## Safety Data Sheet

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

Issue date: 11/27/2024 Version: 1.0



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

#### 1.1. Product identifier

Product form : Mixture

: CINNAMON STREUSEL CC-16120 5% in DPG Product name

Product code : CC-16120\_5% Type of product : Perfumes, fragrances

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

#### 1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial

For professional use only 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]

Skin sensitisation, Category 1 H317 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]

Hazard pictograms (CLP)



GHS07

Signal word (CLP) : Warning

Contains : Cinnamic aldehyde; benzyl alcohol; COUMARIN Hazard statements (CLP) : H317 - May cause an allergic skin reaction.

H412 - Harmful to aquatic life with long lasting effects.

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

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

P273 - Avoid release to the environment.

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

protection.

## Safety Data Sheet

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

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

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

Extra phrases : For professional users only.

### 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 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 %

## **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	1.265 – 2.53475	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Cinnamic aldehyde	CAS-No.: 104-55-2 EC-No.: 203-213-9 EC Index-No.: 606-155-00-6 REACH-no: 01-2119935242-	0.6165 – 1.2325	Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1A, H317 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-	0.105 – 0.21	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
COUMARIN	CAS-No.: 91-64-5 EC-No.: 202-086-7 REACH-no: 01-2119943756- 26	0.055003 – 0.112506	Acute Tox. 4 (Oral), H302 Skin Sens. 1B, H317
benzaldehyde substance with national workplace exposure limit(s) (BG, FI, HU, LT, LV, PL)	CAS-No.: 100-52-7 EC-No.: 202-860-4 EC Index-No.: 605-012-00-5 REACH-no: 01-2119455540-	0.0065 – 0.0115	Acute Tox. 4 (Oral), H302
Benzyl acetate substance with national workplace exposure limit(s) (BE, DK, ES, IE, LT, LV, PT, RO)	CAS-No.: 140-11-4 EC-No.: 205-399-7 REACH-no: 01-2119638272- 42	0.005 – 0.01	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	0.005 – 0.0075	Flam. Liq. 3, H226

## Safety Data Sheet

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

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
(R)-p-mentha-1,8-diene; d-limonene substance with national workplace exposure limit(s) (DE, ES, FI, SI, NO, CH)	CAS-No.: 5989-27-5 EC-No.: 205-341-0 EC Index-No.: 601-096-00-2 REACH-no: 01-2119493353- 35	< 0.0006	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
.alphaPinene substance with national workplace exposure limit(s) (BE, EE, ES, LT, PT, SE, NO)	CAS-No.: 80-56-8 EC-No.: 201-291-9	< 0.0006	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
.betaPinene substance with national workplace exposure limit(s) (BE, EE, ES, LT, PT, SE, NO)	CAS-No.: 127-91-3 EC-No.: 204-872-5	< 0.0006	Flam. Liq. 3, H226
Dipropylene glycol monomethyl ether substance with national workplace exposure limit(s) (AT, BE, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GI, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, NO, CH, TR); substance with a Community workplace exposure limit	CAS-No.: 34590-94-8 EC-No.: 252-104-2	0.0000254 – 0.000053975	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	≤ 0.000000637 5	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361d STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304

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

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

### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

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

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

followed by warm water rinse.

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

persists

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

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

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

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

No additional information available

## **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

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

11/27/2024 (Issue date) EN (English) 3/34

### Safety Data Sheet

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

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

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

No additional information available

#### 5.3. Advice for firefighters

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

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

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

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

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

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

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

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

Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

### **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. Strong bases. Strong acids.

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 : IGK 1 IGK 2A IG

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

## Safety Data Sheet

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

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

benzyl alcohol (100-51-6)		
Bulgaria - Occupational Exposure Limits		
OEL TWA	5 mg/m³	
Czech Republic - Occupational Exposure Limits		
PEL (OEL TWA)	40 mg/m³	
Finland - Occupational Exposure Limits		
HTP (OEL TWA)	45 mg/m³	
	10 ppm	
Germany - Occupational Exposure Limits (TRGS 90	0)	
AGW (OEL TWA)	22 mg/m³ (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	
Latvia - Occupational Exposure Limits		
OEL TWA	5 mg/m³	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	5 mg/m³	
OEL chemical category	Skin notation	
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	240 mg/m³	
Slovenia - Occupational Exposure Limits		
OEL TWA	22 mg/m³	
	5 ppm	
OEL STEL	44 mg/m³	
	10 ppm	
OEL chemical category	Potential for cutaneous absorption	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA)	22 mg/m³ (aerosol, vapour)	
	5 ppm (aerosol, vapour)	

11/27/2024 (Issue date) EN (English) 5/34

# Safety Data Sheet

benzyl alcohol (100-51-6)	
OEL chemical category	Skin notation
(R)-p-mentha-1,8-diene; d-limonene (5989-27-	5)
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	140 mg/m³
	25 ppm
HTP (OEL STEL)	280 mg/m³
	50 ppm
Germany - Occupational Exposure Limits (TRGS 90	00)
AGW (OEL TWA)	28 mg/m³ (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, Skin sensitization
Slovenia - Occupational Exposure Limits	
OEL TWA	28 mg/m³
	5 ppm
OEL STEL	112 mg/m³
	20 ppm
OEL chemical category	Potential for cutaneous absorption
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	168 mg/m³
	30 ppm
OEL chemical category	Sensitizer, skin - potential for cutaneous absorption
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	140 mg/m³
	25 ppm
Korttidsverdi (OEL STEL)	175 mg/m³ (value calculated)
	37.5 ppm (value calculated)
OEL chemical category	Allergenic substance
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	40 mg/m³
	7 ppm
KZGW (OEL STEL)	80 mg/m³
	14 ppm
OEL chemical category	Sensitizer
.alphaPinene (80-56-8)	
Belgium - Occupational Exposure Limits	
OEL TWA	20 ppm

# Safety Data Sheet

.alphaPinene (80-56-8)	
Estonia - Occupational Exposure Limits	
OEL TWA	150 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)
	25 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)
OEL STEL	300 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)
	50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)
Lithuania - Occupational Exposure Limits	
IPRV (OEL TWA)	150 mg/m³
	25 ppm
TPRV (OEL STEL)	300 mg/m³
	50 ppm
Portugal - Occupational Exposure Limits	
OEL TWA	20 ppm (Turpentine and selected Monoterpenes)
OEL chemical category	Sensitizer dermal, A4 - Not Classifiable as a Human Carcinogen
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	113 mg/m³
	20 ppm
OEL chemical category	Sensitizer
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	150 mg/m³
	25 ppm
KGV (OEL STEL)	300 mg/m³
	50 ppm
OEL chemical category	Sensitizer
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	140 mg/m³
	25 ppm
Korttidsverdi (OEL STEL)	175 mg/m³ (value calculated)
	37.5 ppm (value calculated)
OEL chemical category	Skin notation
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	20 ppm (Turpentine and selected Monoterpenes)
ACGIH chemical category	Not Classifiable as a Human Carcinogen, dermal sensitizer
.betaPinene (127-91-3)	
Belgium - Occupational Exposure Limits	
OEL TWA	20 ppm
<u> </u>	

# Safety Data Sheet

.betaPinene (127-91-3)	
Estonia - Occupational Exposure Limits	
OEL TWA	150 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)
	25 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)
OEL STEL	300 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)
	50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)
Lithuania - Occupational Exposure Limits	S
IPRV (OEL TWA)	150 mg/m³
	25 ppm
TPRV (OEL STEL)	300 mg/m³
	50 ppm
Portugal - Occupational Exposure Limits	
OEL TWA	20 ppm (Turpentine and selected Monoterpenes)
OEL chemical category	Sensitizer dermal, A4 - Not Classifiable as a Human Carcinogen
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	113 mg/m³
	20 ppm
OEL chemical category	Sensitizer
Sweden - Occupational Exposure Limits	·
NGV (OEL TWA)	150 mg/m³
	25 ppm
KGV (OEL STEL)	300 mg/m³
	50 ppm
OEL chemical category	Sensitizer
Norway - Occupational Exposure Limits	·
Grenseverdi (OEL TWA)	140 mg/m³
	25 ppm
Korttidsverdi (OEL STEL)	175 mg/m³ (value calculated)
	37.5 ppm (value calculated)
USA - ACGIH - Occupational Exposure Li	imits
ACGIH OEL TWA	20 ppm (Turpentine and selected Monoterpenes)
ACGIH chemical category	Not Classifiable as a Human Carcinogen, dermal sensitizer
Toluene (108-88-3)	
EU - Indicative Occupational Exposure Li	imit (IOEL)
IOEL TWA	192 mg/m³
	50 ppm
IOEL STEL	384 mg/m³

# Safety Data Sheet

Remark Austria - Occupational Exposure Limits  MAK (OEL TWA)    190 mg/m²	Toluene (108-88-3)	
Austria - Occupational Exposure Limits  MAK (OEL TWA)    190 mg/m²     50 ppm     100 ppm     OEL chemical category   Skin notation     Belgium - Occupational Exposure Limits     OEL STEL   20 ppm     OEL STEL   304 mg/m²     100 ppm     OEL chemical category   Skin, Skin notation     OEL STEL   20 ppm     OEL chemical category   Skin, Skin notation     OEL STEL   20 ppm     OEL chemical category   Skin, Skin notation     Bulgaria - Occupational Exposure Limits     OEL TWA   192 mg/m²     50 ppm     OEL STEL   384 mg/m²     100 ppm     OEL Chemical category   Skin notation     OFT		100 ppm
MAK (OEL TWA)	Remark	Possibility of significant uptake through the skin
MAK (OEL STEL)   380 mg/m³   100 ppm	Austria - Occupational Exposure Limits	
MAK (OEL STEL)  380 mg/m² 100 ppm  OEL chemical category  Skin notation  Belgium - Occupational Exposure Limits  OEL TWA  77 mg/m² 20 ppm  OEL STEL  384 mg/m² 100 ppm  OEL chemical category  Skin, Skin notation  Bulgaria - Occupational Exposure Limits  OEL TWA  192 mg/m² 50 ppm  OEL STEL  384 mg/m² 100 ppm  DEL STEL  384 mg/m² 100 ppm  DEL STEL  18 mmol/mmol Creatinine Parameter: Hippuric acid - Medium: urine - Sampling time: at the end of the xposure or end of work shift or a sampling time and the end of seposure or end of work shift or a sampling time and the end of seposure or end of work shift or a sampling time and the sampling time and the end of the work shift or a sampling time and the end of the work shift or a sampling time and the work shift or a sampling time and the end of the work shift or a sampling time and the end of the work shift or a sampling time and the end of the work shift (calculated on the average Creatinine value of 1.2 g/L urine)  Cyprus - Occupational Exposure Limits  OEL TWA  192 mg/m³ 50 ppm  OEL STEL  394 mg/m³ 100 ppm  OEL STEL  192 mg/m³ 50 ppm  OEL STEL  394 mg/m³ 100 ppm	MAK (OEL TWA)	190 mg/m³
Delicition   Del		50 ppm
Skin notation   Seiglum - Occupational Exposure Limits   77 mg/m³   20 pm	MAK (OEL STEL)	380 mg/m³
Belgium - Occupational Exposure Limits  OEL STEL  20 ppm  OEL STEL  384 mg/m³ 100 ppm  OEL chemical category  Skin, Skin notation  Bulgarla - Occupational Exposure Limits  OEL TWA  192 mg/m³ 50 ppm  OEL STEL  384 mg/m³ 100 ppm  OEL STEL  SWI (OEL STEL)  192 mg/m³ 50 ppm  OEL STEL  192 mg/m³ 50 ppm  OEL Chemical Category  Skin notation  Croatia - Occupational Exposure Limits  OEL chemical category  Skin notation  OEL chemical category  Skin notation  Croatia - Biological limit values  BLV  1 mg/l Parameter. Toluene - Medium: blood - Sampling time: at the end of the work shift of th		100 ppm
OEL TWA     77 mg/m³       20 ppm     384 mg/m³       OEL STEL     384 mg/m³       0EL chemical category     \$kin, \$kin notation       Bulgaria - Occupational Exposure Limits       OEL TWA     192 mg/m³       50 ppm     50 ppm       OEL STEL     384 mg/m³       100 ppm     190 ppm       Bulgaria - Biological limit values       BLV     1.6 mmol/mmol Creatinine Parameter: Hippuric acid - Medium: urine - Sampling time: at the end of exposure or end of work shift       Croatia - Occupational Exposure Limits       GVI (OEL TWA)     192 mg/m³       50 ppm       KGVI (OEL STEL)     384 mg/m³       100 ppm       OEL chemical category     3kin notation       Croatia - Biological limit values       BLV     1 mg/l Parameter: Toluene - Medium: binal exhaled air - Sampling time: at the end of the work shift (acidualted on the average Creatinine value of 1.2 g/L urine)       Croatia - Biological limit values       BLV     1 mg/l parameter: Toluene - Medium: binal exhaled air - Sampling time: at the end of the work shift (calculated on the average Creatinine value of 1.2 g/L urine)       Croatinine Parameter: Filippuric acid - Medium: urine - Sampling time: at the end of the work shift (calculated on the average Creatinine value of 1.2 g/L urine)       Cryprus - Occupational Exposure Limits		

# Safety Data Sheet

Toluene (108-88-3)	
Czech Republic - Occupational Exposure Limits	
PEL (OEL TWA)	200 mg/m³
OEL chemical category	Potential for cutaneous absorption
Czech Republic - Biological limit values	
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.)
Denmark - Occupational Exposure Limits	
OEL TWA	94 mg/m³
	25 ppm
OEL STEL	384 mg/m³
	100 ppm
OEL chemical category	Potential for cutaneous absorption
Estonia - Occupational Exposure Limits	
OEL TWA	192 mg/m³
	50 ppm
OEL STEL	384 mg/m³
	100 ppm
OEL chemical category	Skin notation
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	81 mg/m <sup>3</sup>
	25 ppm
HTP (OEL STEL)	380 mg/m³
	100 ppm
OEL chemical category	Potential for cutaneous absorption
Finland - Biological limit values	
BLV	500 nmol/L Parameter: Toluene - Medium: blood - Sampling time: in the morning after a working day
France - Occupational Exposure Limits	
VME (OEL TWA)	76.8 mg/m³ (restrictive limit)
	20 ppm (restrictive limit)
VLE (OEL C/STEL)	384 mg/m³ (restrictive limit)
	100 ppm (restrictive limit)

# Safety Data Sheet

Toluene (108-88-3)		
OEL chemical category	Reproductive Toxin category 2, Risk of cutaneous absorption	
France - Biological limit values		
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)	
Germany - Occupational Exposure Limits (TRGS 9	00)	
AGW (OEL TWA)	190 mg/m³ (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	
Germany - Biological limit values (TRGS 903)		
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 shift 1.5 mg/l Parameter: o-Cresol (after hydrolysis) - Medium: urine - Sampling time: for long-term exposures: at the end of the shift after several shifts 1.5 mg/l Parameter: o-Cresol (after hydrolysis) - Medium: urine - Sampling time: end of shift	
Gibraltar - Occupational Exposure Limits		
OEL TWA	192 mg/m³	
	50 ppm	
OEL STEL	384 mg/m³	
	100 ppm	
OEL chemical category	Skin notation	
Greece - Occupational Exposure Limits		
OEL TWA	192 mg/m³	
	50 ppm	
OEL STEL	384 mg/m³	
	100 ppm	
OEL chemical category	skin - potential for cutaneous absorption	
Hungary - Occupational Exposure Limits		
AK (OEL TWA)	190 mg/m³	
CK (OEL STEL)	384 mg/m³	
OEL chemical category	Potential for cutaneous absorption	
Ireland - Occupational Exposure Limits		
OEL TWA	192 mg/m³	
	50 ppm	
OEL STEL	384 mg/m³	
	100 ppm	
OEL chemical category	Potential for cutaneous absorption	

# Safety Data Sheet

Toluene (108-88-3)	
Italy - Occupational Exposure Limits	
OEL TWA	192 mg/m³
	50 ppm
OEL chemical category	skin - potential for cutaneous absorption
Latvia - Occupational Exposure Limits	
OEL TWA	50 mg/m³
	14 ppm
OEL chemical category	skin - potential for cutaneous exposure
Latvia - Biological Exposure Indices	
BEI	1.6 g/g creatinine Parameter: Hippuric acid - Medium: urine - Sampling time: end of shift 0.05 mg/l Parameter: Toluene - Medium: blood - Sampling time: end of shift
Lithuania - Occupational Exposure Limits	
IPRV (OEL TWA)	192 mg/m³
	50 ppm
TPRV (OEL STEL)	384 mg/m³
	100 ppm
OEL chemical category	Reproductive toxin, Skin notation
Luxembourg - Occupational Exposure Limits	
OEL TWA	192 mg/m³
	50 ppm
OEL STEL	384 mg/m³
	100 ppm
OEL chemical category	Possibility of significant uptake through the skin
Malta - Occupational Exposure Limits	
OEL TWA	192 mg/m³
	50 ppm
OEL STEL	384 mg/m³
	100 ppm
OEL chemical category	Possibility of significant uptake through the skin
Netherlands - Occupational Exposure Limits	
TGG-8u (OEL TWA)	150 mg/m³
	39 ppm
TGG-15min (OEL STEL)	384 mg/m³
	100 ppm
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	100 mg/m³
NDSCh (OEL STEL)	200 mg/m³
Portugal - Occupational Exposure Limits	· · ·
OEL TWA	192 mg/m³ (indicative limit value)

# Safety Data Sheet

Toluene (108-88-3)	
	50 ppm (indicative limit value)
OEL STEL	384 mg/m³ (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
Romania - Occupational Exposure Limits	
OEL TWA	192 mg/m³
	50 ppm
OEL STEL	384 mg/m³
	100 ppm
OEL chemical category	Skin notation
Romania - Biological limit values	
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
Slovakia - Occupational Exposure Limits	
NPHV (OEL TWA)	192 mg/m³
	50 ppm
NPHV (OEL C)	384 mg/m³ (also biological monitoring considered)
OEL chemical category	Potential for cutaneous absorption
Slovakia - Biological limit values	
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
Slovenia - Occupational Exposure Limits	·
OEL TWA	192 mg/m³
	50 ppm
OEL STEL	384 mg/m³
	100 ppm
OEL chemical category	Category 2, Potential for cutaneous absorption
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	192 mg/m³ (indicative limit value)
	50 ppm (indicative limit value)
VLA-EC (OEL STEL)	384 mg/m³
	100 ppm
OEL chemical category	skin - potential for cutaneous absorption

# Safety Data Sheet

Toluene (108-88-3)		
Spain - Biological limit values		
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	
Sweden - Occupational Exposure Limits		
NGV (OEL TWA)	192 mg/m³	
	50 ppm	
KGV (OEL STEL)	384 mg/m³	
	100 ppm	
OEL chemical category	Skin notation	
United Kingdom - Occupational Exposure Limits		
WEL TWA (OEL TWA)	191 mg/m³	
	50 ppm	
WEL STEL (OEL STEL)	384 mg/m³	
	100 ppm	
WEL chemical category	Potential for cutaneous absorption	
Norway - Occupational Exposure Limits		
Grenseverdi (OEL TWA)	94 mg/m³	
	25 ppm	
Korttidsverdi (OEL STEL)	141 mg/m³ (value calculated)	
	37.5 ppm (value calculated)	
OEL chemical category	Skin notation	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA)	190 mg/m³	
	50 ppm	
KZGW (OEL STEL)	760 mg/m³	
	200 ppm	
OEL chemical category	Skin notation, Category 2 reproductive toxin	
Switzerland - BAT		
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	
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA	20 ppm	

# Safety Data Sheet

Toluene (108-88-3)	
ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA - ACGIH - Biological Exposure Indices	
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)
Dipropylene glycol monomethyl ether (34590-	-94-8)
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	308 mg/m³
	50 ppm
Remark	Possibility of significant uptake through the skin
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	307 mg/m³ (mixed isomers)
	50 ppm (mixed isomers)
MAK (OEL STEL)	614 mg/m³ (isomers mixtures)
	100 ppm (isomers mixtures)
OEL chemical category	Skin notation
Belgium - Occupational Exposure Limits	
OEL TWA	308 mg/m³
	50 ppm
OEL chemical category	Skin, Skin notation
Bulgaria - Occupational Exposure Limits	
OEL TWA	308 mg/m³
	50 ppm
Croatia - Occupational Exposure Limits	
GVI (OEL TWA)	308 mg/m³
	50 ppm
OEL chemical category	Skin notation
Cyprus - Occupational Exposure Limits	
OEL TWA	308 mg/m³
	50 ppm
OEL chemical category	Skin-potential for cutaneous absorption
Czech Republic - Occupational Exposure Limits	
PEL (OEL TWA)	270 mg/m³
OEL chemical category	Potential for cutaneous absorption
Denmark - Occupational Exposure Limits	
OEL TWA	309 mg/m³
	50 ppm
OEL STEL	618 mg/m³

# Safety Data Sheet

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

# Safety Data Sheet

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

# Safety Data Sheet

Dipropylene glycol monomethyl ether (34590-94-8)	
Slovenia - Occupational Exposure Limits	
OEL TWA	308 mg/m³
	50 ppm
OEL STEL	308 mg/m³
	50 ppm
OEL chemical category	Potential for cutaneous absorption
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	308 mg/m³ (indicative limit value)
	50 ppm (indicative limit value)
OEL chemical category	skin - potential for cutaneous absorption
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	300 mg/m³
	50 ppm
KGV (OEL STEL)	450 mg/m³
	75 ppm
OEL chemical category	Skin notation
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	308 mg/m³
	50 ppm
WEL STEL (OEL STEL)	924 mg/m³ (calculated)
	150 ppm (calculated)
WEL chemical category	Potential for cutaneous absorption
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	300 mg/m³
	50 ppm
Korttidsverdi (OEL STEL)	375 mg/m³ (value calculated)
	75 ppm (value calculated)
OEL chemical category	Skin notation
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	300 mg/m³ (aerosol, vapour)
	50 ppm (aerosol, vapour)
KZGW (OEL STEL)	300 mg/m³ (aerosol, vapour)
	50 ppm (aerosol, vapour)
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	50 ppm (Dipropylene glycol methyl ether)
benzaldehyde (100-52-7)	
Bulgaria - Occupational Exposure Limits	
OEL TWA	5 mg/m³
	<u> </u>

# Safety Data Sheet

benzaldehyde (100-52-7)		
Finland - Occupational Exposure Limits		
HTP (OEL TWA)	4.4 mg/m³	
	1 ppm	
HTP (OEL C)	17.4 mg/m³	
	4 ppm	
Hungary - Occupational Exposure Limits		
AK (OEL TWA)	5 mg/m³	
CK (OEL STEL)	10 mg/m³	
Latvia - Occupational Exposure Limits		
OEL TWA	5 mg/m³	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	5 mg/m³	
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	10 mg/m³	
NDSCh (OEL STEL)	40 mg/m³	
Benzyl acetate (140-11-4)		
Belgium - Occupational Exposure Limits		
OEL TWA	62 mg/m³	
	10 ppm	
Denmark - Occupational Exposure Limits		
OEL TWA	61 mg/m³	
	10 ppm	
OEL STEL	122 mg/m³	
	20 ppm	
Ireland - Occupational Exposure Limits		
OEL TWA	10 ppm	
OEL STEL	30 ppm (calculated)	
Latvia - Occupational Exposure Limits		
OEL TWA	5 mg/m³	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	5 mg/m³	
Portugal - Occupational Exposure Limits		
OEL TWA	10 ppm	
OEL chemical category	A4 - Not Classifiable as a Human Carcinogen	
Romania - Occupational Exposure Limits		
OEL TWA	50 mg/m³	
	8 ppm	
OEL STEL	80 mg/m³	
	13 ppm	

# Safety Data Sheet

Benzyl acetate (140-11-4)			
Spain - Occupational Exposure Limits			
VLA-ED (OEL TWA)	62 mg/m³		
	10 ppm		
USA - ACGIH - Occupational Exposure Limits			
ACGIH OEL TWA	10 ppm		
ACGIH chemical category	Not Classifiable as a Human Carcinogen		
isopentyl acetate (123-92-2)			
EU - Indicative Occupational Exposure Limit (IOE	L)		
IOEL TWA	270 mg/m³		
	50 ppm		
IOEL STEL	540 mg/m³		
	100 ppm		
Austria - Occupational Exposure Limits			
MAK (OEL TWA)	270 mg/m³ (Pentyl acetate (all isomers))		
	50 ppm (Pentyl acetate (all isomers))		
MAK (OEL STEL)	540 mg/m³ (Pentylacetate)		
	100 ppm (Pentylacetate)		
Belgium - Occupational Exposure Limits			
OEL TWA	270 mg/m³		
	50 ppm		
OEL STEL	540 mg/m³		
	100 ppm		
Bulgaria - Occupational Exposure Limits			
OEL TWA	270 mg/m³		
	50 ppm		
OEL STEL	540 mg/m³		
	100 ppm		
Croatia - Occupational Exposure Limits			
GVI (OEL TWA)	270 mg/m³		
	50 ppm		
KGVI (OEL STEL)	540 mg/m³		
	100 ppm		
Cyprus - Occupational Exposure Limits	Cyprus - Occupational Exposure Limits		
OEL TWA	270 mg/m³		
	50 ppm		
OEL STEL	540 mg/m³		
	100 ppm		
Denmark - Occupational Exposure Limits			
OEL TWA	271 mg/m³ (Amyl acetate, all isomers)		
	·		

# Safety Data Sheet

	50 ppm (Amyl acetate, all isomers)	
DEL STEL 5		
l de la companya de	540 mg/m³	
	00 ppm	
stonia - Occupational Exposure Limits		
DEL TWA 2	270 mg/m³	
5	50 ppm	
DEL STEL 5	540 mg/m³	
1	00 ppm	
inland - Occupational Exposure Limits		
TP (OEL TWA)	270 mg/m³ (Pentyl acetate)	
5	50 ppm (Pentyl acetate)	
TP (OEL STEL) 5	540 mg/m³	
1	00 ppm	
rance - Occupational Exposure Limits		
ME (OEL TWA)	270 mg/m³ (restrictive limit)	
5	50 ppm (restrictive limit)	
LE (OEL C/STEL) 5	540 mg/m³ (restrictive limit)	
1	00 ppm (restrictive limit)	
ermany - Occupational Exposure Limits (TRGS 900)		
GW (OEL TWA)	270 mg/m³	
5	50 ppm	
bibraltar - Occupational Exposure Limits		
PEL TWA 2	270 mg/m³	
5	50 ppm	
DEL STEL 5	540 mg/m³	
1	00 ppm	
reece - Occupational Exposure Limits		
DEL TWA 5	30 mg/m³	
1	00 ppm	
DEL STEL 8	300 mg/m³	
1	50 ppm	
Hungary - Occupational Exposure Limits		
K (OEL TWA)	270 mg/m³	
K (OEL STEL) 5	540 mg/m³	
reland - Occupational Exposure Limits		
DEL TWA 2	260 mg/m³	
5	50 ppm	
DEL STEL 5	520 mg/m³	
1	00 ppm	

# Safety Data Sheet

5	270 mg/m³	
5	270 mg/m³	
	50 ppm	
OEL STEL 5	540 mg/m³	
1	100 ppm	
Latvia - Occupational Exposure Limits		
OEL TWA 2	270 mg/m³	
5	50 ppm	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	270 mg/m³	
5	50 ppm	
TPRV (OEL STEL) 5	540 mg/m³	
1	100 ppm	
Luxembourg - Occupational Exposure Limits		
OEL TWA 2	270 mg/m³	
5	50 ppm	
OEL STEL 5	540 mg/m³	
1	100 ppm	
Malta - Occupational Exposure Limits		
OEL TWA 2	270 mg/m³	
5	50 ppm	
OEL STEL 5	540 mg/m³	
1	100 ppm	
Netherlands - Occupational Exposure Limits		
TGG-15min (OEL STEL) 5	530 mg/m³	
9	98.1 ppm	
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	250 mg/m³	
NDSCh (OEL STEL) 5	500 mg/m³	
Portugal - Occupational Exposure Limits		
OEL TWA 2	270 mg/m³ (indicative limit value)	
5	50 ppm (indicative limit value (Pentyl acetate, all isomers)	
OEL STEL 5	540 mg/m³ (indicative limit value)	
1	100 ppm (indicative limit value)	
Romania - Occupational Exposure Limits		
OEL TWA 2	270 mg/m³	
5	50 ppm	
OEL STEL 5	540 mg/m³	
1	100 ppm	

# Safety Data Sheet

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

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

## 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### Safety Data Sheet

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

#### 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:

Particle characteristics

Do not eat, drink or smoke during use.

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

# 9.1. Information on basic physical and chemical properties

Physical state : Liquid

Colour : 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 : Not available Auto-ignition temperature : Not available Decomposition temperature : Not available рΗ 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

11/27/2024 (Issue date) EN (English) 24/34

: Not applicable

## Safety Data Sheet

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

#### 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

benzyl benzoate (120-51-4)		
LD50 oral rat	> 2000 mg/kg (Source: ECHA_API)	
LD50 oral	1160 mg/kg bodyweight	
LD50 dermal rabbit	4000 mg/kg (Source: NLM_CIP)	
Cinnamic aldehyde (104-55-2)		
LD50 oral rat	2220 mg/kg (Source: NLM_CIP)	
LD50 oral	2220 mg/kg	
LD50 dermal rabbit	1260 mg/kg (Source: EPA_HPV)	
benzyl alcohol (100-51-6)		
LD50 oral rat	1230 mg/kg (Source: NLM_CIP)	
LD50 oral	1570 mg/kg	
COUMARIN (91-64-5)		
LD50 oral rat	> 5000 mg/kg (Source: JAPAN_GHS)	
LD50 dermal rat	293 mg/kg (Source: ECHA_API)	

11/27/2024 (Issue date) EN (English) 25/34

# Safety Data Sheet

(R)-p-mentha-1,8-diene; d-limonene (5989-27-5	(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)	
LD50 oral rat	4400 mg/kg (Source: CHEMVIEW)	
LD50 dermal rabbit	> 5 g/kg (Source: CHEMVIEW)	
.alphaPinene (80-56-8)		
LD50 oral rat	3700 mg/kg (Source: NLM_CIP)	
LD50 dermal rat	> 5000 mg/kg (Source: CHEMVIEW)	
.betaPinene (127-91-3)		
LD50 oral rat	> 5000 mg/kg (Source: EPA_HPV)	
LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)	
Toluene (108-88-3)		
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	
Dipropylene glycol monomethyl ether (34590-	94-8)	
LD50 oral rat	5.35 g/kg (Source: NLM_HSDB)	
LD50 dermal rabbit	9500 mg/kg (Source: NLM_CIP)	
benzaldehyde (100-52-7)		
LD50 oral rat	1292 mg/kg (Source: JAPAN_GHS)	
LD50 dermal rabbit	> 1250 mg/kg (Source: JAPAN_GHS)	
LC50 Inhalation - Rat	< 5 mg/l/4h	
Benzyl acetate (140-11-4)		
LD50 oral rat	2490 mg/kg (Source: JAPAN_GHS)	
LD50 oral	2490 mg/kg bodyweight	
LD50 dermal rabbit	> 5000 mg/kg (Source: JAPAN_GHS)	
	Not classified	
	Based on available data, the classification criteria are not met  Not classified	
	Based on available data, the classification criteria are not met	
	May cause an allergic skin reaction.	
	Based on available data, the classification criteria are not met  Not classified	
<b>3</b> ,	Based on available data, the classification criteria are not met	
9 ,	Not classified	
	Based on available data, the classification criteria are not met	
COUMARIN (91-64-5)		
IARC group	3 - Not classifiable	
(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)		
IARC group	3 - Not classifiable	
Toluene (108-88-3)		
IARC group	3 - Not classifiable	

# Safety Data Sheet

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

Benzyl acetate (140-11-4)	
IARC group	3 - Not classifiable
Additional information : STOT-single exposure :	Not classified Based on available data, the classification criteria are not met Not classified Based on available data, the classification criteria are not met
STOT-single exposure	May cause drowsiness or dizziness.
Additional information :	Not classified 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.
-1	Not classified Based on available data, the classification criteria are not met
benzyl benzoate (120-51-4)	
Viscosity, kinematic	7.456 mm²/s
(R)-p-mentha-1,8-diene; d-limonene (5989-27-	5)
Hydrocarbon	Yes
.alphaPinene (80-56-8)	
Hydrocarbon	Yes
.betaPinene (127-91-3)	
Hydrocarbon	Yes
Toluene (108-88-3)	
Hydrocarbon	Yes

## 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

# **SECTION 12: Ecological information**

## 12.1. Toxicity

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

(acute)

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

(chronic)

(chronic)			
benzyl benzoate (120-51-4)			
LC50 - Fish [1]	2.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)		
NOEC (chronic) 0.168 mg/l			
benzyl alcohol (100-51-6)			
LC50 - Fish [1]	460 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA)		

# Safety Data Sheet

Persistence and degradability

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

benzyl alcohol (100-51-6)			
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)		
(R)-p-mentha-1,8-diene; d-limonene (5989-27-	5)		
LC50 - Fish [1]	0.619 – 0.796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)		
LC50 - Fish [2]	35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)		
.alphaPinene (80-56-8)			
LC50 - Fish [1]	0.28 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: IUCLID)		
EC50 - Crustacea [1]	41 mg/l (Exposure time: 48 h - Species: Daphnia magna)		
Toluene (108-88-3)			
LC50 - Fish [1]	15.22 – 19.05 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)		
LC50 - Fish [2]	12.6 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA)		
EC50 - Crustacea [1]	5.46 – 9.83 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])		
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)		
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)		
benzaldehyde (100-52-7)			
LC50 - Fish [1]	10.6 – 11.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through] Source: EPA)		
LC50 - Fish [2]	12.69 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: IUCLID)		
12.2. Persistence and degradability			
CINNAMON STREUSEL CC-16120 5% in DPG			
Persistence and degradability	Not established.		
benzyl benzoate (120-51-4)			
Persistence and degradability	May cause long-term adverse effects in the environment.		
Cinnamic aldehyde (104-55-2)			
Persistence and degradability	Rapidly degradable		
benzyl alcohol (100-51-6)			
Persistence and degradability	Rapidly degradable		
COUMARIN (91-64-5)	COUMARIN (91-64-5)		
Persistence and degradability	Rapidly degradable		
(R)-p-mentha-1,8-diene; d-limonene (5989-27-	5)		

Rapidly degradable

# Safety Data Sheet

.alphaPinene (80-56-8)				
Persistence and degradability	Rapidly degradable			
.betaPinene (127-91-3)				
Persistence and degradability	Rapidly degradable			
Toluene (108-88-3)				
Persistence and degradability	Rapidly degradable			
Dipropylene glycol monomethyl ether (34590-	94-8)			
Persistence and degradability	Rapidly degradable			
benzaldehyde (100-52-7)				
Persistence and degradability	Rapidly degradable			
Benzyl acetate (140-11-4)				
Persistence and degradability	Rapidly degradable			
isopentyl acetate (123-92-2)				
Persistence and degradability	Rapidly degradable			
12.3. Bioaccumulative potential				
CINNAMON STREUSEL CC-16120 5% in DPG				
Bioaccumulative potential	Not established.			
benzyl benzoate (120-51-4)				
Partition coefficient n-octanol/water (Log Pow)	3.97 (at 25 °C)			
Bioaccumulative potential	Not established.			
Cinnamic aldehyde (104-55-2)				
Partition coefficient n-octanol/water (Log Pow)	2.1065 (at 25 °C)			
benzyl alcohol (100-51-6)	benzyl alcohol (100-51-6)			
Partition coefficient n-octanol/water (Log Pow)	1.05			
(R)-p-mentha-1,8-diene; d-limonene (5989-27-	5)			
Partition coefficient n-octanol/water (Log Pow)	4.38 (at 37 °C (at pH 7.2)			
.alphaPinene (80-56-8)				
Partition coefficient n-octanol/water (Log Pow)	4.1			
Toluene (108-88-3)				
Partition coefficient n-octanol/water (Log Pow)	2.73 (at 20 °C (at pH 7)			
Dipropylene glycol monomethyl ether (34590-94-8)				
Partition coefficient n-octanol/water (Log Pow)	0.35 (at 25 °C (at pH 7)			
benzaldehyde (100-52-7)				
BCF - Fish [1]	(no significant bioaccumulation)			
Partition coefficient n-octanol/water (Log Pow)	1.4 (at 25 °C)			

## Safety Data Sheet

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

Benzyl acetate (140-11-4)		
Partition coefficient n-octanol/water (Log Pow)	1.96 (at 25 °C (at pH 7)	
isopentyl acetate (123-92-2)		
Partition coefficient n-octanol/water (Log Pow)	2.7 (at 35 °C)	

### 12.4. Mobility in soil

No additional information available

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

No additional information available

#### 12.6. 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

**Ecological information** 

**HP Code** 

- : Dispose in a safe manner in accordance with local/national regulations.
- : Avoid release to the environment.
- : HP4 "Irritant skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.

HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one

or more sectors of the environment

# **SECTION 14: Transport information**

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

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

# 14.6. Special precautions for user

#### **Overland transport**

Not applicable

## Safety Data Sheet

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

#### 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)	(R)-p-mentha-1,8-diene; d-limonene; .alpha Pinene; .betaPinene; 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)	CINNAMON STREUSEL CC-16120 5% in DPG; benzyl benzoate; Cinnamic aldehyde; benzyl alcohol; (R)-p- mentha-1,8-diene; d- limonene; .alphaPinene ; Toluene; benzaldehyde	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	
3(c)	CINNAMON STREUSEL CC-16120 5% in DPG; benzyl benzoate; Cinnamic aldehyde; (R)- p-mentha-1,8-diene; d- limonene; .alphaPinene; 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.	(R)-p-mentha-1,8-diene; d-limonene; .alpha Pinene; .betaPinene; 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

11/27/2024 (Issue date) EN (English) 31/34

### Safety Data Sheet

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

#### **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 1, Slightly hazardous to water (Classification according to AwSV, Annex 1).

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

Hazardous Incident Ordinance (12. BlmSchV) : Is not subject to the Hazardous Incident Ordinance (12. BlmSchV)

**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 -: None of the components are listed

Vruchtbaarheid 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** 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

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

11/27/2024 (Issue date) EN (English) 32/34

# Safety Data Sheet

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

## **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.

Acute Tox. 4 (Pemal) Acute Tox. 4 (Inhalation) Acute toxicity (Inhal.), Category 4 Acute Tox. 4 (Inhalation) Acute toxicity (Inhal.), Category 4 Acute Tox. 4 (Inhalation) Acute toxicity (Inhal.), Category 4 Aquatic Acute 1 Hazardous to the aquatic environment – Acute Hazard, Category 1 Aquatic Chronic 1 Hazardous to the aquatic environment – Chronic Hazard, Category 2 Aquatic Chronic 3 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 Irrit. 2 Serious eye damage/eye irritation, Category 2 Flam. Liq. 3 Flammable liquids, Category 3 Highly flammable liquids, Category 3 Highly flammable liquid and vapour. Hazard Harmful if swallowed. Haso Harmful if swallowed. Haso Harmful if swallowed and enters airways. Hasi Haso Harmful if swallowed and enters airways. Hasi Hasi Causes skin irritation. Hasi Hasi Harmful if inhaled. Hasi Hasi May cause an allergio skin reaction. Hasi Hasi Harmful if inhaled. Hasi Hasi Hasi Hasi Harmful if inhaled. Hasi Hasi Hasi Hasi Harmful if inhaled. Hasi Hasi Hasi Hasi Harmful if inhaled. Hasi Hasi Hasi Hasi Hasi Hasi Harmful if inhaled. Hasi Hasi Hasi Hasi Hasi Hasi Harmful if inhaled. Hasi Hasi Hasi Hasi Hasi Hasi Harmful if inhaled. Hasi Hasi Hasi Hasi Hasi Hasi Harmful if inhaled. Hasi Hasi Hasi Hasi Hasi Hasi Harmful if inhaled. Hasi Hasi Hasi Hasi Harmful if inhaled. Hasi Hasi Hasi Hasi Hasi Hasi Harmful if inhaled. Hasi Hasi Hasi Hasi Hasi Hasi Hasi Harmful if inhaled. Hasi Hasi Hasi Hasi Hasi Harmful if inhaled. Hasi Hasi Hasi Hasi Hasi Hasi Hasi Hasi	Full text of H- and EUF	I-statements:
Acute Tox. 4 (Oral) Acute toxicity (oral), Category 4  Aquatic Acute 1  Aquatic Chronic 1  Aquatic Chronic 1  Aquatic Chronic 1  Aquatic Chronic 2  Aquatic Chronic 3  Application hazard (Chronic Augustic environment – Chronic Hazard, Category 1  Aquatic Chronic 3  Asp. Tox. 1  Aspiration hazard, Category 1  Aspiration hazard, Category 1  Aspiration hazard, Category 1  Eye Irini. 2  Serious eye damageleye irritation, Category 2  Flam, Liq. 2  Flammable liquids, Category 3  Hazardous to the aquatic environment – Chronic Hazard, Category 3  Asp. Tox. 1  Serious eye damageleye irritation, Category 2  Flam, Liq. 2  Flammable liquids, Category 3  Hazardous Agreement of the Augustic Environment – Chronic Hazard, Category 3  Hazardous Flammable liquids, Category 2  Flam, Liq. 3  Flammable liquid and vapour.  Hazard I swallowed.  Harriful if swallowed.  Harriful if swallowed and enters aliways.  Ha304  Hay be fatal if swallowed and enters aliways.  Ha315  Causes skin irritation.  Ha317  May cause an allergic skin reaction.  Ha319  Causes serious eye irritation.  Ha336  May cause drowsiness or dizziness.  Ha361d  Suspected of damaging the unborn child.  Ha373  May cause damage to organs through prolonged or repeated exposure.  H400  Very toxic to aquatic life with long lasting effects.  H410  Very toxic to aquatic life with long lasting effects.  H411  Toxic to aquatic life with long lasting effects.  H412  Harriful to aquatic life with long lasting effects.  Repr. 2  Reproductive toxicity, Category 2  Skin Irrit. 2  Skin corrosion/irritation, Category 1  Skin Sens. 1  Skin sens. 14  Skin sensitisation, category 1A  Skin Sens. 18  Skin sensitisation, category 1B  STOT RE 2	Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Aquatic Acute 1 Hazardous to the aquatic environment – Acute Hazard, Category 1 Aquatic Chronic 1 Hazardous to the aquatic environment – Chronic Hazard, Category 2 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 Irrit. 2 Serious eye damage/eye irritation, Category 2 Flam. Liq. 2 Flammable liquids, Category 3 Highly flammable liquids, Category 3 Highly flammable liquids, Category 3 Highly flammable liquid and vapour. Highly flammable liq	Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
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 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. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H333 May cause drowsiness or dizziness. H361d Suspected of damaging the unborn child. H373 May cause damage to organs through prolonged or repeated exposure. H4400 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. H412 Harmful to aquatic life with long lasting effects. H411 Skin Sens. 1 Skin sensitisation, category 2 Skin Irrit. 2 Skin corrosion/irritation, Category 2 Skin Sens. 1 Skin sensitisation, category 1 Skin Sens. 2 Specific target organ toxicity – Repeated exposure, Category 2	Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
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 Irift. 2 Serious eye damageleye Irritation, Category 2 Flam. Liq. 2 Flammable Iiquids, Category 3 Highly flammable Iiquids, Category 3 Highly flammable Iiquid and vapour. Highly flammable Iiquid service. Highly flammable Iiquid service. Highly flammable Iiquids, Category 2 Highly flammable Iiquids, Category 1 Nichard flammable Iiquids, Category 1 Nichard flammable Iiquids, Category 2 Nichard flammable Iiquids, Category 1 Nichard flammable Iiquids, Category 1 Nichard flammable Iiquids, Category 2 Nichard flammable Iiquids, Category 1 Nichard flammable Iiquids, Category 2 Nichard flammable Iiquids, Category 1 Nichard flammable Iiquids, Category 2 Nichard flammable Iiquids flam viriation, Category 1 Nichard flammable Iiquids flam viriation, Category 1 Nichard flammable Iiquids flampatle exposure, Category 2 Nichard flammable Iiquids, Category 2 Nichard flammable Iiquids flammable IIquids flampatle exposure, Category 2 Nichard flammable IIquids, Category 1 Nichard flammable IIquids flammable IIquids flampatle exposure, Category 2 Nichard flammable IIquids flampatle exposure, Category 2	Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 3 Hazardous to the aquatic environment – Chronic Hazard, Category 3  Asp. Tox. 1 Aspiration hazard, 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  H225 Highly flammable liquid and vapour.  H226 Flammable liquid and vapour.  H302 Harmful if swallowed.  H304 May be fatal if swallowed and enters airways.  H312 Harmful in contact with skin.  H315 Causes skin irritation.  H317 May cause an allergic skin reaction.  H319 Causes serious eye irritation.  H330 Harmful if inhaled.  H331 Harmful if inhaled.  H332 Harmful if inhaled.  H333 May cause drowsiness or dizziness.  H361d Suspected of damaging the unborn child.  H373 May cause damage to organs through prolonged or repeated exposure.  H410 Very toxic to aquatic life with long lasting effects.  H411 Toxic to aquatic life with long lasting effects.  Repr. 2 Reproductive toxicity, Category 2  Skin Irrit. 2 Skin corrosion/irritation, Category 1  Skin Sens. 1 Skin sensitisation, category 1B  STOT RE 2 Specific target organ toxicity – Repeated exposure, Category 2	Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Asp. Tox. 1 Aspiration hazard, Category 1  Eye Irrit. 2 Serious eye damage/eye irritation, Category 2  Flam. Liq. 2 Flammable liquids, Category 2  Flam. Liq. 3 Flammable liquid and vapour.  H225 Highly flammable liquid and vapour.  H302 Harmful if swallowed.  H304 May be fatal if swallowed and enters airways.  H315 Causes skin irritation.  H317 May cause an allergic skin reaction.  H319 Causes serious eye irritation.  H336 May cause drowsiness or dizziness.  H336 May cause drowsiness or dizziness.  H340 Very toxic to aquatic life with long lasting effects.  H410 Very toxic to aquatic life with long lasting effects.  Repr. 2 Reproductive toxicity, Category 2  Skin Sens. 1 Skin sensitisation, category 1B  STOT RE 2 Specific target organ toxicity – Repeated exposure, Category 2	Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
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. H326 Flammable liquid and vapour. H3302 Harmful if swallowed. H3304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H330 Harmful if inhaled. H331 Harmful if inhaled. H332 Harmful if inhaled. H333 May cause drowsiness or dizziness. H3414 Suspected of damaging the unborn child. H373 May cause damage to organs through prolonged or repeated exposure. H4400 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. Repr. 2 Reproductive toxicity, Category 2 Skin Irrit. 2 Skin corrosion/irritation, Category 1 Skin Sens. 1 Skin sensitisation, category 1B STOT RE 2 Specific target organ toxicity — Repeated exposure, Category 2	Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
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. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H316 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. 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 with long lasting effects. 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 Sens. 1 Skin sensitisation, Category 1A Skin Sens. 1B Skin sensitisation, category 1B STOT RE 2 Specific target organ toxicity – Repeated exposure, Category 2	Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Liq. 3 Flammable liquids, Category 3 H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. 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. 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. Repr. 2 Reproductive toxicity, Category 2 Skin Sens. 1 Skin sensitisation, category 1 Skin Sens. 1 Skin sensitisation, category 1 Skin Sens. 1 Skin sensitisation, category 1B STOT RE 2 Specific target organ toxicity – Repeated exposure, Category 2	Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H316 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. 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. 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. Repr. 2 Reproductive toxicity, Category 2 Skin Irrit. 2 Skin corrosion/irritation, Category 2 Skin Sens. 1 Skin sensitisation, category 18 Skin Sens. 1B Skin sensitisation, category 1B STOT RE 2 Specific target organ toxicity - Repeated exposure, Category 2	Flam. Liq. 2	Flammable liquids, Category 2
H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H330 Harmful if inhaled. H331 May cause drowsiness or dizziness. H3310 Suspected of damaging the unborn child. H373 May cause damage to organs through prolonged or repeated exposure. H400 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. Repr. 2 Reproductive toxicity, Category 2 Skin Sens. 1 Skin sensitisation, 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	Flam. Liq. 3	Flammable liquids, Category 3
H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. 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. 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. Repr. 2 Reproductive toxicity, Category 2 Skin Irrit. 2 Skin corrosion/irritation, Category 2 Skin Sens. 1 Skin sensitisation, category 18 Skin Sens. 1B Skin sensitisation, category 1B STOT RE 2 Specific target organ toxicity — Repeated exposure, Category 2	H225	Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.  H312 Harmful in contact with skin.  H315 Causes skin irritation.  H317 May cause an allergic skin reaction.  H319 Causes serious eye irritation.  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.  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.  Repr. 2 Reproductive toxicity, Category 2  Skin Irrit. 2 Skin corrosion/irritation, Category 2  Skin Sens. 1 Skin sensitisation, category 1B  SKin Sens. 1B Skin sensitisation, category 1 Repeated exposure, Category 2	H226	Flammable liquid and vapour.
H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. 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. 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. Repr. 2 Reproductive toxicity, Category 2 Skin Irrit. 2 Skin corrosion/irritation, Category 1 Skin Sens. 1 Skin sensitisation, category 1A Skin Sens. 1B Skin sensitisation, category 1B STOT RE 2 Specific target organ toxicity – Repeated exposure, Category 2	H302	Harmful if swallowed.
H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. 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. 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. Repr. 2 Reproductive toxicity, Category 2 Skin Irrit. 2 Skin corrosion/irritation, Category 2 Skin Sens. 1 Skin sensitisation, category 1 Skin Sens. 1A Skin sensitisation, category 1B STOT RE 2 Specific target organ toxicity – Repeated exposure, Category 2	H304	May be fatal if swallowed and enters airways.
H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. 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. 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. Repr. 2 Reproductive toxicity, Category 2 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 1 B STOT RE 2 Specific target organ toxicity – Repeated exposure, Category 2	H312	Harmful in contact with skin.
H319 Causes serious eye irritation. 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. 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. H412 Reproductive toxicity, Category 2 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	H315	Causes skin irritation.
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. 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. Repr. 2 Reproductive toxicity, Category 2 Skin Irrit. 2 Skin corrosion/irritation, Category 2 Skin Sens. 1 Skin sensitisation, Category 1 Skin Sens. 1A Skin sensitisation, category 1B SKIN Sens. 1B Skin sensitisation, category 1 Repeated exposure, Category 2	H317	May cause an allergic skin reaction.
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. 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. Repr. 2 Reproductive toxicity, Category 2 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	H319	Causes serious eye irritation.
H361d Suspected of damaging the unborn child.  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.  Repr. 2 Reproductive toxicity, Category 2  Skin Irrit. 2 Skin corrosion/irritation, Category 2  Skin Sens. 1 Skin sensitisation, Category 1  Skin Sens. 1A Skin sensitisation, category 1B  STOT RE 2 Specific target organ toxicity – Repeated exposure, Category 2	H332	Harmful if inhaled.
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.  Repr. 2 Reproductive toxicity, Category 2  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	H336	May cause drowsiness or dizziness.
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.  Repr. 2 Reproductive toxicity, Category 2  Skin Irrit. 2 Skin corrosion/irritation, Category 2  Skin Sens. 1 Skin sensitisation, Category 1  Skin Sens. 1A Skin sensitisation, category 1B  STOT RE 2 Specific target organ toxicity – Repeated exposure, Category 2	H361d	Suspected of damaging the unborn child.
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.  Repr. 2 Reproductive toxicity, Category 2  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	H373	May cause damage to organs through prolonged or repeated exposure.
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. 1A Skin sensitisation, category 1A  Skin Sens. 1B Skin sensitisation, category 1B  STOT RE 2 Specific target organ toxicity – Repeated exposure, Category 2	H400	Very toxic to aquatic life.
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. 1A Skin sensitisation, category 1A  Skin Sens. 1B Skin sensitisation, category 1B  STOT RE 2 Specific target organ toxicity – Repeated exposure, Category 2	H410	Very toxic 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. 1A Skin sensitisation, category 1A  Skin Sens. 1B Skin sensitisation, category 1B  STOT RE 2 Specific target organ toxicity – Repeated exposure, Category 2	H411	Toxic to aquatic life with long lasting effects.
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	H412	Harmful to aquatic life with long lasting effects.
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	Repr. 2	Reproductive toxicity, Category 2
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	Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1B Skin sensitisation, category 1B STOT RE 2 Specific target organ toxicity – Repeated exposure, Category 2	Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 2 Specific target organ toxicity – Repeated exposure, Category 2	Skin Sens. 1A	Skin sensitisation, category 1A
	Skin Sens. 1B	Skin sensitisation, category 1B
STOT SE 3 Specific target organ toxicity – Single exposure, Category 3, Narcosis	STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
	STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

# Safety Data Sheet

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

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.