for long-term exposures) 0.5 mg/l Parameter: o-Cresol - Medium: urine - Sampling time: end of shift, and after several shifts (for long-term exposures) 4.62 µmol/l Parameter: o-Cresol - Medium: urine - Sampling time: end of shift, and after several shifts (for long-term exposures) 75 µg/l Parameter: Toluol - Medium: urine - Sampling time: end of shift
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH OEL TWA	20 ppm

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<b>Toluene (108-88-3)</b>	
ACGIH chemical category	Not Classifiable as a Human Carcinogen
<b>USA - ACGIH - Biological Exposure Indices</b>	
BEI	0.02 mg/l Parameter: Toluene - Medium: blood - Sampling time: prior to last shift of workweek 0.03 mg/l Parameter: Toluene - Medium: urine - Sampling time: end of shift 0.3 mg/g creatinine Parameter: o-Cresol with hydrolysis - Medium: urine - Sampling time: end of shift (background)
<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> 50 ppm
Remark	Possibility of significant uptake through the skin
<b>Austria - Occupational Exposure Limits</b>	
MAK (OEL TWA)	307 mg/m <sup>3</sup> (mixed isomers) 50 ppm (mixed isomers)
MAK (OEL STEL)	614 mg/m <sup>3</sup> (isomers mixtures) 100 ppm (isomers mixtures)
OEL chemical category	Skin notation
<b>Belgium - Occupational Exposure Limits</b>	
OEL TWA	308 mg/m <sup>3</sup> 50 ppm
OEL chemical category	Skin, Skin notation
<b>Bulgaria - Occupational Exposure Limits</b>	
OEL TWA	308 mg/m <sup>3</sup> 50 ppm
<b>Croatia - Occupational Exposure Limits</b>	
GVI (OEL TWA)	308 mg/m <sup>3</sup> 50 ppm
OEL chemical category	Skin notation
<b>Cyprus - Occupational Exposure Limits</b>	
OEL TWA	308 mg/m <sup>3</sup> 50 ppm
OEL chemical category	Skin-potential for cutaneous absorption
<b>Czech Republic - Occupational Exposure Limits</b>	
PEL (OEL TWA)	270 mg/m <sup>3</sup>
OEL chemical category	Potential for cutaneous absorption
<b>Denmark - Occupational Exposure Limits</b>	
OEL TWA	309 mg/m <sup>3</sup> 50 ppm
OEL STEL	618 mg/m <sup>3</sup>

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

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<b>Dipropylene glycol monomethyl ether (34590-94-8)</b>	
<b>Latvia - Occupational Exposure Limits</b>	
OEL TWA	308 mg/m <sup>3</sup>
	50 ppm
OEL 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)
	50 ppm (2-(2-Methoxypropoxy)-propanol)
TPRV (OEL STEL)	450 mg/m <sup>3</sup> (2-(2-Methoxypropoxy)-propanol)
	75 ppm (2-(2-Methoxypropoxy)-propanol)
OEL chemical category	Skin notation
<b>Luxembourg - Occupational Exposure Limits</b>	
OEL TWA	308 mg/m <sup>3</sup>
	50 ppm
OEL chemical category	Possibility of significant uptake through the skin
<b>Malta - Occupational Exposure Limits</b>	
OEL TWA	308 mg/m <sup>3</sup>
	50 ppm
OEL chemical category	Possibility of significant uptake through the skin
<b>Netherlands - Occupational Exposure Limits</b>	
TGG-8u (OEL TWA)	300 mg/m <sup>3</sup>
	48.7 ppm
<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)
	50 ppm (indicative limit value)
OEL STEL	150 ppm
OEL chemical category	skin - potential for cutaneous exposure indicative limit value
<b>Romania - Occupational Exposure Limits</b>	
OEL TWA	308 mg/m <sup>3</sup>
	50 ppm
OEL chemical category	Skin notation
<b>Slovakia - Occupational Exposure Limits</b>	
NPHV (OEL TWA)	308 mg/m <sup>3</sup>
	50 ppm
OEL chemical category	Potential for cutaneous absorption

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<b>Dipropylene glycol monomethyl ether (34590-94-8)</b>	
<b>Slovenia - Occupational Exposure Limits</b>	
OEL TWA	308 mg/m <sup>3</sup>
	50 ppm
OEL STEL	308 mg/m <sup>3</sup>
	50 ppm
OEL chemical category	Potential for cutaneous absorption
<b>Spain - Occupational Exposure Limits</b>	
VLA-ED (OEL TWA)	308 mg/m <sup>3</sup> (indicative limit value)
	50 ppm (indicative limit value)
OEL chemical category	skin - potential for cutaneous absorption
<b>Sweden - Occupational Exposure Limits</b>	
NGV (OEL TWA)	300 mg/m <sup>3</sup>
	50 ppm
KGV (OEL STEL)	450 mg/m <sup>3</sup>
	75 ppm
OEL chemical category	Skin notation
<b>United Kingdom - Occupational Exposure Limits</b>	
WEL TWA (OEL TWA)	308 mg/m <sup>3</sup>
	50 ppm
WEL STEL (OEL STEL)	924 mg/m <sup>3</sup> (calculated)
	150 ppm (calculated)
OEL chemical category	Potential for cutaneous absorption
<b>Norway - Occupational Exposure Limits</b>	
Grenseverdi (OEL TWA)	300 mg/m <sup>3</sup>
	50 ppm
Korttidsverdi (OEL STEL)	375 mg/m <sup>3</sup> (value calculated)
	75 ppm (value calculated)
OEL chemical category	Skin notation
<b>Switzerland - Occupational Exposure Limits</b>	
MAK (OEL TWA)	300 mg/m <sup>3</sup> (aerosol, vapour)
	50 ppm (aerosol, vapour)
KZGW (OEL STEL)	300 mg/m <sup>3</sup> (aerosol, vapour)
	50 ppm (aerosol, vapour)
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH OEL TWA	50 ppm (Dipropylene glycol methyl ether)
<b>isopentyl acetate (123-92-2)</b>	
<b>EU - Indicative Occupational Exposure Limit (IOEL)</b>	
IOEL TWA	270 mg/m <sup>3</sup>
	50 ppm

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<b>isopentyl acetate (123-92-2)</b>	
IOEL STEL	540 mg/m <sup>3</sup>
	100 ppm
<b>Austria - Occupational Exposure Limits</b>	
MAK (OEL TWA)	270 mg/m <sup>3</sup> (Pentyl acetate (all isomers))
	50 ppm (Pentyl acetate (all isomers))
MAK (OEL STEL)	540 mg/m <sup>3</sup> (Pentylacetate)
	100 ppm (Pentylacetate)
<b>Belgium - Occupational Exposure Limits</b>	
OEL TWA	270 mg/m <sup>3</sup>
	50 ppm
OEL STEL	540 mg/m <sup>3</sup>
	100 ppm
<b>Bulgaria - Occupational Exposure Limits</b>	
OEL TWA	270 mg/m <sup>3</sup>
	50 ppm
OEL STEL	540 mg/m <sup>3</sup>
	100 ppm
<b>Croatia - Occupational Exposure Limits</b>	
GVI (OEL TWA)	270 mg/m <sup>3</sup>
	50 ppm
KGVI (OEL STEL)	540 mg/m <sup>3</sup>
	100 ppm
<b>Cyprus - Occupational Exposure Limits</b>	
OEL TWA	270 mg/m <sup>3</sup>
	50 ppm
OEL STEL	540 mg/m <sup>3</sup>
	100 ppm
<b>Denmark - Occupational Exposure Limits</b>	
OEL TWA	271 mg/m <sup>3</sup> (Amyl acetate, all isomers)
	50 ppm (Amyl acetate, all isomers)
OEL STEL	540 mg/m <sup>3</sup>
	100 ppm
<b>Estonia - Occupational Exposure Limits</b>	
OEL TWA	270 mg/m <sup>3</sup>
	50 ppm
OEL STEL	540 mg/m <sup>3</sup>
	100 ppm
<b>Finland - Occupational Exposure Limits</b>	
HTP (OEL TWA)	270 mg/m <sup>3</sup> (Pentyl acetate)

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<b>isopentyl acetate (123-92-2)</b>	
	50 ppm (Pentyl acetate)
HTP (OEL STEL)	540 mg/m <sup>3</sup>
	100 ppm
<b>France - Occupational Exposure Limits</b>	
VME (OEL TWA)	270 mg/m <sup>3</sup> (restrictive limit)
	50 ppm (restrictive limit)
VLE (OEL C/STEL)	540 mg/m <sup>3</sup> (restrictive limit)
	100 ppm (restrictive limit)
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
AGW (OEL TWA)	270 mg/m <sup>3</sup>
	50 ppm
<b>Gibraltar - Occupational Exposure Limits</b>	
OEL TWA	270 mg/m <sup>3</sup>
	50 ppm
OEL STEL	540 mg/m <sup>3</sup>
	100 ppm
<b>Greece - Occupational Exposure Limits</b>	
OEL TWA	530 mg/m <sup>3</sup>
	100 ppm
OEL STEL	800 mg/m <sup>3</sup>
	150 ppm
<b>Hungary - Occupational Exposure Limits</b>	
AK (OEL TWA)	270 mg/m <sup>3</sup>
CK (OEL STEL)	540 mg/m <sup>3</sup>
<b>Ireland - Occupational Exposure Limits</b>	
OEL TWA	260 mg/m <sup>3</sup>
	50 ppm
OEL STEL	520 mg/m <sup>3</sup>
	100 ppm
<b>Italy - Occupational Exposure Limits</b>	
OEL TWA	270 mg/m <sup>3</sup>
	50 ppm
OEL STEL	540 mg/m <sup>3</sup>
	100 ppm
<b>Latvia - Occupational Exposure Limits</b>	
OEL TWA	270 mg/m <sup>3</sup>
	50 ppm
<b>Lithuania - Occupational Exposure Limits</b>	
IPRV (OEL TWA)	270 mg/m <sup>3</sup>

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<b>isopentyl acetate (123-92-2)</b>	
	50 ppm
TPRV (OEL STEL)	540 mg/m <sup>3</sup>
	100 ppm
<b>Luxembourg - Occupational Exposure Limits</b>	
OEL TWA	270 mg/m <sup>3</sup>
	50 ppm
OEL STEL	540 mg/m <sup>3</sup>
	100 ppm
<b>Malta - Occupational Exposure Limits</b>	
OEL TWA	270 mg/m <sup>3</sup>
	50 ppm
OEL STEL	540 mg/m <sup>3</sup>
	100 ppm
<b>Netherlands - Occupational Exposure Limits</b>	
TGG-15min (OEL STEL)	530 mg/m <sup>3</sup>
	98.1 ppm
<b>Poland - Occupational Exposure Limits</b>	
NDS (OEL TWA)	250 mg/m <sup>3</sup>
NDSch (OEL STEL)	500 mg/m <sup>3</sup>
<b>Portugal - Occupational Exposure Limits</b>	
OEL TWA	270 mg/m <sup>3</sup> (indicative limit value)
	50 ppm (indicative limit value (Pentyl acetate, all isomers))
OEL STEL	540 mg/m <sup>3</sup> (indicative limit value)
	100 ppm (indicative limit value)
<b>Romania - Occupational Exposure Limits</b>	
OEL TWA	270 mg/m <sup>3</sup>
	50 ppm
OEL STEL	540 mg/m <sup>3</sup>
	100 ppm
<b>Slovakia - Occupational Exposure Limits</b>	
NPHV (OEL TWA)	270 mg/m <sup>3</sup>
	50 ppm
NPHV (OEL C)	540 mg/m <sup>3</sup>
<b>Slovenia - Occupational Exposure Limits</b>	
OEL TWA	270 mg/m <sup>3</sup>
	50 ppm
OEL STEL	540 mg/m <sup>3</sup>
	100 ppm

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<b>isopentyl acetate (123-92-2)</b>	
<b>Spain - Occupational Exposure Limits</b>	
VLA-ED (OEL TWA)	270 mg/m <sup>3</sup> (indicative limit value)
	50 ppm (indicative limit value)
VLA-EC (OEL STEL)	540 mg/m <sup>3</sup>
	100 ppm
<b>Sweden - Occupational Exposure Limits</b>	
NGV (OEL TWA)	270 mg/m <sup>3</sup> (Pentyl acetates)
	50 ppm (Pentyl acetates)
KGV (OEL STEL)	540 mg/m <sup>3</sup> (Pentyl acetates)
	100 ppm (Pentyl acetates)
<b>Norway - Occupational Exposure Limits</b>	
Grenseverdi (OEL TWA)	260 mg/m <sup>3</sup>
	50 ppm
Korttidsverdi (OEL STEL)	325 mg/m <sup>3</sup> (value calculated)
	75 ppm (value calculated)
<b>Switzerland - Occupational Exposure Limits</b>	
MAK (OEL TWA)	260 mg/m <sup>3</sup> (Pentyl acetate all isomers)
	50 ppm (Pentyl acetate all isomers)
KZGW (OEL STEL)	260 mg/m <sup>3</sup> (Pentyl acetate all isomers)
	50 ppm (Pentyl acetate all isomers)
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH OEL TWA	50 ppm (Pentyl acetate, all isomers)
ACGIH OEL STEL	100 ppm (Pentyl acetate, all isomers)
<b>Benzyl acetate (140-11-4)</b>	
<b>Belgium - Occupational Exposure Limits</b>	
OEL TWA	62 mg/m <sup>3</sup>
	10 ppm
<b>Denmark - Occupational Exposure Limits</b>	
OEL TWA	61 mg/m <sup>3</sup>
	10 ppm
OEL STEL	122 mg/m <sup>3</sup>
	20 ppm
<b>Ireland - Occupational Exposure Limits</b>	
OEL TWA	10 ppm
OEL STEL	30 ppm (calculated)
<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>

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<b>Benzyl acetate (140-11-4)</b>	
<b>Portugal - Occupational Exposure Limits</b>	
OEL TWA	10 ppm
OEL chemical category	A4 - Not Classifiable as a Human Carcinogen
<b>Romania - Occupational Exposure Limits</b>	
OEL TWA	50 mg/m <sup>3</sup>
	8 ppm
OEL STEL	80 mg/m <sup>3</sup>
	13 ppm
<b>Spain - Occupational Exposure Limits</b>	
VLA-ED (OEL TWA)	62 mg/m <sup>3</sup>
	10 ppm
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH OEL TWA	10 ppm
ACGIH chemical category	Not Classifiable as a Human Carcinogen
<b>benzyl alcohol (100-51-6)</b>	
<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)	45 mg/m <sup>3</sup>
	10 ppm
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
AGW (OEL TWA)	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)
	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>
OEL chemical category	Skin notation
<b>Poland - Occupational Exposure Limits</b>	
NDS (OEL TWA)	240 mg/m <sup>3</sup>
<b>Slovenia - Occupational Exposure Limits</b>	
OEL TWA	22 mg/m <sup>3</sup>
	5 ppm
OEL STEL	44 mg/m <sup>3</sup>

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benzyl alcohol (100-51-6)	
	10 ppm
OEL chemical category	Potential for cutaneous absorption
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	22 mg/m <sup>3</sup> (aerosol, vapour)
	5 ppm (aerosol, vapour)
OEL chemical category	Skin notation

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

No additional information available

### 8.2.2. Personal protection equipment

**Personal protective equipment:**

Avoid all unnecessary exposure.

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



#### 8.2.2.1. Eye and face protection

**Eye protection:**

Chemical goggles or safety glasses

#### 8.2.2.2. Skin protection

**Hand protection:**

Wear protective gloves.

#### 8.2.2.3. Respiratory protection

**Respiratory protection:**

Wear appropriate mask

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

**Other information:**

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

Physical state : Liquid

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Colour	: Conforms to standard.
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Non flammable.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: > 93 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

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<b>benzyl benzoate (120-51-4)</b>	
LD50 oral rat	> 2000 mg/kg (Source: ECHA_API)
LD50 oral	1160 mg/kg bodyweight
LD50 dermal rabbit	4000 mg/kg (Source: NLM_CIP)
<b>COUMARIN (91-64-5)</b>	
LD50 oral rat	> 5000 mg/kg (Source: JAPAN_GHS)
LD50 dermal rat	293 mg/kg (Source: ECHA_API)
<b>Benzyl salicylate (118-58-1)</b>	
LD50 oral rat	2227 mg/kg (Source: NLM_CIP)
LD50 oral	2200 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)
<b>Toluene (108-88-3)</b>	
LD50 oral rat	2600 mg/kg (Source: JAPAN_GHS)
LD50 dermal rabbit	12000 mg/kg (Source: JAPAN_GHS)
LC50 Inhalation - Rat	12.5 mg/l/4h
<b>Dipropylene glycol monomethyl ether (34590-94-8)</b>	
LD50 oral rat	5.35 g/kg (Source: NLM_HSDB)
LD50 dermal rabbit	9500 mg/kg (Source: NLM_CIP)
<b>Allyl heptanoate (142-19-8)</b>	
LD50 oral rat	500 mg/kg (Source: NLM_CIP)
LD50 oral	218 mg/kg
LD50 dermal rabbit	810 mg/kg (Source: ECHA_API)
LD50 dermal	810 mg/kg
<b>Benzyl acetate (140-11-4)</b>	
LD50 oral rat	2490 mg/kg (Source: JAPAN_GHS)
LD50 oral	2490 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg (Source: JAPAN_GHS)
<b>benzyl alcohol (100-51-6)</b>	
LD50 oral rat	1230 mg/kg (Source: NLM_CIP)
LD50 oral	1570 mg/kg
Skin corrosion/irritation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified
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
<b>COUMARIN (91-64-5)</b>	
IARC group	3 - Not classifiable

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### Toluene (108-88-3)

IARC group	3 - Not classifiable
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### Benzyl acetate (140-11-4)

IARC group	3 - Not classifiable
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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

### Toluene (108-88-3)

STOT-single exposure	May cause drowsiness or dizziness.
----------------------	------------------------------------

STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met

### Toluene (108-88-3)

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

Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met

### benzyl benzoate (120-51-4)

Viscosity, kinematic	7.456 mm <sup>2</sup> /s
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### Toluene (108-88-3)

Hydrocarbon	Yes
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## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

No additional information available

### 11.2.2. Other information

Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met
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## SECTION 12: Ecological information

### 12.1. Toxicity

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

### benzyl benzoate (120-51-4)

LC50 - Fish [1]	2.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)
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NOEC (chronic)	0.168 mg/l
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### Benzyl salicylate (118-58-1)

LC50 - Fish [1]	1.03 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)
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### Toluene (108-88-3)

LC50 - Fish [1]	15.22 – 19.05 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
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LC50 - Fish [2]	12.6 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA)
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EC50 - Crustacea [1]	5.46 – 9.83 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
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<b>Toluene (108-88-3)</b>	
EC50 - Crustacea [2]	11.5 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	12.5 mg/l (Species: Pseudokirchneriella subcapitata [static])
EC50 96h - Algae [1]	> 433 mg/l (Species: Pseudokirchneriella subcapitata)
<b>Dipropylene glycol monomethyl ether (34590-94-8)</b>	
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)
<b>benzyl alcohol (100-51-6)</b>	
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)

### 12.2. Persistence and degradability

<b>PINA COLADA CC-16090 10% in DPG</b>	
Persistence and degradability	Not established.
<b>benzyl benzoate (120-51-4)</b>	
Persistence and degradability	May cause long-term adverse effects in the environment.
<b>COUMARIN (91-64-5)</b>	
Persistence and degradability	Rapidly degradable
<b>Benzyl salicylate (118-58-1)</b>	
Persistence and degradability	Rapidly degradable
<b>Toluene (108-88-3)</b>	
Persistence and degradability	Rapidly degradable
<b>Dipropylene glycol monomethyl ether (34590-94-8)</b>	
Persistence and degradability	Rapidly degradable
<b>Allyl heptanoate (142-19-8)</b>	
Persistence and degradability	Rapidly degradable
<b>isopentyl acetate (123-92-2)</b>	
Persistence and degradability	Rapidly degradable
<b>Benzyl acetate (140-11-4)</b>	
Persistence and degradability	Rapidly degradable
<b>benzyl alcohol (100-51-6)</b>	
Persistence and degradability	Rapidly degradable

### 12.3. Bioaccumulative potential

<b>PINA COLADA CC-16090 10% in DPG</b>	
Bioaccumulative potential	Not established.

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<b>benzyl benzoate (120-51-4)</b>	
Partition coefficient n-octanol/water (Log Pow)	3.97 (at 25 °C)
Bioaccumulative potential	Not established.
<b>Benzyl salicylate (118-58-1)</b>	
Partition coefficient n-octanol/water (Log Pow)	4
<b>Toluene (108-88-3)</b>	
Partition coefficient n-octanol/water (Log Pow)	2.73 (at 20 °C (at pH 7)
<b>Dipropylene glycol monomethyl ether (34590-94-8)</b>	
Partition coefficient n-octanol/water (Log Pow)	0.35 (at 25 °C (at pH 7)
<b>Allyl heptanoate (142-19-8)</b>	
Partition coefficient n-octanol/water (Log Pow)	3.97 (at 20 °C (at pH 5.3)
<b>isopentyl acetate (123-92-2)</b>	
Partition coefficient n-octanol/water (Log Pow)	2.7 (at 35 °C)
<b>Benzyl acetate (140-11-4)</b>	
Partition coefficient n-octanol/water (Log Pow)	1.96 (at 25 °C (at pH 7)
<b>benzyl alcohol (100-51-6)</b>	
Partition coefficient n-octanol/water (Log Pow)	1.05

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

Additional information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Ecological information : Avoid release to the environment.  
HP Code : HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

## SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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ADR	IMDG	IATA	ADN	RID
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
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. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

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

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(a)	Toluene ; isopentyl 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)	benzyl benzoate ; Benzyl salicylate ; Toluene ; Allyl heptanoate ; 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

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EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(c)	PINA COLADA CC-16090 10% in DPG ; benzyl benzoate ; Benzyl salicylate ; Allyl heptanoate ; Benzyl 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 class 4.1
40.	Toluene ; isopentyl 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.
48.	Toluene	Toluene

### REACH Annex XIV (Authorisation List)

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

### REACH Candidate List (SVHC)

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

### PIC Regulation (Prior Informed Consent)

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

### POP Regulation (Persistent Organic Pollutants)

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

### Ozone Regulation (1005/2009)

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

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

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

### Explosives Precursors Regulation (2019/1148)

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

### Drug Precursors Regulation (273/2004)

Contains 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)

Name	CN designation	CAS-No.	CN code	Category, Subcategory	Threshold	Annex
Toluene		108-88-3	2902 30 00	Category 3		Annex I

### 15.1.2. National regulations

#### France

Occupational diseases	
Code	Description
RG 4 BIS	Gastrointestinal disorders caused by benzene, toluene, xylenes and all products containing them
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 2, Significantly hazardous to water (Classification according to AwSV, Annex 1).  
Major Accidents Ordinance (12. BImSchV) : Is not subject to the Major Accidents Ordinance (12. BImSchV)

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### Netherlands

ABM category	: A(2) - toxic for aquatic organisms, may have longterm hazardous effects in aquatic environment
SZW-lijst van kankerverwekkende stoffen	: None of the components are listed
SZW-lijst van mutagene stoffen	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: Toluene is 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

## 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. 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 (Inhalation)	Acute toxicity (inhal.), 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 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 COUMARIN, Benzyl salicylate. May produce an allergic reaction.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

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Full text of H- and EUH-statements:	
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.