

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

#### 1.1. Product identifier

Product form	: Mixture
Trade name	: SALTED CARAMEL #EU55145F
Product code	: EU55145F
Type of product	: Perfumes, fragrances
Product group	: Trade product

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

##### Relevant identified uses

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

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

FRENCH COLOR & FRAGRANCE INTERNATIONAL GmbH GmbH  
Mittlerer Weg 35  
DE 79424 Auggen  
Germany  
T 49-7631-931-8900  
[SDS@frenchcolor.com](mailto:SDS@frenchcolor.com), [www.frenchcolor.com](http://www.frenchcolor.com)

#### 1.4. Emergency telephone number

Emergency number	: 1-800-255-3924; +01-813-248-0585; China:+400-120-0751; Mexico:+01-800-099-0731; Brazil: +0-800-591-6042; India: +000-800-100-4086
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### SECTION 2: Hazards identification

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

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

Acute toxicity (oral), Category 4	H302
Serious eye damage/eye irritation, Category 2	H319
Skin sensitisation, Category 1	H317
Hazardous to the aquatic environment – Acute Hazard, Category 1	H400
Hazardous to the aquatic environment – Chronic Hazard, Category 2	H411
Full text of H- and EUH-statements: see section 16	

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

Harmful if swallowed. Causes serious eye irritation. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects. May cause an allergic skin reaction.

#### 2.2. Label elements

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

Hazard pictograms (CLP)	:		
		GHS07	GHS09
Signal word (CLP)	:	Warning	

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Contains	: Benzyl benzoate; Cinnamic aldehyde; 1,2-Cyclopentanedione, 3-methyl-; Veratryl aldehyde (Veratraldehyde); COUMARIN; Phenylacetaldehyde
Hazard statements (CLP)	: H302 - Harmful if swallowed. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H410 - Very toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. 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.

### 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 %

## SECTION 3: Composition/information on ingredients

### 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	38.1 – 76.2	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: 01-2119935242-45	3.8 – 7.5	Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1A, H317 Aquatic Chronic 3, H412
Vanillin	CAS-No.: 121-33-5 EC-No.: 204-465-2 REACH-no: 01-2119516040-60	1.40009 – 2.800175	Eye Irrit. 2, H319
Ethyl vanillin	CAS-No.: 121-32-4 EC-No.: 204-464-7 REACH-no: 01-211958961-24	1.314526 – 2.528245	Eye Irrit. 2, H319
1,2-Cyclopentanedione, 3-methyl-	CAS-No.: 765-70-8 EC-No.: 212-154-8	1 – 1.9	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317
COUMARIN	CAS-No.: 91-64-5 EC-No.: 202-086-7 REACH-no: 01-2119943756-26	0.4 – 0.7	Acute Tox. 4 (Oral), H302 Skin Sens. 1B, H317
Veratryl aldehyde (Veratraldehyde)	CAS-No.: 120-14-9 EC-No.: 204-373-2	0.225 – 0.4375	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
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: 01-2119455540-44	0.2 – 0.3	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361 STOT SE 3, H335
1,2-Propanediol substance with national workplace exposure limit(s) (GB, HR, IE, LT, LV, PL, NO)	CAS-No.: 57-55-6 EC-No.: 200-338-0 REACH-no: 01-2119456809-23	0.1 – 0.291	Not classified
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	0.1 – 0.15	Flam. Liq. 3, H226
Phenylacetaldehyde	CAS-No.: 122-78-1 EC-No.: 204-574-5 REACH-no: 01-2120766865-37	0.1 – 0.1	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
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	0.002286 – 0.004445	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	≤ 0.0000525	Not classified

### Specific concentration limits:

Name	Product identifier	Specific concentration limits (%)
Cinnamic aldehyde	CAS-No.: 104-55-2 EC-No.: 203-213-9 EC Index-No.: 606-155-00-6 REACH-no: 01-2119935242-45	(0.001 < C < 0.01) EUH208 (0.01 ≤ C < 0.1) Skin Sens. 1; H317 (0.1 ≤ C < 100) Skin Sens. 1A; H317

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). Call a poison center or a doctor if you feel unwell.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.

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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. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see Get medical advice/attention. on this label). If skin irritation occurs: Get medical advice/attention. Wash with plenty of water/.... Get medical advice/attention. Wash contaminated clothing before reuse. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: If eye irritation persists: Get medical advice/attention. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. Call a poison center or a doctor if you feel unwell.

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

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Sand. Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

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

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

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. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

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

Protective equipment	: Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Ventilate area.

### 6.2. Environmental precautions

Avoid release to the environment. 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

For containment	: Collect spillage.
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- Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
- Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection. For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. 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. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray.
- Hygiene measures : Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

- Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use. Store in a well-ventilated place. Keep cool.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.
- Storage temperature : 25 °C
- Storage area : Store in a well-ventilated place. Store away from heat.
- Special rules on packaging : Store in a closed container.
- Packaging materials : Do not store in corrodable metal.

#### Germany

- Storage class (LGK, TRGS 510) : LGK 10 - 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 2A, LGK 5.1A, LGK 6.2, LGK 7
- Joint storage with restrictions permitted for : LGK 4.1A, LGK 4.2, LGK 4.3, LGK 5.1B, LGK 5.1C, LGK 5.2
- Joint storage permitted for : LGK 2B, LGK 3, LGK 4.1B, 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

#### 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>
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Toluene (108-88-3)	
	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
Belgium - Occupational Exposure Limits	
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
Bulgaria - Occupational Exposure Limits	
OEL TWA	192 mg/m <sup>3</sup>
	50 ppm
OEL STEL	384 mg/m <sup>3</sup>
	100 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/m <sup>3</sup>
	50 ppm
KGVI (OEL STEL)	384 mg/m <sup>3</sup>
	100 ppm
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 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)
Cyprus - Occupational Exposure Limits	
OEL TWA	192 mg/m <sup>3</sup>
	50 ppm
OEL STEL	384 mg/m <sup>3</sup>

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Toluene (108-88-3)	
	100 ppm
OEL chemical category	Skin-potential for cutaneous absorption
Czech Republic - Occupational Exposure Limits	
PEL (OEL TWA)	200 mg/m <sup>3</sup>
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/m <sup>3</sup>
	25 ppm
OEL STEL	384 mg/m <sup>3</sup>
	100 ppm
OEL chemical category	Potential for cutaneous absorption
Estonia - Occupational Exposure Limits	
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
Finland - Occupational Exposure Limits	
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
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/m <sup>3</sup> (restrictive limit)
	20 ppm (restrictive limit)

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<b>Toluene (108-88-3)</b>	
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
<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

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<b>Toluene (108-88-3)</b>	
OEL chemical category	Potential for cutaneous absorption
<b>Italy - Occupational Exposure Limits</b>	
OEL TWA	192 mg/m <sup>3</sup>
	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

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Toluene (108-88-3)	
<b>Poland - Occupational Exposure Limits</b>	
NDS (OEL TWA)	100 mg/m <sup>3</sup>
NDSch (OEL STEL)	200 mg/m <sup>3</sup>
<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)

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<b>Toluene (108-88-3)</b>	
VLA-EC (OEL STEL)	384 mg/m <sup>3</sup>
	100 ppm
OEL chemical category	skin - potential for cutaneous absorption
<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
OEL 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

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<b>Toluene (108-88-3)</b>	
<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
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

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<b>Dipropylene glycol monomethyl ether (34590-94-8)</b>	
<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>
	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

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<b>Dipropylene glycol monomethyl ether (34590-94-8)</b>	
<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
<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)

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<b>Dipropylene glycol monomethyl ether (34590-94-8)</b>	
	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
<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)
WEL 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

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<b>Dipropylene glycol monomethyl ether (34590-94-8)</b>	
<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>benzaldehyde (100-52-7)</b>	
<b>Bulgaria - Occupational Exposure Limits</b>	
OEL TWA	5 mg/m <sup>3</sup>
<b>Finland - Occupational Exposure Limits</b>	
HTP (OEL TWA)	4.4 mg/m <sup>3</sup> 1 ppm
HTP (OEL C)	17.4 mg/m <sup>3</sup> 4 ppm
<b>Hungary - Occupational Exposure Limits</b>	
AK (OEL TWA)	5 mg/m <sup>3</sup>
CK (OEL STEL)	10 mg/m <sup>3</sup>
<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>
<b>Poland - Occupational Exposure Limits</b>	
NDS (OEL TWA)	10 mg/m <sup>3</sup>
NDSch (OEL STEL)	40 mg/m <sup>3</sup>
<b>1,2-Propanediol (57-55-6)</b>	
<b>Croatia - Occupational Exposure Limits</b>	
GVI (OEL TWA)	474 mg/m <sup>3</sup> (total vapor and particles) 10 mg/m <sup>3</sup> (particles) 150 ppm
<b>Ireland - Occupational Exposure Limits</b>	
OEL TWA	10 mg/m <sup>3</sup> (particulate) 470 mg/m <sup>3</sup> (total vapour and particulates) 150 ppm (total vapour and particulates)
OEL STEL	1410 mg/m <sup>3</sup> (calculated-particulates) 30 mg/m <sup>3</sup> (calculated) 450 ppm (calculated-total vapor and particulates)
<b>Latvia - Occupational Exposure Limits</b>	
OEL TWA	7 mg/m <sup>3</sup>

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<b>1,2-Propanediol (57-55-6)</b>	
<b>Lithuania - Occupational Exposure Limits</b>	
IPRV (OEL TWA)	7 mg/m <sup>3</sup>
<b>Poland - Occupational Exposure Limits</b>	
NDS (OEL TWA)	100 mg/m <sup>3</sup> (vapor and inhalable fraction)
<b>United Kingdom - Occupational Exposure Limits</b>	
WEL TWA (OEL TWA)	474 mg/m <sup>3</sup> (total vapour and particulate) 10 mg/m <sup>3</sup> (particulate)
	150 ppm (total vapour and particulate)
WEL STEL (OEL STEL)	1422 mg/m <sup>3</sup> (calculated-total vapour and particulate) 30 mg/m <sup>3</sup> (calculated-particulate)
	450 ppm (calculated-total vapour and particulate)
<b>Norway - Occupational Exposure Limits</b>	
Grenseverdi (OEL TWA)	79 mg/m <sup>3</sup>
	25 ppm
Korttidsverdi (OEL STEL)	118.5 mg/m <sup>3</sup> (value calculated)
	37.5 ppm (value calculated)
<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
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>

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isopentyl acetate (123-92-2)	
	50 ppm
KGVI (OEL STEL)	540 mg/m <sup>3</sup>
	100 ppm
Cyprus - Occupational Exposure Limits	
OEL TWA	270 mg/m <sup>3</sup>
	50 ppm
OEL STEL	540 mg/m <sup>3</sup>
	100 ppm
Denmark - Occupational Exposure Limits	
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
Estonia - Occupational Exposure Limits	
OEL TWA	270 mg/m <sup>3</sup>
	50 ppm
OEL STEL	540 mg/m <sup>3</sup>
	100 ppm
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	270 mg/m <sup>3</sup> (Pentyl acetate)
	50 ppm (Pentyl acetate)
HTP (OEL STEL)	540 mg/m <sup>3</sup>
	100 ppm
France - Occupational Exposure Limits	
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)
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	270 mg/m <sup>3</sup>
	50 ppm
Gibraltar - Occupational Exposure Limits	
OEL TWA	270 mg/m <sup>3</sup>
	50 ppm
OEL STEL	540 mg/m <sup>3</sup>
	100 ppm
Greece - Occupational Exposure Limits	
OEL TWA	530 mg/m <sup>3</sup>
	100 ppm

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<b>isopentyl acetate (123-92-2)</b>	
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>
	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>

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<b>isopentyl acetate (123-92-2)</b>	
<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
<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)

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### isopentyl acetate (123-92-2)

#### USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA	50 ppm (Pentyl acetate, all isomers)
ACGIH OEL STEL	100 ppm (Pentyl acetate, all isomers)

## 8.2. Exposure controls

### Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### Personal protection equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

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



### Eye and face protection

#### Eye protection:

Chemical goggles or safety glasses. Safety glasses

### Skin protection

#### Skin and body protection:

Wear suitable protective clothing

### Hand protection:

Wear protective gloves.

### Respiratory protection

#### Respiratory protection:

Wear appropriate mask

### Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: Conforms to standard.
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not applicable
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

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Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 0.001209329 mm Hg (calculated value)
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

#### Other safety characteristics

VOC content : 3.7727725 % (calculated value)(CARB VOC) (%w/w)

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

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)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

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ATE CLP (oral)	640.205 mg/kg bodyweight
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_HPVS)

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<b>Cinnamic aldehyde (104-55-2)</b>	
LD50 dermal	1260 mg/kg
<b>Vanillin (121-33-5)</b>	
LD50 dermal rabbit	> 5010 mg/kg (Source: OECD_SIDS)
LD50 dermal	2600 mg/kg bodyweight
<b>Ethyl vanillin (121-32-4)</b>	
LD50 oral rat	1590 mg/kg (Source: NLM_CIP)
LD50 oral	3000 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg (Source: ECHA_API)
<b>1,2-Cyclopentanedione, 3-methyl- (765-70-8)</b>	
LD50 oral	1067 mg/kg bodyweight
<b>Veratryl aldehyde (Veratraldehyde) (120-14-9)</b>	
LD50 oral rat	2 g/kg (Source: NLM_CIP)
LD50 oral	2000 mg/kg bodyweight
<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>COUMARIN (91-64-5)</b>	
LD50 oral rat	> 5000 mg/kg (Source: JAPAN_GHS)
LD50 dermal rat	293 mg/kg (Source: ECHA_API)
<b>benzaldehyde (100-52-7)</b>	
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
<b>1,2-Propanediol (57-55-6)</b>	
LD50 oral rat	20 g/kg (Source: NLM_CIP)
LD50 dermal rabbit	20800 mg/kg (Source: NLM_CIP)
<b>Phenylacetaldehyde (122-78-1)</b>	
LD50 oral	1550 mg/kg
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

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<b>Toluene (108-88-3)</b>	
IARC group	3 - Not classifiable
<b>COUMARIN (91-64-5)</b>	
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
<b>benzaldehyde (100-52-7)</b>	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
<b>benzyl benzoate (120-51-4)</b>	
Viscosity, kinematic	7.456 mm <sup>2</sup> /s
<b>Toluene (108-88-3)</b>	
Hydrocarbon	Yes

### 11.2. Information on other hazards

#### Other information

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met, Harmful if swallowed.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.  
Hazardous to the aquatic environment, short-term (acute) : Very toxic to aquatic life.  
Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

<b>benzyl benzoate (120-51-4)</b>	
LC50 - Fish [1]	2.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)
NOEC (chronic)	0.168 mg/l
<b>Vanillin (121-33-5)</b>	
LC50 - Fish [1]	53 – 61.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
LC50 - Fish [2]	88 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA)
NOEC (acute)	10000 mg/kg (Exposure time: 42 Days - Species: Eisenia foetida [soil dry weight])
<b>Ethyl vanillin (121-32-4)</b>	
LC50 - Fish [1]	81.4 – 94.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
<b>Toluene (108-88-3)</b>	
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])

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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>benzaldehyde (100-52-7)</b>	
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)
<b>1,2-Propanediol (57-55-6)</b>	
LC50 - Fish [1]	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: IUCLID)
LC50 - Fish [2]	41 – 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: EPA)
EC50 - Crustacea [1]	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
EC50 96h - Algae [1]	19000 mg/l (Species: Pseudokirchneriella subcapitata)
<b>12.2. Persistence and degradability</b>	
<b>SALTED CARAMEL #EU55145F</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>Cinnamic aldehyde (104-55-2)</b>	
Persistence and degradability	Rapidly degradable
<b>Vanillin (121-33-5)</b>	
Persistence and degradability	Rapidly degradable
<b>Ethyl vanillin (121-32-4)</b>	
Persistence and degradability	Rapidly degradable
<b>1,2-Cyclopentanedione, 3-methyl- (765-70-8)</b>	
Persistence and degradability	Rapidly degradable
<b>Veratryl aldehyde (Veratraldehyde) (120-14-9)</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>COUMARIN (91-64-5)</b>	
Persistence and degradability	Rapidly degradable

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<b>benzaldehyde (100-52-7)</b>	
Persistence and degradability	Rapidly degradable
<b>1,2-Propanediol (57-55-6)</b>	
Persistence and degradability	Rapidly degradable
<b>isopentyl acetate (123-92-2)</b>	
Persistence and degradability	Rapidly degradable
<b>Phenylacetaldehyde (122-78-1)</b>	
Persistence and degradability	Rapidly degradable
<b>12.3. Bioaccumulative potential</b>	
<b>SALTED CARAMEL #EU55145F</b>	
Bioaccumulative potential	Not established.
<b>benzyl benzoate (120-51-4)</b>	
Partition coefficient n-octanol/water (Log Pow)	3.97 (at 25 °C)
Bioaccumulative potential	Not established.
<b>Cinnamic aldehyde (104-55-2)</b>	
Partition coefficient n-octanol/water (Log Pow)	2.1065 (at 25 °C)
<b>Vanillin (121-33-5)</b>	
Partition coefficient n-octanol/water (Log Pow)	1.23 (at 22 °C)
<b>Ethyl vanillin (121-32-4)</b>	
Partition coefficient n-octanol/water (Log Pow)	1.61 (at 25 °C)
<b>1,2-Cyclopentanedione, 3-methyl- (765-70-8)</b>	
Partition coefficient n-octanol/water (Log Pow)	-0.54 (calculated value)
<b>Veratryl aldehyde (Veratraldehyde) (120-14-9)</b>	
Partition coefficient n-octanol/water (Log Pow)	0.8 (at 25 °C)
<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>COUMARIN (91-64-5)</b>	
Partition coefficient n-octanol/water (Log Pow)	≥ 1.91 – ≤ 1.51 (at 25 °C (at pH 7)
<b>benzaldehyde (100-52-7)</b>	
BCF - Fish [1]	(no significant bioaccumulation)
Partition coefficient n-octanol/water (Log Pow)	1.4 (at 25 °C)
<b>1,2-Propanediol (57-55-6)</b>	
BCF - Fish [1]	(1 dimensionless)
Partition coefficient n-octanol/water (Log Pow)	-1.07 (at 20.5 °C (at pH >=6.2-<=6.4)

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### isopentyl acetate (123-92-2)

Partition coefficient n-octanol/water (Log Pow) 2.7 (at 35 °C)

### Phenylacetaldehyde (122-78-1)

Partition coefficient n-octanol/water (Log Pow) 1.44 (at 25 °C (at pH 6.4))

### 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

### SALTED CARAMEL #EU55145F

Other information Avoid release to the environment.

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

Other information Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container in accordance with local/national laws and regulations.  
Ecological waste information : Avoid release to the environment.  
HP Code : HP6 - "Acute Toxicity:" waste which can cause acute toxic effects following oral or dermal administration, or inhalation exposure.  
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>				
UN 3082				
<b>14.2. UN proper shipping name</b>				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl Benzoate)				

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ADR	IMDG	IATA	ADN	RID
<b>Transport document description</b>				
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl Benzoate), 9, III, (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl Benzoate), 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Benzyl Benzoate), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl Benzoate), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl Benzoate), 9, III
<b>14.3. Transport hazard class(es)</b>				
9	9	9	9	9
<b>14.4. Packing group</b>				
III	III	III	III	III
<b>14.5. Environmental hazards</b>				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes EmS-No. (Fire): F-A EmS-No. (Spillage): S-F	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR)	: M6
Special provisions (ADR)	: 274, 335, 375, 601
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Special packing provisions (ADR)	: PP1
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1, TP29
Tank code (ADR)	: LGBV
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV13
Hazard identification number (Kemler No.)	: 90
Orange plates	:  
Tunnel restriction code (ADR)	: -
EAC code	: •3Z

#### Transport by sea

Special provisions (IMDG)	: 274, 335, 969
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1

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Packing instructions (IMDG)	: LP01, P001
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP29
Stowage category (IMDG)	: A

### Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y964
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 964
PCA max net quantity (IATA)	: 450L
CAO packing instructions (IATA)	: 964
CAO max net quantity (IATA)	: 450L
Special provisions (IATA)	: A97, A158, A197, A215
ERG code (IATA)	: 9L

### Inland waterway transport

Classification code (ADN)	: M6
Special provisions (ADN)	: 274, 335, 375, 601
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP
Number of blue cones/lights (ADN)	: 0

### Rail transport

Classification code (RID)	: M6
Special provisions (RID)	: 274, 335, 375, 601
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, LP01, R001
Special packing provisions (RID)	: PP1
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions (RID)	: TP1, TP29
Tank codes for RID tanks (RID)	: LGBV
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Special provisions for carriage - Loading, unloading and handling (RID)	: CW13, CW31
Colis express (express parcels) (RID)	: CE8
Hazard identification number (RID)	: 90

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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### SECTION 15: Regulatory information

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

##### EU-Regulations

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

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(a)	Isoamyl acetate	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	SALTED CARAMEL #EU55145F ; Benzyl benzoate ; Cinnamic aldehyde ; Benzaldehyde ; Phenylacetaldehyde	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)	SALTED CARAMEL #EU55145F ; Benzyl benzoate ; Cinnamic aldehyde ; Phenylacetaldehyde	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
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 (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 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

##### VOC Directive (2004/42)

VOC content : 3.7727725 % (calculated value)(CARB VOC) (%w/w)

##### 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 (EC 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

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### 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

VOC ordinance (ChemVOCFarbV) : VOC content : 3.7727725 % (calculated value)(CARB VOC) (%w/w)

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

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

Major Accidents Ordinance (12. BImSchV) : Is not subject to the Major Accidents Ordinance (12. BImSchV)

#### Netherlands

ABM category : A(1) - highly 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 : 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

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### Poland

#### Polish National Regulations

: Act of 25 February 2011 on chemical substances and their mixtures (J. o L. No. 63, item 322 as amended; consolidated text J. o L. 2019, item 1225).  
Act of 14 December 2012 on waste (J. o L. 2013, item 322 as amended; consolidated text J. o L. 2020, item 797).  
The announcement of Marshal of the Sejm of the Republic of Poland dated 19 October 2016 concerning the consolidated text announcement of the decree on the management of packaging and packaging waste (J. o L. 2016, item 1863 as amended).  
Decree of the Minister of Environment of 14 December 2014 on the catalogue of waste (J. o L. 2014, item 1923).  
Act of 19 August 2011 on the Carriage of Dangerous Goods (J. o L. 2011 No. 227, item 1367 as amended; consolidated text J. o L. 2020, item 154).  
Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the highest permissible concentration and intensity of noxious agents for health at work environment (J. o L. item 1286 as amended).  
The announcement of Minister of Health dated 9 September 2016 concerning the consolidated text announcement of the decree of the Minister of Health of 30 December 2004 on health and safety at work related to exposure to chemical agents at work (J. o L. of 16 September 2016, item 1488)  
Regulation of the Minister of Health of 2 February 2011 on tests and measurements of the noxious agents for health at work environment (J. o L. No. 33, item 166 as amended).  
Regulation of the Minister of Environment of 9 December 2003 on particularly hazardous substances to the environment (J. o L. No. 217, item 2141).  
ADR Agreement: Government Statement of 13 March 2023 on the entry into force of amendments to Annexes A and B to the Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), signed in Geneva on 30 September 1957 (J. o. L. 2023, item 891)

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

Other information : None.

#### Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
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
EUH208	Contains {0 message≤name of sensitising substance> fieldvalue=_SENSITIZER_COMPONENTS}. May produce an allergic reaction.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1

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Full text of H- and EUH-statements:	
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, Respiratory tract irritation
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H361	Suspected of damaging fertility or the unborn child.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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.