nitorlack

167018 - Lacquer PU Guitars Antique Ivory G

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: 167018 - Lacquer PU Guitars Antique Ivory G

Other means of identification:

Not relevant

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

Relevant uses (Professional users): Coatings for wood
For Professional users only.
Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

Valresa Coatings, S.A.
Pol. Ind. Reva S-13 Avda. dels Gremis s/n
46190 Riba-roja de Turia Valencia - Spain
Phone: +34961669560
safety@valresa.com
www.valresa.com

1.4 Emergency telephone number: +34 961669560 (Sólo disponible en horario de oficina 8:00 - 16:30)

SECTION 2: HAZARDS IDENTIFICATION **

2.1 Classification of the substance or mixture:

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Flam. Liq. 3: Flammable liquids, Category 3, H226
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317
STOT RE 2: Specific target organ toxicity — Repeated exposure, Hazard Category 2 (Oral), H373

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

H226 - Flammable liquid and vapour.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Precautionary statements:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P378: In case of fire: Use Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC) to extinguish.
P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

Supplementary information:

Contains 4-morpholinecarbaldehyde.

Substances that contribute to the classification

Xylene; maleic anhydride

2.3 Other hazards:

*** Changes with regards to the previous version*

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SECTION 2: HAZARDS IDENTIFICATION ** (continued)

Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

*** Changes with regards to the previous version*

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS **

3.1 Substance:

Not relevant

3.2 Mixture:

Chemical description: Mixture composed of additives, aggregates and pigments in solvents

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 1330-20-7 EC: 215-535-7 Index: 601-022-00-9 REACH: 01-2119488216-32-XXXX	**Xylene**(1)	Self-classified	**10 - <25 %**
	Regulation 1272/2008	Acute Tox. 4: H312+H332; Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H335 - Danger	
CAS: Not relevant EC: 905-588-0 Index: Not relevant REACH: 01-2119488216-32-XXXX	**Reaction mass of ethylbenzene and xylene**(1)	Self-classified	**5 - <10 %**
	Regulation 1272/2008	Acute Tox. 4: H312+H332; Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H335 - Danger	
CAS: 108-65-6 EC: 203-603-9 Index: 607-195-00-7 REACH: 01-2119475791-29-XXXX	**2-methoxy-1-methylethyl acetate**(1)	Self-classified	**2,5 - <5 %**
	Regulation 1272/2008	Flam. Liq. 3: H226; STOT SE 3: H336 - Warning	
CAS: 123-86-4 EC: 204-658-1 Index: 607-025-00-1 REACH: 01-2119485493-29-XXXX	**N-butyl acetate**(1)	ATP CLP00	**2,5 - <5 %**
	Regulation 1272/2008	Flam. Liq. 3: H226; STOT SE 3: H336; EUH066 - Warning	
CAS: 100-41-4 EC: 202-849-4 Index: 601-023-00-4 REACH: 01-2119489370-35-XXXX	**Ethylbenzene**(1)	ATP ATP06	**2,5 - <5 %**
	Regulation 1272/2008	Acute Tox. 4: H332; Asp. Tox. 1: H304; Flam. Liq. 2: H225; STOT RE 2: H373 - Danger	
CAS: 78-93-3 EC: 201-159-0 Index: 606-002-00-3 REACH: 01-2119457290-43-XXXX	**Butanone**(1)	ATP CLP00	**0,25 - <2,5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Danger	
CAS: 141-78-6 EC: 205-500-4 Index: 607-022-00-5 REACH: 01-2119475103-46-XXXX	**Ethyl acetate**(2)	ATP CLP00	**0,25 - <2,5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Danger	
CAS: Not relevant EC: 905-562-9 Index: Not relevant REACH: 01-2119555267-33-XXXX	**Reaction mass of ethylbenzene and m-xylene and p-xylene**(2)	Self-classified	**0,1 - <0,25 %**
	Regulation 1272/2008	Acute Tox. 4: H312+H332; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H335 - Danger	
CAS: 4394-85-8 EC: 224-518-3 Index: Not relevant REACH: 01-2119987993-12-XXXX	**4-morpholinecarbaldehyde**(1)	Self-classified	**0,1 - <0,25 %**
	Regulation 1272/2008	Skin Sens. 1B: H317 - Warning	
CAS: 108-88-3 EC: 203-625-9 Index: 601-021-00-3 REACH: 01-2119471310-51-XXXX	**Toluene**(2)	ATP CLP00	**<0,1 %**
	Regulation 1272/2008	Asp. Tox. 1: H304; Flam. Liq. 2: H225; Repr. 2: H361d; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H336 - Danger	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Substance with a Union workplace exposure limit

*** Changes with regards to the previous version*

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS ** (continued)

Identification	Chemical name/Classification		Concentration
CAS: Not relevant EC: 905-588-0 Index: Not relevant REACH: 01-2119539452-40-XXXX	**Reaction mass of ethylbenzene and xylene(2)**	Self-classified	**<0,1 %**
	Regulation 1272/2008	Acute Tox. 4: H312+H332; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H335 - Danger	
CAS: 108-31-6 EC: 203-571-6 Index: 607-096-00-9 REACH: 01-2119472428-31-XXXX	**maleic anhydride(1)**	ATP ATP13	**<0,1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Eye Dam. 1: H318; Resp. Sens. 1: H334; Skin Corr. 1B: H314; Skin Sens. 1A: H317; STOT RE 1: H372; EUH071 - Danger	
CAS: 98-82-8 EC: 202-704-5 Index: 601-024-00-X REACH: 01-2119473983-24-XXXX	**Cumene(2)**	ATP ATP18	**<0,1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Carc. 1B: H350; Flam. Liq. 3: H226; STOT SE 3: H335 - Danger	
CAS: 140-88-5 EC: 205-438-8 Index: 607-032-00-X REACH: 01-2119459301-46-XXXX	**Ethyl acrylate(2)**	Self-classified	**<0,1 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Acute Tox. 4: H302+H312; Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Flam. Liq. 2: H225; Skin Irrit. 2: H315; Skin Sens. 1: H317; STOT SE 3: H335 - Danger	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
Reaction mass of ethylbenzene and m-xylene and p-xylene CAS: Not relevant EC: 905-562-9	% (w/w) >=10: STOT RE 2 - H373
Reaction mass of ethylbenzene and xylene CAS: Not relevant EC: 905-588-0	% (w/w) >=10: STOT RE 2 - H373
maleic anhydride CAS: 108-31-6 EC: 203-571-6	% (w/w) >=0,001: Skin Sens. 1A - H317

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity		Genus
Reaction mass of ethylbenzene and xylene CAS: Not relevant EC: 905-588-0	LD50 oral	Not relevant	
	LD50 dermal	1100 mg/kg	
	LC50 inhalation vapour	11 mg/L	
Xylene CAS: 1330-20-7 EC: 215-535-7	LD50 oral	Not relevant	
	LD50 dermal	1100 mg/kg	Rat
	LC50 inhalation vapour	17 mg/L	Rat
Ethylbenzene CAS: 100-41-4 EC: 202-849-4	LD50 oral	Not relevant	
	LD50 dermal	Not relevant	
	LC50 inhalation vapour	17,2 mg/L	Rat
Reaction mass of ethylbenzene and m-xylene and p-xylene CAS: Not relevant EC: 905-562-9	LD50 oral	Not relevant	
	LD50 dermal	1100 mg/kg	Rat
	LC50 inhalation vapour	11 mg/L	
Reaction mass of ethylbenzene and xylene CAS: Not relevant EC: 905-588-0	LD50 oral	3523 mg/kg	Rat
	LD50 dermal	1100 mg/kg	
	LC50 inhalation vapour	11 mg/L	
maleic anhydride CAS: 108-31-6 EC: 203-571-6	LD50 oral	1090 mg/kg	Rat
	LD50 dermal	Not relevant	
	LC50 inhalation vapour	Not relevant	
Ethyl acrylate CAS: 140-88-5 EC: 205-438-8	LD50 oral	1120 mg/kg	Rat
	LD50 dermal	1100 mg/kg	
	LC50 inhalation vapour	3 mg/L	

*** Changes with regards to the previous version*

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Not relevant

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

Unsuitable extinguishing media:

Water jet

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

It is recommended to avoid environmental spillage of both the product and its container.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.
Spillages in water or sea:
Small spillages:
Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.
Large spillages:
If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Minimum Temp.: 5 ºC

Maximum Temp.: 35 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
Ethyl acrylate	IOELV (8h)	5 ppm	21 mg/m³
CAS: 140-88-5 EC: 205-438-8	IOELV (STEL)	10 ppm	42 mg/m³
Reaction mass of ethylbenzene and xylene	IOELV (8h)	50 ppm	221 mg/m³
CAS: Not relevant EC: 905-588-0	IOELV (STEL)	100 ppm	442 mg/m³
Cumene (1)	IOELV (8h)	20 ppm	100 mg/m³
CAS: 98-82-8 EC: 202-704-5	IOELV (STEL)	50 ppm	250 mg/m³
N-butyl acetate	IOELV (8h)	50 ppm	241 mg/m³
CAS: 123-86-4 EC: 204-658-1	IOELV (STEL)	150 ppm	723 mg/m³
Butanone	IOELV (8h)	200 ppm	600 mg/m³
CAS: 78-93-3 EC: 201-159-0	IOELV (STEL)	300 ppm	900 mg/m³
2-methoxy-1-methylethyl acetate (1)	IOELV (8h)	50 ppm	275 mg/m³
CAS: 108-65-6 EC: 203-603-9	IOELV (STEL)	100 ppm	550 mg/m³
Ethyl acetate	IOELV (8h)	200 ppm	734 mg/m³
CAS: 141-78-6 EC: 205-500-4	IOELV (STEL)	400 ppm	1468 mg/m³
Xylene (1)	IOELV (8h)	50 ppm	221 mg/m³
CAS: 1330-20-7 EC: 215-535-7	IOELV (STEL)	100 ppm	442 mg/m³
Ethylbenzene (1)	IOELV (8h)	100 ppm	442 mg/m³
CAS: 100-41-4 EC: 202-849-4	IOELV (STEL)	200 ppm	884 mg/m³
Toluene (1)	IOELV (8h)	50 ppm	192 mg/m³
CAS: 108-88-3 EC: 203-625-9	IOELV (STEL)	100 ppm	384 mg/m³
Reaction mass of ethylbenzene and m-xylene and p-xylene	IOELV (8h)	50 ppm	221 mg/m³
CAS: Not relevant EC: 905-562-9	IOELV (STEL)	100 ppm	442 mg/m³
Reaction mass of ethylbenzene and xylene	IOELV (8h)	50 ppm	221 mg/m³
CAS: Not relevant EC: 905-588-0	IOELV (STEL)	100 ppm	442 mg/m³

(1) Skin

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Xylene	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 1330-20-7	Dermal	Not relevant	Not relevant	212 mg/kg	Not relevant
EC: 215-535-7	Inhalation	442 mg/m³	442 mg/m³	221 mg/m³	221 mg/m³
Reaction mass of ethylbenzene and xylene	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: Not relevant	Dermal	Not relevant	Not relevant	212 mg/kg	Not relevant
EC: 905-588-0	Inhalation	442 mg/m³	442 mg/m³	221 mg/m³	221 mg/m³
2-methoxy-1-methylethyl acetate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 108-65-6	Dermal	Not relevant	Not relevant	796 mg/kg	Not relevant
EC: 203-603-9	Inhalation	Not relevant	550 mg/m³	275 mg/m³	Not relevant
N-butyl acetate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 123-86-4	Dermal	11 mg/kg	Not relevant	11 mg/kg	Not relevant
EC: 204-658-1	Inhalation	600 mg/m³	600 mg/m³	300 mg/m³	300 mg/m³
Ethylbenzene	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 100-41-4	Dermal	Not relevant	Not relevant	180 mg/kg	Not relevant
EC: 202-849-4	Inhalation	Not relevant	293 mg/m³	77 mg/m³	Not relevant
Butanone	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 78-93-3	Dermal	Not relevant	Not relevant	1161 mg/kg	Not relevant
EC: 201-159-0	Inhalation	Not relevant	Not relevant	600 mg/m³	Not relevant
Ethyl acetate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 141-78-6	Dermal	Not relevant	Not relevant	63 mg/kg	Not relevant
EC: 205-500-4	Inhalation	1468 mg/m³	1468 mg/m³	734 mg/m³	734 mg/m³
Reaction mass of ethylbenzene and m-xylene and p-xylene	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: Not relevant	Dermal	Not relevant	Not relevant	212 mg/kg	Not relevant
EC: 905-562-9	Inhalation	442 mg/m³	442 mg/m³	221 mg/m³	221 mg/m³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
4-morpholinecarbaldehyde	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 4394-85-8	Dermal	Not relevant	Not relevant	11,7 mg/kg	Not relevant
EC: 224-518-3	Inhalation	Not relevant	Not relevant	50,3 mg/m³	13,3 mg/m³
Toluene	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 108-88-3	Dermal	Not relevant	Not relevant	384 mg/kg	Not relevant
EC: 203-625-9	Inhalation	384 mg/m³	384 mg/m³	192 mg/m³	192 mg/m³
Reaction mass of ethylbenzene and xylene	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: Not relevant	Dermal	Not relevant	Not relevant	212 mg/kg	Not relevant
EC: 905-588-0	Inhalation	442 mg/m³	442 mg/m³	221 mg/m³	221 mg/m³
maleic anhydride	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 108-31-6	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
EC: 203-571-6	Inhalation	0,2 mg/m³	0,2 mg/m³	0,081 mg/m³	0,081 mg/m³
Cumene	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 98-82-8	Dermal	Not relevant	Not relevant	15,4 mg/kg	Not relevant
EC: 202-704-5	Inhalation	Not relevant	250 mg/m³	100 mg/m³	Not relevant
Ethyl acrylate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 140-88-5	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
EC: 205-438-8	Inhalation	Not relevant	Not relevant	Not relevant	21 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Xylene	Oral	Not relevant	Not relevant	12,5 mg/kg	Not relevant
CAS: 1330-20-7	Dermal	Not relevant	Not relevant	125 mg/kg	Not relevant
EC: 215-535-7	Inhalation	260 mg/m³	260 mg/m³	65,3 mg/m³	65,3 mg/m³
Reaction mass of ethylbenzene and xylene	Oral	Not relevant	Not relevant	12,5 mg/kg	Not relevant
CAS: Not relevant	Dermal	Not relevant	Not relevant	125 mg/kg	Not relevant
EC: 905-588-0	Inhalation	260 mg/m³	260 mg/m³	65,3 mg/m³	65,3 mg/m³
2-methoxy-1-methylethyl acetate	Oral	Not relevant	Not relevant	36 mg/kg	Not relevant
CAS: 108-65-6	Dermal	Not relevant	Not relevant	320 mg/kg	Not relevant
EC: 203-603-9	Inhalation	Not relevant	Not relevant	33 mg/m³	33 mg/m³
N-butyl acetate	Oral	2 mg/kg	Not relevant	2 mg/kg	Not relevant
CAS: 123-86-4	Dermal	6 mg/kg	Not relevant	6 mg/kg	Not relevant
EC: 204-658-1	Inhalation	300 mg/m³	300 mg/m³	35,7 mg/m³	35,7 mg/m³
Ethylbenzene	Oral	Not relevant	Not relevant	1,6 mg/kg	Not relevant
CAS: 100-41-4	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
EC: 202-849-4	Inhalation	Not relevant	Not relevant	15 mg/m³	Not relevant
Butanone	Oral	Not relevant	Not relevant	31 mg/kg	Not relevant
CAS: 78-93-3	Dermal	Not relevant	Not relevant	412 mg/kg	Not relevant
EC: 201-159-0	Inhalation	Not relevant	Not relevant	106 mg/m³	Not relevant
Ethyl acetate	Oral	Not relevant	Not relevant	4,5 mg/kg	Not relevant
CAS: 141-78-6	Dermal	Not relevant	Not relevant	37 mg/kg	Not relevant
EC: 205-500-4	Inhalation	734 mg/m³	734 mg/m³	367 mg/m³	367 mg/m³
Reaction mass of ethylbenzene and m-xylene and p-xylene	Oral	Not relevant	Not relevant	12,5 mg/kg	Not relevant
CAS: Not relevant	Dermal	Not relevant	Not relevant	125 mg/kg	Not relevant
EC: 905-562-9	Inhalation	260 mg/m³	260 mg/m³	65,3 mg/m³	65,3 mg/m³
4-morpholinecarbaldehyde	Oral	Not relevant	Not relevant	4,17 mg/kg	Not relevant
CAS: 4394-85-8	Dermal	Not relevant	Not relevant	4,17 mg/kg	Not relevant
EC: 224-518-3	Inhalation	Not relevant	Not relevant	8,93 mg/m³	13,3 mg/m³
Toluene	Oral	Not relevant	Not relevant	8,13 mg/kg	Not relevant
CAS: 108-88-3	Dermal	Not relevant	Not relevant	226 mg/kg	Not relevant
EC: 203-625-9	Inhalation	226 mg/m³	226 mg/m³	56,5 mg/m³	56,5 mg/m³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Reaction mass of ethylbenzene and xylene	Oral	Not relevant	Not relevant	12,5 mg/kg	Not relevant
CAS: Not relevant	Dermal	Not relevant	Not relevant	125 mg/kg	Not relevant
EC: 905-588-0	Inhalation	260 mg/m³	260 mg/m³	65,3 mg/m³	65,3 mg/m³
Cumene	Oral	Not relevant	Not relevant	5 mg/kg	Not relevant
CAS: 98-82-8	Dermal	Not relevant	Not relevant	1,2 mg/kg	Not relevant
EC: 202-704-5	Inhalation	Not relevant	Not relevant	16,6 mg/m³	Not relevant
Ethyl acrylate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 140-88-5	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
EC: 205-438-8	Inhalation	Not relevant	Not relevant	Not relevant	2,5 mg/m³

PNEC:

Identification				
Xylene	STP	6,58 mg/L	Fresh water	0,327 mg/L
CAS: 1330-20-7	Soil	2,31 mg/kg	Marine water	0,327 mg/L
EC: 215-535-7	Intermittent	0,327 mg/L	Sediment (Fresh water)	12,46 mg/kg
	Oral	Not relevant	Sediment (Marine water)	12,46 mg/kg
Reaction mass of ethylbenzene and xylene	STP	6,58 mg/L	Fresh water	0,327 mg/L
CAS: Not relevant	Soil	2,31 mg/kg	Marine water	0,327 mg/L
EC: 905-588-0	Intermittent	0,327 mg/L	Sediment (Fresh water)	12,46 mg/kg
	Oral	Not relevant	Sediment (Marine water)	12,46 mg/kg
2-methoxy-1-methylethyl acetate	STP	100 mg/L	Fresh water	0,635 mg/L
CAS: 108-65-6	Soil	0,29 mg/kg	Marine water	0,064 mg/L
EC: 203-603-9	Intermittent	6,35 mg/L	Sediment (Fresh water)	3,29 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,329 mg/kg
N-butyl acetate	STP	35,6 mg/L	Fresh water	0,18 mg/L
CAS: 123-86-4	Soil	0,09 mg/kg	Marine water	0,018 mg/L
EC: 204-658-1	Intermittent	0,36 mg/L	Sediment (Fresh water)	0,981 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,098 mg/kg
Ethylbenzene	STP	9,6 mg/L	Fresh water	0,1 mg/L
CAS: 100-41-4	Soil	2,68 mg/kg	Marine water	0,01 mg/L
EC: 202-849-4	Intermittent	0,1 mg/L	Sediment (Fresh water)	13,7 mg/kg
	Oral	0,02 g/kg	Sediment (Marine water)	1,37 mg/kg
Butanone	STP	709 mg/L	Fresh water	55,8 mg/L
CAS: 78-93-3	Soil	22,5 mg/kg	Marine water	55,8 mg/L
EC: 201-159-0	Intermittent	55,8 mg/L	Sediment (Fresh water)	284,74 mg/kg
	Oral	1 g/kg	Sediment (Marine water)	284,7 mg/kg
Ethyl acetate	STP	650 mg/L	Fresh water	0,24 mg/L
CAS: 141-78-6	Soil	0,148 mg/kg	Marine water	0,024 mg/L
EC: 205-500-4	Intermittent	1,65 mg/L	Sediment (Fresh water)	1,15 mg/kg
	Oral	0,2 g/kg	Sediment (Marine water)	0,115 mg/kg
Reaction mass of ethylbenzene and m-xylene and p-xylene	STP	6,58 mg/L	Fresh water	0,327 mg/L
CAS: Not relevant	Soil	2,31 mg/kg	Marine water	0,327 mg/L
EC: 905-562-9	Intermittent	0,327 mg/L	Sediment (Fresh water)	12,46 mg/kg
	Oral	Not relevant	Sediment (Marine water)	12,46 mg/kg
4-morpholinecarbaldehyde	STP	2000 mg/L	Fresh water	0,5 mg/L
CAS: 4394-85-8	Soil	0,244 mg/kg	Marine water	0,05 mg/L
EC: 224-518-3	Intermittent	5 mg/L	Sediment (Fresh water)	2,69 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,269 mg/kg
Toluene	STP	13,61 mg/L	Fresh water	0,68 mg/L
CAS: 108-88-3	Soil	2,89 mg/kg	Marine water	0,68 mg/L
EC: 203-625-9	Intermittent	0,68 mg/L	Sediment (Fresh water)	16,39 mg/kg
	Oral	Not relevant	Sediment (Marine water)	16,39 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Reaction mass of ethylbenzene and xylene CAS: Not relevant EC: 905-588-0	STP	6,58 mg/L	Fresh water	0,327 mg/L
	Soil	2,31 mg/kg	Marine water	0,327 mg/L
	Intermittent	0,327 mg/L	Sediment (Fresh water)	12,46 mg/kg
	Oral	Not relevant	Sediment (Marine water)	12,46 mg/kg
maleic anhydride CAS: 108-31-6 EC: 203-571-6	STP	44,6 mg/L	Fresh water	0,038 mg/L
	Soil	0,037 mg/kg	Marine water	0,004 mg/L
	Intermittent	0,379 mg/L	Sediment (Fresh water)	0,296 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,03 mg/kg
Cumene CAS: 98-82-8 EC: 202-704-5	STP	200 mg/L	Fresh water	0,035 mg/L
	Soil	0,624 mg/kg	Marine water	0,004 mg/L
	Intermittent	0,012 mg/L	Sediment (Fresh water)	3,22 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,322 mg/kg
Ethyl acrylate CAS: 140-88-5 EC: 205-438-8	STP	10 mg/L	Fresh water	0,003 mg/L
	Soil	1 mg/kg	Marine water	0 mg/L
	Intermittent	0,011 mg/L	Sediment (Fresh water)	0,021 mg/kg
	Oral	0,01 g/kg	Sediment (Marine water)	0,021 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases, vapours and particles (Filter type: A)	CE CAT III	EN 149:2001+A1:2010 EN 405:2002+A1:2010 EN ISO 136:1998	Replace when an increase in resistence to breathing is observed and/or a smell or taste of the contaminant is detected.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory complete body protection	Antistatic and fireproof protective clothing	CE CAT III	EN 1149-1:2007 EN 1149-2:1998 EN 1149-3:2004 UNE-EN ISO 18526-1 al 4:2020 EN ISO 14116:2015 EN 1149-5:2018	Limited protection against flames.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory foot protection	Safety footwear with antistatic and heat resistant properties	CE CAT III	EN ISO 13287:2020 EN ISO 20345:2022	Replace boots at any sign of deterioration.

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	33,24 % weight
V.O.C. density at 25 ºC:	425,16 kg/m³ (425,16 g/L)
Average carbon number:	7,13
Average molecular weight:	108,79 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Viscous
Colour:	Ivory
Odour:	Not relevant *
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	129 ºC
Vapour pressure at 25 ºC:	2456 Pa
Vapour pressure at 50 ºC:	8117,94 Pa (8,12 kPa)
Evaporation rate at 25 ºC:	Not relevant *

Product description:

Density at 25 ºC:	1279,1 kg/m³
Relative density at 25 ºC:	1,279
Dynamic viscosity at 25 ºC:	Not relevant *
Kinematic viscosity at 25 ºC:	>90,8 mm²/s
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Not relevant *
pH:	Not relevant *
Vapour density at 25 ºC:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Partition coefficient n-octanol/water 25 ºC:	Not relevant *
Solubility in water at 25 ºC:	Not relevant *
Solubility properties:	Not relevant *
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *
Flammability:	
Flash Point:	23 ºC
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	315 ºC
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *
Particle characteristics:	
Median equivalent diameter:	Not relevant *

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Not relevant *
Oxidising properties:	Not relevant *
Corrosive to metals:	Not relevant *
Heat of combustion:	Not relevant *
Aerosols-total percentage (by mass) of flammable components:	Not relevant *
Other safety characteristics:	
Surface tension at 25 ºC:	Not relevant *
Refraction index:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

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

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with carcinogenic effects. For more information see section 3.
  IARC: Ethyl acrylate (2B); Reaction mass of ethylbenzene and xylene (3); Cumene (2B); Xylene (3); Ethylbenzene (2B); Toluene (3); Hydrocarbons, C9, aromatics (3); Reaction mass of ethylbenzene and m-xylene and p-xylene (3); Carbon black (2B); Talc (3); Reaction mass of ethylbenzene and xylene (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.
- Skin: Based on available data, the classification criteria are not met. However, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Reaction mass of ethylbenzene and xylene	LD50 oral	3523 mg/kg	Rat
CAS: Not relevant EC: 905-588-0	LD50 dermal	1100 mg/kg	
	LC50 inhalation vapour	11 mg/L	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	LD50 oral	12789 mg/kg	Rat
	LD50 dermal	14112 mg/kg	Rabbit
	LC50 inhalation vapour	23,4 mg/L (4 h)	Rat
Butanone CAS: 78-93-3 EC: 201-159-0	LD50 oral	4000 mg/kg	Rat
	LD50 dermal	6400 mg/kg	Rabbit
	LC50 inhalation vapour	23,5 mg/L (4 h)	Rat
2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9	LD50 oral	8532 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	Rat
	LC50 inhalation vapour	30 mg/L (4 h)	Rat
Xylene CAS: 1330-20-7 EC: 215-535-7	LD50 oral	2100 mg/kg	Rat
	LD50 dermal	1100 mg/kg	Rat
	LC50 inhalation vapour	17 mg/L	Rat
Ethylbenzene CAS: 100-41-4 EC: 202-849-4	LD50 oral	3500 mg/kg	Rat
	LD50 dermal	15354 mg/kg	Rabbit
	LC50 inhalation vapour	17,2 mg/L	Rat
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	LD50 oral	4100 mg/kg	Rat
	LD50 dermal	20000 mg/kg	Rabbit
	LC50 inhalation vapour	>20 mg/L	
Reaction mass of ethylbenzene and m-xylene and p-xylene CAS: Not relevant EC: 905-562-9	LD50 oral	5627 mg/kg	Mouse
	LD50 dermal	1100 mg/kg	Rat
	LC50 inhalation vapour	11 mg/L	
4-morpholinecarbaldehyde CAS: 4394-85-8 EC: 224-518-3	LD50 oral	7475 mg/kg	Rat
	LD50 dermal	18400 mg/kg	Rabbit
	LC50 inhalation dust	>5 mg/L	
Toluene CAS: 108-88-3 EC: 203-625-9	LD50 oral	5580 mg/kg	Rat
	LD50 dermal	12124 mg/kg	Rat
	LC50 inhalation vapour	28,1 mg/L (4 h)	Rat
Reaction mass of ethylbenzene and xylene CAS: Not relevant EC: 905-588-0	LD50 oral	3523 mg/kg	Rat
	LD50 dermal	1100 mg/kg	
	LC50 inhalation vapour	11 mg/L	
maleic anhydride CAS: 108-31-6 EC: 203-571-6	LD50 oral	1090 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation dust	>5 mg/L	
Cumene CAS: 98-82-8 EC: 202-704-5	LD50 oral	2700 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation vapour	>20 mg/L	
Ethyl acrylate CAS: 140-88-5 EC: 205-438-8	LD50 oral	1120 mg/kg	Rat
	LD50 dermal	1100 mg/kg	
	LC50 inhalation vapour	3 mg/L	

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

Other information

Not relevant

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

12.1 Toxicity:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Acute toxicity:

Identification	Concentration		Species	Genus
Xylene	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 1330-20-7	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 215-535-7	EC50	>10 - 100 mg/L (72 h)		Algae
Reaction mass of ethylbenzene and xylene	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: Not relevant	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 905-588-0	EC50	>10 - 100 mg/L (72 h)		Algae
2-methoxy-1-methylethyl acetate	LC50	161 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-65-6	EC50	481 mg/L (48 h)	Daphnia sp.	Crustacean
EC: 203-603-9	EC50	Not relevant		
N-butyl acetate	LC50	Not relevant		
CAS: 123-86-4	EC50	Not relevant		
EC: 204-658-1	EC50	675 mg/L (72 h)	Scenedesmus subspicatus	Algae
Ethylbenzene	LC50	42,3 mg/L (96 h)	Pimephales promelas	Fish
CAS: 100-41-4	EC50	75 mg/L (48 h)	Daphnia magna	Crustacean
EC: 202-849-4	EC50	63 mg/L (3 h)	Chlorella vulgaris	Algae
Butanone	LC50	3220 mg/L (96 h)	Pimephales promelas	Fish
CAS: 78-93-3	EC50	5091 mg/L (48 h)	Daphnia magna	Crustacean
EC: 201-159-0	EC50	4300 mg/L (168 h)	Scenedesmus quadricauda	Algae
Ethyl acetate	LC50	230 mg/L (96 h)	Pimephales promelas	Fish
CAS: 141-78-6	EC50	717 mg/L (48 h)	Daphnia magna	Crustacean
EC: 205-500-4	EC50	3300 mg/L (48 h)	Scenedesmus subspicatus	Algae
4-morpholinecarbaldehyde	LC50	500 mg/L (96 h)	Leuciscus idus	Fish
CAS: 4394-85-8	EC50	Not relevant		
EC: 224-518-3	EC50	23880 mg/L (72 h)	Desmodesmus subspicatus	Algae
Toluene	LC50	5,5 mg/L (96 h)	Oncorhynchus kisutch	Fish
CAS: 108-88-3	EC50	3,78 mg/L (48 h)	Ceriodaphnia dubia	Crustacean
EC: 203-625-9	EC50	Not relevant		
Cumene	LC50	2,7 mg/L (96 h)	Salmo gairdneri	Fish
CAS: 98-82-8	EC50	10,8 mg/L (48 h)	Daphnia magna	Crustacean
EC: 202-704-5	EC50	2,6 mg/L (72 h)	Selenastrum capricornutum	Algae
Ethyl acrylate	LC50	4,6 mg/L (96 h)	Oncorhynchus mykiss	Fish
CAS: 140-88-5	EC50	7,9 mg/L (48 h)	Daphnia magna	Crustacean
EC: 205-438-8	EC50	4,5 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Xylene	NOEC	1,3 mg/L	Oncorhynchus mykiss	Fish
CAS: 1330-20-7 EC: 215-535-7	NOEC	1,17 mg/L	Ceriodaphnia dubia	Crustacean
2-methoxy-1-methylethyl acetate	NOEC	47,5 mg/L	Oryzias latipes	Fish
CAS: 108-65-6 EC: 203-603-9	NOEC	100 mg/L	Daphnia magna	Crustacean
N-butyl acetate	NOEC	Not relevant		
CAS: 123-86-4 EC: 204-658-1	NOEC	23,2 mg/L	Daphnia magna	Crustacean
Ethylbenzene	NOEC	Not relevant		
CAS: 100-41-4 EC: 202-849-4	NOEC	0,96 mg/L	Ceriodaphnia dubia	Crustacean
Ethyl acetate	NOEC	9,65 mg/L	Pimephales promelas	Fish
CAS: 141-78-6 EC: 205-500-4	NOEC	2,4 mg/L	Daphnia magna	Crustacean
Reaction mass of ethylbenzene and m-xylene and p-xylene	NOEC	1,3 mg/L	Oncorhynchus mykiss	Fish
CAS: Not relevant EC: 905-562-9	NOEC	1,17 mg/L	Ceriodaphnia dubia	Crustacean
4-morpholinecarbaldehyde	NOEC	1 mg/L	N/A	Fish
CAS: 4394-85-8 EC: 224-518-3	NOEC	1 mg/L	Daphnia magna	Crustacean
Reaction mass of ethylbenzene and xylene	NOEC	1,3 mg/L	Oncorhynchus mykiss	Fish
CAS: Not relevant EC: 905-588-0	NOEC	1,17 mg/L	Ceriodaphnia dubia	Crustacean

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
Cumene	NOEC	0,38 mg/L	Pimephales promelas	Fish
CAS: 98-82-8 EC: 202-704-5	NOEC	0,35 mg/L	Daphnia magna	Crustacean
Ethyl acrylate	NOEC	Not relevant		
CAS: 140-88-5 EC: 205-438-8	NOEC	0,19 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
Xylene	BOD5	Not relevant	Concentration	Not relevant
CAS: 1330-20-7	COD	Not relevant	Period	28 days
EC: 215-535-7	BOD5/COD	Not relevant	% Biodegradable	88 %
Reaction mass of ethylbenzene and xylene	BOD5	Not relevant	Concentration	16 mg/L
CAS: Not relevant	COD	Not relevant	Period	28 days
EC: 905-588-0	BOD5/COD	Not relevant	% Biodegradable	94 %
2-methoxy-1-methylethyl acetate	BOD5	Not relevant	Concentration	785 mg/L
CAS: 108-65-6	COD	Not relevant	Period	8 days
EC: 203-603-9	BOD5/COD	Not relevant	% Biodegradable	100 %
N-butyl acetate	BOD5	Not relevant	Concentration	Not relevant
CAS: 123-86-4	COD	Not relevant	Period	5 days
EC: 204-658-1	BOD5/COD	Not relevant	% Biodegradable	84 %
Ethylbenzene	BOD5	Not relevant	Concentration	100 mg/L
CAS: 100-41-4	COD	Not relevant	Period	14 days
EC: 202-849-4	BOD5/COD	Not relevant	% Biodegradable	90 %
Butanone	BOD5	2,03 g O2/g	Concentration	Not relevant
CAS: 78-93-3	COD	2,31 g O2/g	Period	20 days
EC: 201-159-0	BOD5/COD	0,88	% Biodegradable	89 %
Ethyl acetate	BOD5	1,36 g O2/g	Concentration	100 mg/L
CAS: 141-78-6	COD	1,69 g O2/g	Period	14 days
EC: 205-500-4	BOD5/COD	0,8	% Biodegradable	83 %
4-morpholinecarbaldehyde	BOD5	Not relevant	Concentration	100 mg/L
CAS: 4394-85-8	COD	Not relevant	Period	30 days
EC: 224-518-3	BOD5/COD	Not relevant	% Biodegradable	100 %
Toluene	BOD5	2,5 g O2/g	Concentration	100 mg/L
CAS: 108-88-3	COD	Not relevant	Period	14 days
EC: 203-625-9	BOD5/COD	Not relevant	% Biodegradable	100 %
maleic anhydride	BOD5	Not relevant	Concentration	33.33 mg/L
CAS: 108-31-6	COD	Not relevant	Period	29 days
EC: 203-571-6	BOD5/COD	Not relevant	% Biodegradable	98,19 %
Cumene	BOD5	Not relevant	Concentration	100 mg/L
CAS: 98-82-8	COD	Not relevant	Period	14 days
EC: 202-704-5	BOD5/COD	Not relevant	% Biodegradable	40 %
Ethyl acrylate	BOD5	Not relevant	Concentration	Not relevant
CAS: 140-88-5	COD	Not relevant	Period	28 days
EC: 205-438-8	BOD5/COD	Not relevant	% Biodegradable	85 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Xylene	BCF	9
CAS: 1330-20-7	Pow Log	2.77
EC: 215-535-7	Potential	Low
Reaction mass of ethylbenzene and xylene	BCF	26
CAS: Not relevant	Pow Log	2.77
EC: 905-588-0	Potential	Low

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
2-methoxy-1-methylethyl acetate	BCF	1
CAS: 108-65-6	Pow Log	0.43
EC: 203-603-9	Potential	Low
N-butyl acetate	BCF	4
CAS: 123-86-4	Pow Log	1.78
EC: 204-658-1	Potential	Low
Ethylbenzene	BCF	1
CAS: 100-41-4	Pow Log	3.15
EC: 202-849-4	Potential	Low
Butanone	BCF	3
CAS: 78-93-3	Pow Log	0.29
EC: 201-159-0	Potential	Low
Ethyl acetate	BCF	30
CAS: 141-78-6	Pow Log	0.73
EC: 205-500-4	Potential	Moderate
Reaction mass of ethylbenzene and m-xylene and p-xylene	BCF	9
CAS: Not relevant	Pow Log	2.77
EC: 905-562-9	Potential	Low
4-morpholinecarbaldehyde	BCF	1
CAS: 4394-85-8	Pow Log	-1.2
EC: 224-518-3	Potential	Low
Toluene	BCF	90
CAS: 108-88-3	Pow Log	2.73
EC: 203-625-9	Potential	Moderate
Reaction mass of ethylbenzene and xylene	BCF	9
CAS: Not relevant	Pow Log	2.77
EC: 905-588-0	Potential	Low
maleic anhydride	BCF	
CAS: 108-31-6	Pow Log	-2.61
EC: 203-571-6	Potential	
Cumene	BCF	120
CAS: 98-82-8	Pow Log	3.66
EC: 202-704-5	Potential	High
Ethyl acrylate	BCF	2
CAS: 140-88-5	Pow Log	1.18
EC: 205-438-8	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Xylene	Koc	202	Henry	524,86 Pa·m³/mol
CAS: 1330-20-7	Conclusion	Moderate	Dry soil	Yes
EC: 215-535-7	Surface tension	Not relevant	Moist soil	Yes
Reaction mass of ethylbenzene and xylene	Koc	537	Henry	623 Pa·m³/mol
CAS: Not relevant	Conclusion	Moderate	Dry soil	Yes
EC: 905-588-0	Surface tension	Not relevant	Moist soil	Yes
N-butyl acetate	Koc	Not relevant	Henry	Not relevant
CAS: 123-86-4	Conclusion	Not relevant	Dry soil	Not relevant
EC: 204-658-1	Surface tension	2,478E-2 N/m (25 ºC)	Moist soil	Not relevant
Ethylbenzene	Koc	520	Henry	798,44 Pa·m³/mol
CAS: 100-41-4	Conclusion	Moderate	Dry soil	Yes
EC: 202-849-4	Surface tension	2,859E-2 N/m (25 ºC)	Moist soil	Yes
Butanone	Koc	30	Henry	5,77 Pa·m³/mol
CAS: 78-93-3	Conclusion	Very High	Dry soil	Yes
EC: 201-159-0	Surface tension	2,396E-2 N/m (25 ºC)	Moist soil	Yes

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
Ethyl acetate	Koc	59	Henry	13,58 Pa·m³/mol
CAS: 141-78-6	Conclusion	Very High	Dry soil	Yes
EC: 205-500-4	Surface tension	2,324E-2 N/m (25 ºC)	Moist soil	Yes
4-morpholinecarbaldehyde	Koc	1	Henry	2,302E-3 Pa·m³/mol
CAS: 4394-85-8	Conclusion	Very High	Dry soil	Not relevant
EC: 224-518-3	Surface tension	Not relevant	Moist soil	Not relevant
Toluene	Koc	178	Henry	672,8 Pa·m³/mol
CAS: 108-88-3	Conclusion	Moderate	Dry soil	Yes
EC: 203-625-9	Surface tension	2,793E-2 N/m (25 ºC)	Moist soil	Yes
maleic anhydride	Koc	42	Henry	0E+0 Pa·m³/mol
CAS: 108-31-6	Conclusion	Very High	Dry soil	Not relevant
EC: 203-571-6	Surface tension	1,673E-2 N/m (250,21 ºC)	Moist soil	Not relevant
Cumene	Koc	Not relevant	Henry	Not relevant
CAS: 98-82-8	Conclusion	Not relevant	Dry soil	Not relevant
EC: 202-704-5	Surface tension	2,769E-2 N/m (25 ºC)	Moist soil	Not relevant
Ethyl acrylate	Koc	Not relevant	Henry	Not relevant
CAS: 140-88-5	Conclusion	Not relevant	Dry soil	Not relevant
EC: 205-438-8	Surface tension	2,466E-2 N/m (25 ºC)	Moist soil	Not relevant

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances	Hazardous

Type of waste (Regulation (EU) No 1357/2014):

HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2023 and RID 2023:

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SECTION 14: TRANSPORT INFORMATION (continued)



14.1	**UN number or ID number:**	UN1263
14.2	**UN proper shipping name:**	PAINT
14.3	**Transport hazard class(es):**	3
	Labels:	3
14.4	**Packing group:**	III
14.5	**Environmental hazards:**	No
14.6	**Special precautions for user**	
	Special regulations:	163, 367, 650
	Tunnel restriction code:	D/E
	Physico-Chemical properties:	see section 9
	Limited quantities:	5 L
14.7	**Maritime transport in bulk according to IMO instruments:**	Not relevant

Transport of dangerous goods by sea:

With regard to IMDG 41-22:



14.1	**UN number or ID number:**	UN1263
14.2	**UN proper shipping name:**	PAINT
14.3	**Transport hazard class(es):**	3
	Labels:	3
14.4	**Packing group:**	III
14.5	**Marine pollutant:**	No
14.6	**Special precautions for user**	
	Special regulations:	223, 955, 163, 367
	EmS Codes:	F-E, S-E
	Physico-Chemical properties:	see section 9
	Limited quantities:	5 L
	Segregation group:	Not relevant
14.7	**Maritime transport in bulk according to IMO instruments:**	Not relevant

Transport of dangerous goods by air:

With regard to IATA/ICAO 2025:



14.1	**UN number or ID number:**	UN1263
14.2	**UN proper shipping name:**	PAINT
14.3	**Transport hazard class(es):**	3
	Labels:	3
14.4	**Packing group:**	III
14.5	**Environmental hazards:**	No
14.6	**Special precautions for user**	
	Physico-Chemical properties:	see section 9
14.7	**Maritime transport in bulk according to IMO instruments:**	Not relevant

SECTION 15: REGULATORY INFORMATION

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

- Article 95, REGULATION (EU) No 528/2012: Not relevant
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EU) 2019/1021 on persistent organic pollutants: Not relevant
- Regulation (EU) No 2024/590, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

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SECTION 15: REGULATORY INFORMATION (continued)

Section	Description	Lower-tier requirements	Upper-tier requirements
P5c	FLAMMABLE LIQUIDS	5000	50000

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION **

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3):
- Removed substances
  Barium Sulfate (7727-43-7)

Substances that contribute to the classification (SECTION 2):
- New declared substances
  maleic anhydride (108-31-6)

CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):
- Hazard statements
- Supplementary information
- Substances contained in EUH208:
  - Removed substances
    maleic anhydride (108-31-6)

Texts of the legislative phrases mentioned in section 2:

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H373: May cause damage to organs through prolonged or repeated exposure (Oral).
H226: Flammable liquid and vapour.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

*** Changes with regards to the previous version*

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SECTION 16: OTHER INFORMATION ** (continued)

Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Acute Tox. 4: H332 - Harmful if inhaled.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
Carc. 1B: H350 - May cause cancer.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Repr. 2: H361d - Suspected of damaging the unborn child.
Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.
STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure (Inhalation).
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure.
STOT SE 3: H335 - May cause respiratory irritation.
STOT SE 3: H336 - May cause drowsiness or dizziness.

Classification procedure:

Skin Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method
STOT RE 2: Calculation method
Flam. Liq. 3: Calculation method (2.6.4.3)
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

*** Changes with regards to the previous version*

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -