

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Product Reference code:according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 SDS Ref. (EU): S20600-SDS Issue date: 08/04/2015 Revision date: 12/09/2022 Supersedes version of: 18/02/2022 Version: 10.0

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

1.1. Product identifier	
Product form	: Mixture
Trade name	: SYSTEM 20 HS SOLID BRILLIANT WHITE (2:1)
UFI	: Q7W0-U0S3-M00P-P4YX
Product code	: S20600/1, S20600/5
Product group	: Solid Colour
5 - 1	
1.2. Relevant identified uses of th	e substance or mixture and uses advised against
1.2. Relevant identified uses of th 1.2.1. Relevant identified uses	
1.2. Relevant identified uses of th 1.2.1. Relevant identified uses Main use category	: Industrial use,Professional use
1.2. Relevant identified uses of th 1.2.1. Relevant identified uses Main use category	
1.2. Relevant identified uses of th 1.2.1. Relevant identified uses Main use category Use of the substance/mixture	: Industrial use,Professional use
<u> </u>	 Industrial use,Professional use Coatings and paints, thinners, paint removers

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Man	ufact	urer

U-POL Limited Ltd Denington Road GB– NN8 2QH Wellingborough – Northamptonshire United Kingdom T +44 (0) 1933 230310 technicalsupport@u-pol.com

Importer U-POL Netherlands B.V. B.V. Hoorgoorddreef 15 NL– 1101BA Amsterdam Netherlands T +31 20 240 2216 technicalsupport@u-pol.com - www.u-pol.com

1.4. Emergency telephone number

Emergency number

: CHEMTREC: +44 (0) 870 8200418 (24 hrs)

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	NHS England, Scotland & Wales	-	Call 111 or a Doctor	In Northern Ireland, contact your local GP or pharmacist during normal hours (www.gpoutofhours.h scni.net)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]	
Flammable liquids, Category 3	H226
Skin sensitisation, Category 1	H317
Specific target organ toxicity — Single exposure, Category 3, Narcosis	H336
Specific target organ toxicity — Single exposure, Category 3, Respiratory	H335
tract irritation	

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Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

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

Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. May cause drowsiness or dizziness. May cause respiratory irritation. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.

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2.2. Label elements

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

Hazard pictograms (CLP)

	GHS02 GHS07
Signal word (CLP)	: Warning
Contains	: n-butyl acetate, hydrocarbons, C9, aromatics, reaction mass of α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene), reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate
Hazard statements (CLP)	 H226 - Flammable liquid and vapour. H317 - May cause an allergic skin reaction. H335 - May cause respiratory irritation. H336 - May cause drowsiness or dizziness. H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP)	 P201 - Obtain special instructions before use. P210 - Keep away from heat, hot surfaces, open flames, sparks. — No smoking. P260 - Do not breathe fume, spray, vapours. P264 - Wash hands thoroughly after handling. P280 - Wear face protection, protective clothing, protective gloves. P403+P235 - Store in a well-ventilated place. Keep cool.
EUH-statements	 EUH066 - Repeated exposure may cause skin dryness or cracking. EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
Unknown acute toxicity (CLP) - SDS	: 0.22% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))

2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Component	
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter \leq 10 µm] (13463-67-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
n-butyl acetate (123-86-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
2-methoxy-1-methylethyl acetate (108-65-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Xylene (1330-20-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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Component	
ethylbenzene (100-41-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
4-methylpentan-2-one; isobutyl methyl ketone (108- 10-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, 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 is 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

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter \leq 10 $\mu m]$	CAS-No.: 13463-67-7 EC-No.: 236-675-5 EC Index-No.: 022-006-00-2 REACH-no: 01-2119489379- 17	25 – 50	Carc. 2, H351
n-butyl acetate substance with a Community workplace exposure limit	CAS-No.: 123-86-4 EC-No.: 204-658-1 EC Index-No.: 607-025-00-1 REACH-no: 01-2119485493- 29	3 – 20	Flam. Liq. 3, H226 STOT SE 3, H336
hydrocarbons, C9, aromatics	CAS-No.: 64742-95-6 EC-No.: 918-668-5 REACH-no: 01-2119455851- 35	3 – 20	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
2-methoxy-1-methylethyl acetate substance with a Community workplace exposure limit	CAS-No.: 108-65-6 EC-No.: 203-603-9 EC Index-No.: 607-195-00-7 REACH-no: 01-2119475791- 29	2.5 – 10	Flam. Liq. 3, H226
Xylene substance with a Community workplace exposure limit (Note C)	CAS-No.: 1330-20-7 EC-No.: 215-535-7 EC Index-No.: 601-022-00-9 REACH-no: 01-2119488216- 32	3-5	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
reaction mass of ethylbenzene, m-xylene and p- xylene	EC-No.: 905-562-9 REACH-no: 01-2119555267- 33	1-3	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304
solvent naphtha (petroleum), light aromatic (Note H)(Note 5)(Note P)	CAS-No.: 64742-95-6 EC-No.: 265-199-0 EC Index-No.: 649-356-00-4 REACH-no: 01-2119455851- 35	1 – 2.5	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
phosphoric acid polyester (72243-070628, Germany)	-	0.3 – 2.5	Eye Irrit. 2, H319
ethylbenzene substance with a Community workplace exposure limit	CAS-No.: 100-41-4 EC-No.: 202-849-4 EC Index-No.: 601-023-00-4 REACH-no: 01-2119489370- 35	1 – 2.5	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Asp. Tox. 1, H304
reaction mass of α -3-(3-(2H-benzotriazol-2-yl)-5-tert- butyl-4-hydroxyphenyl)propionyl- ω - hydroxypoly(oxyethylene) and α -3-(3-(2H- benzotriazol-2-yl)-5-tert-butyl-4- hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol-2- yl)-5-tert-butyl-4- hydroxyphenyl)propionyloxypoly(oxyethylene)	CAS-No.: 104810-48-2 EC-No.: 400-830-7 EC Index-No.: 607-176-00-3 REACH-no: 01-0000015075- 76	0.3 – 1	Skin Sens. 1A, H317 Aquatic Chronic 2, H411
4-methylpentan-2-one; isobutyl methyl ketone substance with a Community workplace exposure limit	CAS-No.: 108-10-1 EC-No.: 203-550-1 EC Index-No.: 606-004-00-4 REACH-no: 01-2119473980- 30	0.3 – 1	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H336
reaction mass of bis(1,2,2,6,6-pentamethyl-4- piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl- 4-piperidyl sebacate	CAS-No.: 1065336-91-5 EC-No.: 915-687-0 REACH-no: 01-2119491304- 40	0.1 – 0.25	Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Note 5 : The concentration limits for gaseous mixtures are expressed as volume per volume percentage.

Note C : Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Note H : The classification and labelling shown for this substance applies to the hazardous property(ies) indicated by the hazard statement(s) in combination with the hazard class(es) and category(ies) shown. The requirements of Article 4 for manufacturers, importers or downstream users of this substance apply to all other hazard classes and categories. For hazard classes where the route of exposure or the nature of the effects leads to a differentiation of the classification of the hazard class, the manufacturer, importer or downstream user is required to consider the routes of exposure or the nature of the effects not already considered.

Note P: The harmonised classification as a carcinogen or mutagen applies unless it can be shown that the substance contains less than 0,1 % w/w benzene (Einecs No 200-753-7), in which case a classification in accordance with Title II of this Regulation shall be performed also for those hazard classes. Where the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102-)P260-P262-P301 + P310-P331 shall apply.

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

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SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general First-aid measures after inhalation	 Call a poison center or a doctor if you feel unwell. Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and effe	ects, both acute and delayed
Symptoms/effects	: May cause drowsiness or dizziness.
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: May cause an allergic skin reaction. Repeated exposure may cause skin dryness or cracking.

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

Treat symptomatically.

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
5.2. Special hazards arising from the subs	tance or mixture
Fire hazard Hazardous decomposition products in case of fire	Flammable liquid and vapour.Toxic fumes may be released.
5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release me	easures
6.1. Personal precautions, protective	equipment and emergency procedures
6.1.1. For non-emergency personnel	
Protective equipment	: Safety glasses. Protective clothing. Gloves.
Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing vapours, spray, fume. Avoid contact with skin and eyes.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for contain	ment and cleaning up
For containment Methods for cleaning up	 Contain released product, collect/pump into suitable containers. Collect spillage. Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

 public waters.

 Other information
 : Dispose of materials or solid residues at an authorized site.

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6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and store	age	
7.1. Precautions for safe handling		
Precautions for safe handling Hygiene measures	 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing vapours, spray, fume. Avoid contact with skin and eyes. 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		
Technical measures Storage conditions Storage temperature Storage area Special rules on packaging	 Ground/bond container and receiving equipment. Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. < 25 °C Store in a well-ventilated place. Keep only in original container. 	
7.3. Specific end use(s)		

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (13463-67-7)		
Ireland - Occupational Exposure Limits		
Local name	Titanium dioxide	
OEL TWA [1]	10 mg/m³ total inhalable dust 4 mg/m³ respirable dust	
Regulatory reference	Chemical Agents Code of Practice 2020	
United Kingdom - Occupational Exposure Limits		
Local name	Titanium dioxide	
WEL TWA (OEL TWA) [1]	10 mg/m ³ 4 mg/m ³	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
2-methoxy-1-methylethyl acetate (108-65-6)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	2-Methoxy-1-methylethylacetate	
IOEL TWA	275 mg/m³	
IOEL TWA [ppm]	50 ppm	
IOEL STEL	550 mg/m³	
IOEL STEL [ppm]	100 ppm	

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2-methoxy-1-methylethyl acetate (108-65-6)		
Remark	Skin	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	
Ireland - Occupational Exposure Limits		
Local name	2-Methoxy-1-methylethylacetate	
OEL TWA [1]	275 mg/m³	
OEL TWA [2]	50 ppm	
OEL STEL	550 mg/m³	
OEL STEL [ppm]	100 ppm	
Remark	Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values)	
Regulatory reference	Chemical Agents Code of Practice 2020	
United Kingdom - Occupational Exposure Limits		
Local name	1-Methoxypropyl acetate	
WEL TWA (OEL TWA) [1]	274 mg/m ³	
WEL TWA (OEL TWA) [2]	50 ppm	
WEL STEL (OEL STEL)	548 mg/m ³	
WEL STEL (OEL STEL) [ppm]	100 ppm	
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
n-butyl acetate (123-86-4)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	n-Butyl acetate	
IOEL TWA	241 mg/m ³	
IOEL TWA [ppm]	50 ppm	
IOEL STEL	723 mg/m ³	
IOEL STEL [ppm]	150 ppm	
Regulatory reference	COMMISSION DIRECTIVE (EU) 2019/1831	
Ireland - Occupational Exposure Limits		
Local name	Butyl acetate	
OEL TWA [1]	710 mg/m ³	
OEL TWA [2]	150 ppm	
OEL STEL	950 mg/m³	
OEL STEL [ppm]	200 ppm	
Regulatory reference	Chemical Agents Code of Practice 2020	
United Kingdom - Occupational Exposure Limits		
Local name	Butyl acetate	
WEL TWA (OEL TWA) [1]	724 mg/m ³	
WEL TWA (OEL TWA) [2]	150 ppm	

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n-butyl acetate (123-86-4)		
WEL STEL (OEL STEL)	966 mg/m³	
WEL STEL (OEL STEL) [ppm]	200 ppm	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
4-methylpentan-2-one; isobutyl methyl ketone	e (108-10-1)	
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	4-Methylpentan-2-one	
IOEL TWA	83 mg/m³	
IOEL TWA [ppm]	20 ppm	
IOEL STEL	208 mg/m³	
IOEL STEL [ppm]	50 ppm	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC COMMISSION DIRECTIVE 2000/39/EC	
Ireland - Occupational Exposure Limits		
Local name	Methyl isobutyl ketone (MIBK) [Hexone, Isobutyl methyl keton, 4-Methylpentan-2-one)	
OEL TWA [1]	83 mg/m³	
OEL TWA [2]	20 ppm	
OEL STEL	208 mg/m ³	
OEL STEL [ppm]	50 ppm	
Remark	Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values)	
Regulatory reference	Chemical Agents Code of Practice 2020	
Ireland - Biological limit values		
Local name	Methyl isobutyl ketone (MIBK)/ 4-methylpentan-2-one	
BLV	1 mg/l Parameter: MIBK - Medium: urine - Sampling time: End of shift	
Regulatory reference	Biological Monitoring Guidelines (HSA, 2011)	
United Kingdom - Occupational Exposure Limits		
Local name	4-Methylpentan-2-one	
WEL TWA (OEL TWA) [1]	208 mg/m³	
WEL TWA (OEL TWA) [2]	50 ppm	
WEL STEL (OEL STEL)	416 mg/m ³	
WEL STEL (OEL STEL) [ppm]	100 ppm	
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
United Kingdom - Biological limit values		
Local name	4-methylpentan-2-one	
BMGV	20 µmol/l Parameter: 4-methylpentan-2-one - Medium: urine - Sampling time: Post shift	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	

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Xylene (1330-20-7)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	Xylene, mixed isomers, pure	
IOEL TWA	221 mg/m ³	
IOEL TWA [ppm]	50 ppm	
IOEL STEL	442 mg/m ³	
IOEL STEL [ppm]	100 ppm	
Remark	Skin	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	
Ireland - Occupational Exposure Limits		
Local name	Xylene, mixed isomers	
OEL TWA [1]	221 mg/m ³	
OEL TWA [2]	50 ppm	
OEL STEL	442 mg/m ³	
OEL STEL [ppm]	100 ppm	
Remark	Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values)	
Regulatory reference	Chemical Agents Code of Practice 2020	
Ireland - Biological limit values		
Local name	Xylene	
BLV	1.5 g/g creatinine Parameter: methylhippuric acids - Medium: urine - Sampling time: End of Shift	
Regulatory reference	Biological Monitoring Guidelines (HSA, 2011)	
United Kingdom - Occupational Exposure Limits		
Local name	Xylene	
WEL TWA (OEL TWA) [1]	220 mg/m ³	
WEL TWA (OEL TWA) [2]	50 ppm	
WEL STEL (OEL STEL)	441 mg/m ³	
WEL STEL (OEL STEL) [ppm]	100 ppm	
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
United Kingdom - Biological limit values		
Local name	Xylene, o-, m-, p- or mixed isomers	
BMGV	650 mmol/mol Creatinine Parameter: methyl hippuric acid - Medium: urine - Sampling time: Post shift	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
ethylbenzene (100-41-4)		
EU - Indicative Occupational Exposure Limit (IOE	L)	
Local name	Ethylbenzene	

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ethylbenzene (100-41-4)		
IOEL TWA	442 mg/m ³	
IOEL TWA [ppm]	100 ppm	
IOEL STEL	884 mg/m³	
IOEL STEL [ppm]	200 ppm	
Remark	Skin	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	
Ireland - Occupational Exposure Limits		
Local name	Ethylbenzene	
OEL TWA [1]	442 mg/m ³	
OEL TWA [2]	100 ppm	
OEL STEL	884 mg/m³	
OEL STEL [ppm]	200 ppm	
Remark	Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values)	
Regulatory reference	Chemical Agents Code of Practice 2020	
Ireland - Biological limit values		
Local name	Ethyl benzene	
BLV	0.7 g/g creatinine Parameter: mandelic acid and phenylglyoxylic acid - Medium: urine - Sampling time: End of shift at end of workweek - Notations: Ns (Non-specific), Sq (Semi- quantitative) Parameter: ethylbenzene - Medium: end-exhaled air - Sampling time: Not critical - Notations: Sq (Semi-quantitative)	
Regulatory reference	Biological Monitoring Guidelines (HSA, 2011)	
United Kingdom - Occupational Exposure Limits		
Local name	Ethylbenzene	
WEL TWA (OEL TWA) [1]	441 mg/m³	
WEL TWA (OEL TWA) [2]	100 ppm	
WEL STEL (OEL STEL)	552 mg/m³	
WEL STEL (OEL STEL) [ppm]	125 ppm	
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

2-methoxy-1-methylethyl acetate (108-65-6)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	550 mg/m³

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2-methoxy-1-methylethyl acetate (108-65-6)		
Long-term - systemic effects, dermal	796 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	275 mg/m³	
DNEL/DMEL (General population)		
Long-term - systemic effects,oral	36 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	33 mg/m³	
Long-term - systemic effects, dermal	320 mg/kg bodyweight/day	
Long-term - local effects, inhalation	33 mg/m³	
PNEC (Water)		
PNEC aqua (freshwater)	0.635 mg/l	
PNEC aqua (marine water)	0.0635 mg/l	
PNEC aqua (intermittent, freshwater)	6.35 mg/l	
PNEC (Sediment)	·	
PNEC sediment (freshwater)	3.29 mg/kg dwt	
PNEC sediment (marine water)	0.329 mg/kg dwt	
PNEC (Soil)	·	
PNEC soil	0.29 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	100 mg/l	
phosphoric acid … %, orthophosphoric acid … % (7664-38-2)		
DNEL/DMEL (Workers)		
Long-term - systemic effects, inhalation	2.92 mg/m ³	
DNEL/DMEL (General population)		
Long-term - local effects, inhalation	0.73 mg/m³	
n-butyl acetate (123-86-4)		
DNEL/DMEL (Workers)		
Acute - systemic effects, dermal	11 mg/kg bw/day	
Acute - systemic effects, inhalation	600 mg/m³	
Acute - local effects, inhalation	600 mg/m³	
Long-term - systemic effects, dermal	11 mg/kg bw/day	
Long-term - systemic effects, inhalation	300 mg/m ³	
Long-term - local effects, inhalation	300 mg/m ³	
DNEL/DMEL (General population)		
Acute - systemic effects, dermal	6 mg/kg bw/day	
Acute - systemic effects, inhalation	300 mg/m ³	
Acute - systemic effects, oral	2 mg/kg bw/day	
Acute - local effects, inhalation	300 mg/m ³	
Long-term - systemic effects,oral	2 mg/kg bw/day	
Long-term - systemic effects, inhalation	35.7 mg/m³	

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n-butyl acetate (123-86-4)		
Long-term - systemic effects, dermal	6 mg/kg bw/day	
Long-term - local effects, inhalation	35.7 mg/m ³	
PNEC (Water)		
PNEC aqua (freshwater)	0.18 mg/l	
PNEC aqua (marine water)	0.018 mg/l	
PNEC aqua (intermittent, freshwater)	0.36 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	0.981 mg/kg dwt	
PNEC sediment (marine water)	0.0981 mg/kg dwt	
PNEC (Soil)		
PNEC soil	0.0903 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	35.6 mg/l	
4-methylpentan-2-one; isobutyl methyl ketone	e (108-10-1)	
DNEL/DMEL (Workers)		
Acute - systemic effects, inhalation	208 mg/m ³	
Acute - local effects, inhalation	208 mg/m ³	
Long-term - systemic effects, dermal	11.8 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	83 mg/m³	
Long-term - local effects, inhalation	83 mg/m³	
DNEL/DMEL (General population)		
Acute - systemic effects, inhalation	155.2 mg/m³	
Acute - local effects, inhalation	155.2 mg/m³	
Long-term - systemic effects,oral	4.2 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	14.7 mg/m³	
Long-term - systemic effects, dermal	4.2 mg/kg bodyweight/day	
Long-term - local effects, inhalation	14.7 mg/m ³	
PNEC (Water)		
PNEC aqua (freshwater)	0.6 mg/l	
PNEC aqua (marine water)	0.06 mg/l	
PNEC aqua (intermittent, freshwater)	1.5 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	8.27 mg/kg dwt	
PNEC sediment (marine water)	0.83 mg/kg dwt	
PNEC (Soil)		
PNEC soil	1.3 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	27.5 mg/l	

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reaction mass of α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α- 3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4- hydroxyphenyl)propionyloxypoly(oxyethylene) (104810-48-2)		
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	0.05 mg/kg bw/day	
Long-term - systemic effects, inhalation	0.35 mg/m ³	
DNEL/DMEL (General population)		
Long-term - systemic effects,oral	0.025 mg/kg bw/day	
Long-term - systemic effects, inhalation	0.085 mg/m ³	
Long-term - systemic effects, dermal	0.25 mg/kg bw/day	
PNEC (Water)		
PNEC aqua (freshwater)	0.0023 mg/l	
PNEC aqua (marine water)	0.00023 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	3.37 mg/kg dwt	
PNEC sediment (marine water)	0.337 mg/kg dwt	
PNEC (Soil)		
PNEC soil	2 mg/kg dwt	
PNEC (STP)		
PNEC (STP) PNEC sewage treatment plant	10 mg/l	
PNEC sewage treatment plant	10 mg/l nyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	
PNEC sewage treatment plant reaction mass of bis(1,2,2,6,6-pentameth		
PNEC sewage treatment plant reaction mass of bis(1,2,2,6,6-pentameth (1065336-91-5)		
PNEC sewage treatment plant reaction mass of bis(1,2,2,6,6-pentameth (1065336-91-5) DNEL/DMEL (Workers)	nyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	
PNEC sewage treatment plant reaction mass of bis(1,2,2,6,6-pentameth (1065336-91-5) DNEL/DMEL (Workers) Long-term - systemic effects, inhalation	nyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	
PNEC sewage treatment plant reaction mass of bis(1,2,2,6,6-pentameth (1065336-91-5) DNEL/DMEL (Workers) Long-term - systemic effects, inhalation Xylene (1330-20-7)	nyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	
PNEC sewage treatment plant reaction mass of bis(1,2,2,6,6-pentameth (1065336-91-5) DNEL/DMEL (Workers) Long-term - systemic effects, inhalation Xylene (1330-20-7) DNEL/DMEL (Workers)	0.68 mg/m ³ (DGUV DNEL List 2019)	
PNEC sewage treatment plant reaction mass of bis(1,2,2,6,6-pentameth (1065336-91-5) DNEL/DMEL (Workers) Long-term - systemic effects, inhalation Xylene (1330-20-7) DNEL/DMEL (Workers) Acute - systemic effects, inhalation	nyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate 0.68 mg/m³ (DGUV DNEL List 2019) 289 mg/m³	
PNEC sewage treatment plant reaction mass of bis(1,2,2,6,6-pentameth (1065336-91-5) DNEL/DMEL (Workers) Long-term - systemic effects, inhalation Xylene (1330-20-7) DNEL/DMEL (Workers) Acute - systemic effects, inhalation Acute - local effects, inhalation	nyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate 0.68 mg/m³ (DGUV DNEL List 2019) 289 mg/m³ 289 mg/m³	
PNEC sewage treatment plant reaction mass of bis(1,2,2,6,6-pentameth (1065336-91-5) DNEL/DMEL (Workers) Long-term - systemic effects, inhalation Xylene (1330-20-7) DNEL/DMEL (Workers) Acute - systemic effects, inhalation Acute - local effects, inhalation Long-term - systemic effects, dermal	nyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate 0.68 mg/m³ (DGUV DNEL List 2019) 289 mg/m³ 289 mg/m³ 180 mg/kg bodyweight/day	
PNEC sewage treatment plant reaction mass of bis(1,2,2,6,6-pentameth (1065336-91-5) DNEL/DMEL (Workers) Long-term - systemic effects, inhalation Xylene (1330-20-7) DNEL/DMEL (Workers) Acute - systemic effects, inhalation Acute - systemic effects, inhalation Long-term - systemic effects, inhalation Long-term - systemic effects, dermal Long-term - systemic effects, inhalation	nyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate 0.68 mg/m³ (DGUV DNEL List 2019) 289 mg/m³ 289 mg/m³ 180 mg/kg bodyweight/day 77 mg/m³	
PNEC sewage treatment plant reaction mass of bis(1,2,2,6,6-pentameth (1065336-91-5) DNEL/DMEL (Workers) Long-term - systemic effects, inhalation Xylene (1330-20-7) DNEL/DMEL (Workers) Acute - systemic effects, inhalation Acute - local effects, inhalation Long-term - systemic effects, dermal Long-term - systemic effects, inhalation Long-term - systemic effects, inhalation Long-term - local effects, inhalation	nyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate 0.68 mg/m³ (DGUV DNEL List 2019) 289 mg/m³ 289 mg/m³ 180 mg/kg bodyweight/day 77 mg/m³	
PNEC sewage treatment plant reaction mass of bis(1,2,2,6,6-pentameth (1065336-91-5) DNEL/DMEL (Workers) Long-term - systemic effects, inhalation Xylene (1330-20-7) DNEL/DMEL (Workers) Acute - systemic effects, inhalation Acute - local effects, inhalation Long-term - systemic effects, dermal Long-term - systemic effects, inhalation Dome_term - local effects, inhalation DNEL/DMEL (General population)	hyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate 0.68 mg/m³ (DGUV DNEL List 2019) 289 mg/m³ 289 mg/m³ 180 mg/kg bodyweight/day 77 mg/m³ 77 mg/m³	
PNEC sewage treatment plant reaction mass of bis(1,2,2,6,6-pentameth (1065336-91-5) DNEL/DMEL (Workers) Long-term - systemic effects, inhalation Xylene (1330-20-7) DNEL/DMEL (Workers) Acute - systemic effects, inhalation Acute - systemic effects, inhalation Long-term - systemic effects, inhalation Long-term - systemic effects, dermal Long-term - systemic effects, inhalation Long-term - local effects, inhalation DNEL/DMEL (General population) Acute - systemic effects, inhalation	hyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate 0.68 mg/m³ (DGUV DNEL List 2019) 289 mg/m³ 289 mg/m³ 180 mg/kg bodyweight/day 77 mg/m³ 77 mg/m³ 174 mg/m³	
PNEC sewage treatment plant reaction mass of bis(1,2,2,6,6-pentameth (1065336-91-5) DNEL/DMEL (Workers) Long-term - systemic effects, inhalation Xylene (1330-20-7) DNEL/DMEL (Workers) Acute - systemic effects, inhalation Acute - local effects, inhalation Long-term - systemic effects, dermal Long-term - systemic effects, inhalation Long-term - systemic effects, inhalation Dometerm - systemic effects, inhalation Acute - local effects, inhalation Acute - systemic effects, inhalation Acute - local effects, inhalation Acute - local effects, inhalation	hyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate 0.68 mg/m³ (DGUV DNEL List 2019) 289 mg/m³ 289 mg/m³ 180 mg/kg bodyweight/day 77 mg/m³ 77 mg/m³ 174 mg/m³ 174 mg/m³	
PNEC sewage treatment plant reaction mass of bis(1,2,2,6,6-pentameth (1065336-91-5) DNEL/DMEL (Workers) Long-term - systemic effects, inhalation Xylene (1330-20-7) DNEL/DMEL (Workers) Acute - systemic effects, inhalation Acute - systemic effects, inhalation Long-term - systemic effects, inhalation Long-term - systemic effects, dermal Long-term - systemic effects, inhalation Long-term - local effects, inhalation DNEL/DMEL (General population) Acute - systemic effects, inhalation Long-term - systemic effects, inhalation Long-term - local effects, inhalation Long-term - systemic effects, inhalation Acute - local effects, inhalation Acute - local effects, inhalation Long-term - systemic effects, oral	hyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate 0.68 mg/m³ (DGUV DNEL List 2019) 289 mg/m³ 180 mg/kg bodyweight/day 77 mg/m³ 174 mg/m³ 1.6 mg/kg bodyweight/day	
PNEC sewage treatment plant reaction mass of bis(1,2,2,6,6-pentameth (1065336-91-5) DNEL/DMEL (Workers) Long-term - systemic effects, inhalation Xylene (1330-20-7) DNEL/DMEL (Workers) Acute - systemic effects, inhalation Acute - systemic effects, inhalation Long-term - systemic effects, dermal Long-term - systemic effects, inhalation Long-term - systemic effects, inhalation DNEL/DMEL (General population) Acute - systemic effects, inhalation Long-term - systemic effects, oral Long-term - systemic effects, inhalation	hyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate 0.68 mg/m³ (DGUV DNEL List 2019) 289 mg/m³ 289 mg/m³ 180 mg/kg bodyweight/day 77 mg/m³ 77 mg/m³ 174 mg/m³ 174 mg/m³ 1.6 mg/kg bodyweight/day 14.8 mg/m³	
PNEC sewage treatment plant reaction mass of bis(1,2,2,6,6-pentameth (1065336-91-5) DNEL/DMEL (Workers) Long-term - systemic effects, inhalation Xylene (1330-20-7) DNEL/DMEL (Workers) Acute - systemic effects, inhalation Acute - systemic effects, inhalation Long-term - systemic effects, inhalation Long-term - systemic effects, dermal Long-term - systemic effects, inhalation DNEL/DMEL (General population) Acute - local effects, inhalation Long-term - systemic effects, oral Long-term - systemic effects, inhalation Long-term - systemic effects, oral Long-term - systemic effects, inhalation	hyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate 0.68 mg/m³ (DGUV DNEL List 2019) 289 mg/m³ 180 mg/kg bodyweight/day 77 mg/m³ 77 mg/m³ 174 mg/m³ 1.6 mg/kg bodyweight/day 1.6 mg/kg bodyweight/day 108 mg/kg bodyweight/day	

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Xylene (1330-20-7)		
PNEC aqua (marine water)	0.327 mg/l	
PNEC aqua (intermittent, freshwater)	0.327 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	12.46 mg/kg dwt	
PNEC sediment (marine water)	12.46 mg/kg dwt	
PNEC (Soil)		
PNEC soil	2.31 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	6.58 mg/l	
hydrocarbons, C9, aromatics (64742-95-6)		
DNEL/DMEL (Workers)		
Long-term - local effects, dermal	25 mg/kg bw/day	
Long-term - systemic effects, inhalation	150 mg/m³	
DNEL/DMEL (General population)		
Long-term - systemic effects,oral	11 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	32 mg/m³	
Long-term - systemic effects, dermal	11 mg/kg bodyweight/day	
ethylbenzene (100-41-4)		
DNEL/DMEL (Workers)		
Acute - local effects, inhalation	293 mg/m ³	
Long-term - systemic effects, dermal	180 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	77 mg/m³	
DNEL/DMEL (General population)		
Long-term - systemic effects,oral	1.6 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	15 mg/m³	
PNEC (Water)		
PNEC aqua (freshwater)	0.1 mg/l	
PNEC aqua (marine water)	0.01 mg/l	
PNEC aqua (intermittent, freshwater)	0.1 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	13.7 mg/kg dwt	
PNEC sediment (marine water)	1.37 mg/kg dwt	
PNEC (Soil)		
PNEC soil	2.68 mg/kg dwt	
PNEC (Oral)		
PNEC oral (secondary poisoning)	0.02 g/kg food	
PNEC (STP)		
PNEC sewage treatment plant	9.6 mg/l	

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:

Gloves. Gas mask. Protective clothing. Safety glasses.



8.2.2.1. Eye and face protection

Eye protection: Safety glasses

8.2.2.2. Skin protection

Skin and body protection: Wear suitable protective clothing

Hand protection: Protective gloves

Other skin protection Materials for protective clothing: Impermeable clothing

8.2.2.3. Respiratory protection

Respiratory protection: [In case of inadequate ventilation] wear respiratory protection. Air-fed respiratory protective equipment should be worn when this product is sprayed

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: White.
Appearance	: Viscous. Liquid.
Odour	: aromatic.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not applicable
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: 30 °C

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Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: 992.647 mm²/s
Viscosity, dynamic	: 1350 (1250 – 1450) cP
Solubility	: insoluble in water. soluble in most organic solvents.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: 1.36 (1.35 – 1.37) g/cm ³
Relative density	: Not available
Relative vapour density at 20 °C	: Not available
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable
Particle dustiness	: Not applicable

: 403 g/l

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

VOC content

 SECTION 10: Stability and reactivity

 10.1. Reactivity

 Flammable liquid and vapour.

 10.2. Chemical stability

 Stable under normal conditions.

 10.3. Possibility of hazardous reactions

 No dangerous reactions known under normal conditions of use.

 10.4. Conditions to avoid

 Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

 10.5. Incompatible materials

 No additional information available

 10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

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

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

- : Not classified
 - : Not classified

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titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (13463-67-7)			
LD50 oral rat	 > 5000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity) 		
LC50 Inhalation - Rat	> 6.82 mg/l (Other, 4 h, Rat, Male, Experimental value, Inhalation (dust), 14 day(s))		
barium sulfate (7727-43-7)			
LD50 oral rat	> 5000 mg/kg (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s))		
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, Rat, Read-across, Dermal)		
2-methoxy-1-methylethyl acetate (108-65-6)			
LD50 oral rat	6190 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))		
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)		
LD50 dermal rabbit	> 5000 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Experimental value, Dermal, 14 day(s))		
LC50 Inhalation - Rat [ppm]	1728 ppm/4h (4 h, OECD Guideline 403 (Acute Inhalation Toxicity), rat, male/female, Inhalation, vapours)		
phosphoric acid %, orthophosphoric acid	% (7664-38-2)		
LD50 oral rat	301 mg/kg (OECD 423)		
LD50 dermal rabbit	2750 mg/kg		
lithium chloride (7447-41-8)	lithium chloride (7447-41-8)		
LD50 oral rat	526 mg/kg bodyweight Animal: rat, Animal sex: male		
LD50 oral rat LD50 dermal rat	526 mg/kg bodyweight Animal: rat, Animal sex: male > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: EPA OPP 81-2 (Acute Dermal Toxicity)		
	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: EPA OPP 81-2		
LD50 dermal rat	 > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: EPA OPP 81-2 (Acute Dermal Toxicity) > 5.57 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: EPA OPPTS 870.1300 		
LD50 dermal rat LC50 Inhalation - Rat	 > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: EPA OPP 81-2 (Acute Dermal Toxicity) > 5.57 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: EPA OPPTS 870.1300 		
LD50 dermal rat LC50 Inhalation - Rat n-butyl acetate (123-86-4)	 > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: EPA OPP 81-2 (Acute Dermal Toxicity) > 5.57 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity) 10760 – 12789 mg/kg bodyweight (Equivalent or similar to OECD 423, Rat, Male / female, 		
LD50 dermal rat LC50 Inhalation - Rat n-butyl acetate (123-86-4) LD50 oral rat	 > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: EPA OPP 81-2 (Acute Dermal Toxicity) > 5.57 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity) 10760 – 12789 mg/kg bodyweight (Equivalent or similar to OECD 423, Rat, Male / female, Experimental value, Oral, 14 day(s)) > 14112 mg/kg bodyweight (Equivalent or similar to OECD 402, Rabbit, Male / female, 		
LD50 dermal rat LC50 Inhalation - Rat n-butyl acetate (123-86-4) LD50 oral rat LD50 dermal rabbit	 > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: EPA OPP 81-2 (Acute Dermal Toxicity) > 5.57 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity) 10760 – 12789 mg/kg bodyweight (Equivalent or similar to OECD 423, Rat, Male / female, Experimental value, Oral, 14 day(s)) > 14112 mg/kg bodyweight (Equivalent or similar to OECD 402, Rabbit, Male / female, Experimental value, Dermal, 14 day(s)) 		
LD50 dermal rat LC50 Inhalation - Rat n-butyl acetate (123-86-4) LD50 oral rat LD50 dermal rabbit LC50 Inhalation - Rat	 > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: EPA OPP 81-2 (Acute Dermal Toxicity) > 5.57 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity) 10760 – 12789 mg/kg bodyweight (Equivalent or similar to OECD 423, Rat, Male / female, Experimental value, Oral, 14 day(s)) > 14112 mg/kg bodyweight (Equivalent or similar to OECD 402, Rabbit, Male / female, Experimental value, Dermal, 14 day(s)) 23.4 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat) 		
LD50 dermal rat LC50 Inhalation - Rat n-butyl acetate (123-86-4) LD50 oral rat LD50 dermal rabbit LC50 Inhalation - Rat LC50 Inhalation - Rat [ppm]	 > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: EPA OPP 81-2 (Acute Dermal Toxicity) > 5.57 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity) 10760 – 12789 mg/kg bodyweight (Equivalent or similar to OECD 423, Rat, Male / female, Experimental value, Oral, 14 day(s)) > 14112 mg/kg bodyweight (Equivalent or similar to OECD 402, Rabbit, Male / female, Experimental value, Dermal, 14 day(s)) 23.4 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat) 390 ppm/4h > 21 mg/l/4h (4 h, OECD Test Guideline 403, rat, vapours) 		
LD50 dermal rat LC50 Inhalation - Rat n-butyl acetate (123-86-4) LD50 oral rat LD50 dermal rabbit LC50 Inhalation - Rat LC50 Inhalation - Rat [ppm] LC50 Inhalation - Rat (Vapours)	 > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: EPA OPP 81-2 (Acute Dermal Toxicity) > 5.57 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity) 10760 – 12789 mg/kg bodyweight (Equivalent or similar to OECD 423, Rat, Male / female, Experimental value, Oral, 14 day(s)) > 14112 mg/kg bodyweight (Equivalent or similar to OECD 402, Rabbit, Male / female, Experimental value, Dermal, 14 day(s)) 23.4 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat) 390 ppm/4h > 21 mg/l/4h (4 h, OECD Test Guideline 403, rat, vapours) 		
LD50 dermal rat LC50 Inhalation - Rat n-butyl acetate (123-86-4) LD50 oral rat LD50 dermal rabbit LC50 Inhalation - Rat LC50 Inhalation - Rat [ppm] LC50 Inhalation - Rat (Vapours) solvent naphtha (petroleum), light aromatic (6	 > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: EPA OPP 81-2 (Acute Dermal Toxicity) > 5.57 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity) 10760 – 12789 mg/kg bodyweight (Equivalent or similar to OECD 423, Rat, Male / female, Experimental value, Oral, 14 day(s)) > 14112 mg/kg bodyweight (Equivalent or similar to OECD 402, Rabbit, Male / female, Experimental value, Dermal, 14 day(s)) 23.4 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat) 390 ppm/4h > 21 mg/l/4h (4 h, OECD Test Guideline 403, rat, vapours) 54742-95-6) > 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral 		

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4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)		
LD50 oral rat	2080 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1,91 - 2,27	
LD50 dermal rat	≥ 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))	
LC50 Inhalation - Rat (Vapours)	10 – 20 mg/l/4h	
reaction mass of α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α- 3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4- hydroxyphenyl)propionyloxypoly(oxyethylene) (104810-48-2)		
LD50 oral rat	> 5000 mg/kg (OECD Guideline No. 401 (equivalent to Annex V), limit test, rat, male/female)	
LD50 dermal rat	> 2000 mg/kg (OECD Guideline No. 402 (equivalent to Annex V), limit test, rat, male/female)	
LC50 Inhalation - Rat	5800 mg/l (OECD Guideline 403, 14d, rat)	
reaction mass of bis(1,2,2,6,6-pentamethyl-4- (1065336-91-5)	piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	
LD50 oral rat	3230 mg/kg (OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), rat, male/female)	
LD50 dermal rat	> 3170 mg/kg (OECD Guideline 402 (Acute Dermal Toxicity), read-across,	
dibutyltin dilaurate (77-58-7)		
LD50 oral rat	2071 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1207 - 5106	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))	
reaction mass of ethylbenzene, m-xylene and	p-xylene	
LD50 oral rat	3523 mg/kg (EU Method B.1 (Acute Toxicity (Oral), rat, male)	
LD50 dermal rabbit	12126 mg/kg bodyweight Animal: rabbit, Animal sex: male	
LC50 Inhalation - Rat [ppm]	6350 ppm/4h (4 h, EU Method B.2 (Acute Toxicity (Inhalation)), rat, male, Inhalation, vapours)	
Xylene (1330-20-7)		
LD50 oral rat	3523 mg/kg bodyweight (Equivalent or similar to EU Method B.1: Acute Toxicity (Oral), Rat, Male, Experimental value, Oral, 14 day(s))	
LD50 dermal rat	12126 mg/kg (Non-GLP, read-across from supporting substance, single dermal dose under occlusion followed by observation for 14 days)	
LD50 dermal rabbit	12126 mg/kg bodyweight Animal: rabbit, Animal sex: male	
LC50 Inhalation - Rat [ppm]	6700 ppm/4h (EU Method B.2 (Acute Toxicity (Inhalation)), 4h, rat, male)	
cellulose acetate butyrate (9004-36-8)	cellulose acetate butyrate (9004-36-8)	
LD50 oral rat	> 3200 mg/kg	
LD50 dermal	> 1000 mg/kg (Guinea pig)	
hydrocarbons, C9, aromatics (64742-95-6)		
LD50 oral rat	8400 ml/kg	
LD50 dermal rabbit	3160 mg/kg bodyweight (OECD Guideline 402 (Acute Dermal Toxicity), rat, male/female	
LC50 Inhalation - Rat [ppm]	3400 ppm/4h	

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hydrocarbons, C9, aromatics (64742-95-6)			
LC50 Inhalation - Rat (Vapours)	> 5 mg/l/4h		
ethylbenzene (100-41-4)	ethylbenzene (100-41-4)		
LD50 oral rat	3500 mg/kg (Rat, Male / female, Experimental value, Oral, 14 day(s))		
LD50 dermal rabbit	15432 mg/kg bodyweight (24 h, Rabbit, Male, Experimental value, Dermal)		
LC50 Inhalation - Rat	17.8 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours))		
octamethylcyclotetrasiloxane (556-67-2)			
LD50 oral rat	> 4800 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity)		
LD50 dermal rat	> 2400 mg/kg bodyweight (Equivalent or similar to OECD 402, Rat, Male / female, Experimental value, Dermal)		
LC50 Inhalation - Rat	36 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)		
decamethylcyclopentasiloxane (541-02-6)			
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)		
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)		
LC50 Inhalation - Rat	8.67 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EPA OTS 798.1150 (Acute inhalation toxicity), 95% CL: 7,3 - 10,32		
Dodecamethylcyclohexasiloxane (540-97-6)			
LD50 oral rat	 > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method) 		
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)		
Unknown acute toxicity (CLP) - SDS :	0.22% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))		
Skin corrosion/irritation :	Not classified		
Serious eye damage/irritation : Respiratory or skin sensitisation :	Not classified May cause an allergic skin reaction.		
	Not classified		
	Not classified.		
titanium dioxide; [in powder form containing	1 % or more of particles with aerodynamic diameter ≤ 10 μm] (13463-67-7)		
IARC group	2B - Possibly carcinogenic to humans		
4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)			
IARC group	2B - Possibly carcinogenic to humans		
reaction mass of ethylbenzene, m-xylene and p-xylene			
IARC group	2B - Possibly carcinogenic to humans		
Xylene (1330-20-7)			
IARC group	3 - Not classifiable		
ethylbenzene (100-41-4)			
IARC group	2B - Possibly carcinogenic to humans		

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barium sulfate (7727-43-7)		
NOAEL (chronic, oral, animal/male, 2 years)	60 mg/kg bodyweight Animal: rat, Animal sex: male, Remarks on results: other:Effect type: carcinogenicity (migrated information)	
NOAEL (chronic, oral, animal/female, 2 years)	75 mg/kg bodyweight Animal: rat, Animal sex: female, Remarks on results: other:Effect type: carcinogenicity (migrated information)	
Reproductive toxicity :	Not classified	
phosphoric acid … %, orthophosphoric acid … % (7664-38-2)		
NOAEL (animal/male, F0/P)	> 500	
dibutyltin dilaurate (77-58-7)		
NOAEL (animal/male, F0/P)	1.9 – 2.3 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test)	
NOAEL (animal/female, F0/P)	 1.7 – 2.4 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test) 	
hydrocarbons, C9, aromatics (64742-95-6)		
NOAEL (animal/male, F0/P)	7500 mg/kg	
NOAEL (animal/female, F0/P)	7500 mg/kg	
STOT-single exposure :	May cause drowsiness or dizziness. May cause respiratory irritation.	
2-methoxypropyl acetate (70657-70-4)		
STOT-single exposure	May cause respiratory irritation.	
n-butyl acetate (123-86-4)		
STOT-single exposure	May cause drowsiness or dizziness.	
solvent naphtha (petroleum), light aromatic (64742-95-6)		
STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.	
4-methylpentan-2-one; isobutyl methyl keton	e (108-10-1)	
STOT-single exposure	May cause drowsiness or dizziness.	
dibutyltin dilaurate (77-58-7)		
STOT-single exposure	Causes damage to organs (thymus).	
reaction mass of ethylbenzene, m-xylene and	p-xylene	
STOT-single exposure	May cause respiratory irritation.	
Xylene (1330-20-7)	Xylene (1330-20-7)	
STOT-single exposure	May cause respiratory irritation.	
hydrocarbons, C9, aromatics (64742-95-6)		
STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.	
STOT-repeated exposure :	Not classified	
2-methoxy-1-methylethyl acetate (108-65-6)		
NOAEL (oral, rat, 90 days)	≥ 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)	
NOAEL (dermal, rat/rabbit, 90 days)	> 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)	

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phosphoric acid %, orthophosphoric acid	% (7664-38-2)	
NOAEL (oral, rat, 90 days)	250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)	
4-methylpentan-2-one; isobutyl methyl ketor	ne (108-10-1)	
LOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity in Rodents)	
NOAEL (oral, rat, 90 days)	250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity in Rodents)	
NOAEC (inhalation, rat, vapour, 90 days)	4.106 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)	
dibutyltin dilaurate (77-58-7)		
STOT-repeated exposure	Causes damage to organs (thymus) through prolonged or repeated exposure.	
reaction mass of ethylbenzene, m-xylene an	d p-xylene	
LOAEL (oral, rat, 90 days)	150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity)	
NOAEL (oral, rat, 90 days)	150 mg/kg bodyweight/day (OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), female)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.	
Xylene (1330-20-7)		
LOAEL (oral, rat, 90 days)	150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.	
hydrocarbons, C9, aromatics (64742-95-6)		
NOAEL (oral, rat, 90 days)	600 mg/kg bodyweight/day	
NOAEC (inhalation, rat, vapour, 90 days)	900 – 1800 mg/m³	
ethylbenzene (100-41-4)		
NOAEL (oral, rat, 90 days)	75 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity in Rodents)	
STOT-repeated exposure	May cause damage to organs (hearing sense) through prolonged or repeated exposure.	
decamethylcyclopentasiloxane (541-02-6)		
NOAEL (oral, rat, 90 days)	≥ 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)	
NOAEL (dermal, rat/rabbit, 90 days)	≥ 1600 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)	
Dodecamethylcyclohexasiloxane (540-97-6)		
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)	
Aspiration hazard	Not classified	
SYSTEM 20 HS SOLID BRILLIANT WHITE (2:1)		
Viscosity, kinematic	992.647 mm²/s	

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information	
12.1. Toxicity	
Hazardous to the aquatic environment, short-term : (acute)	Harmful to aquatic life with long lasting effects. Not classified Harmful to aquatic life with long lasting effects.
(chronic)	
	1 % or more of particles with aerodynamic diameter ≤ 10 μm] (13463-67-7)
LC50 - Fish [1]	155 mg/l Test organisms (species): other:Japanese Medaka
EC50 - Crustacea [1]	19.3 mg/l Test organisms (species): Daphnia magna
EC50 - Crustacea [2]	27.8 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
ErC50 algae	61 mg/l (EPA 600/9-78-018, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)
NOEC (chronic)	≥ 2.92 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
2-methoxy-1-methylethyl acetate (108-65-6)	
LC50 - Fish [1]	> 100 mg/l Test organisms (species): Oryzias latipes
EC50 - Crustacea [1]	> 500 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	 > 1000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
ErC50 algae	> 1000 mg/l (OECD 201: Alga, Growth Inhibition Test, 96 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)
NOEC (chronic)	≥ 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	47.5 mg/l Test organisms (species): Oryzias latipes Duration: '14 d'
n-butyl acetate (123-86-4)	
LC50 - Fish [1]	18 mg/l Test organisms (species): Pimephales promelas
LC50 - Fish [2]	62 mg/l (Leuciscus idus, static system)
EC50 - Crustacea [1]	44 mg/l Test organisms (species): Daphnia sp.
ErC50 algae	397 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Read-across, GLP)
NOEC (chronic)	23 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic crustacea	23 mg/l
4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)	
LC50 - Fish [1]	> 179 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	> 200 mg/l Test organisms (species): Daphnia magna

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	iazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α- yl-4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4- cyethylene) (104810-48-2)
LC50 - Fish [1]	2.8 mg/l (96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	4 mg/l (48 h, Daphnia magna, Static system, Fresh water, Experimental value, Nominal concentration)
ErC50 algae	> 100 mg/l (72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)
reaction mass of ethylbenzene, m-x	ylene and p-xylene
LC50 - Fish [1]	2.6 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	> 3.4 mg/l Test organisms (species): Ceriodaphnia dubia
EC50 72h - Algae [1]	1.3 mg/l
NOEC chronic fish	> 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'
Xylene (1330-20-7)	
LC50 - Fish [1]	2.6 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	> 3.4 mg/l Test organisms (species): Ceriodaphnia dubia
EC50 72h - Algae [1]	2.2 mg/l
ErC50 algae	4.36 mg/l (OECD 201: Alga, Growth Inhibition Test, 73 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
NOEC chronic fish	> 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'
hydrocarbons, C9, aromatics (64742	2-95-6)
LC50 - Fish [1]	9.22 mg/l (Oncorhynchus mykiss)
EC50 - Crustacea [1]	6.14 mg/l 48 h, Daphnia magna
ErC50 algae	2.9 mg/l
ethylbenzene (100-41-4)	
LC50 - Fish [1]	5.1 mg/l Test organisms (species): Menidia menidia
EC50 - Crustacea [1]	1.8 – 2.4 mg/l (US EPA, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
EC50 72h - Algae [1]	4.9 mg/l Test organisms (species): Skeletonema costatum
EC50 72h - Algae [2]	5.4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	7.7 mg/l Test organisms (species): Skeletonema costatum
EC50 96h - Algae [2]	3.6 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
LOEC (chronic)	1.7 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'
NOEC (chronic)	0.96 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'

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titanium dioxide; [in powder form containing 1 %		
	% or more of particles with aerodynamic diameter ≤ 10 μm] (13463-67-7)	
Persistence and degradability B	Biodegradability: not applicable.	
Chemical oxygen demand (COD) N	Not applicable (inorganic)	
ThOD N	Not applicable (inorganic)	
2-methoxy-1-methylethyl acetate (108-65-6)		
Persistence and degradability R	Readily biodegradable in the soil. Readily biodegradable in water.	
n-butyl acetate (123-86-4)		
Persistence and degradability R	Readily biodegradable in water.	
ThOD 2	2.21 g O ₂ /g substance	
BOD (% of ThOD) 0	0.46	
solvent naphtha (petroleum), light aromatic (647	742-95-6)	
Persistence and degradability M	May cause long-term adverse effects in the environment.	
4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)	
	Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water.	
Biochemical oxygen demand (BOD) 2	2.06 g O ₂ /g substance	
Chemical oxygen demand (COD) 2	2.16 g O ₂ /g substance	
ThOD 2	2.72 g O_2 /g substance	
Xylene (1330-20-7)		
Persistence and degradability B	Biodegradable in the soil. Readily biodegradable in water.	
hydrocarbons, C9, aromatics (64742-95-6)		
Persistence and degradability R	Readily biodegradable in water.	
ethylbenzene (100-41-4)		
Persistence and degradability B	Biodegradable in the soil. Readily biodegradable in water.	
Biochemical oxygen demand (BOD) 1	.44 g O ₂ /g substance	
Chemical oxygen demand (COD) 2	2.1 g O ₂ /g substance	
ThOD 3	3.17 g O ₂ /g substance	
12.3. Bioaccumulative potential		
titanium dioxide; [in powder form containing 1 %	% or more of particles with aerodynamic diameter ≤ 10 μm] (13463-67-7)	
Bioaccumulative potential N	Not bioaccumulative.	
2-methoxy-1-methylethyl acetate (108-65-6)		
Partition coefficient n-octanol/water (Log Pow) 1	.2 (Experimental value, Equivalent or similar to OECD 117, 20 °C)	
Bioaccumulative potential	ow potential for bioaccumulation (Log Kow < 4).	
n-butyl acetate (123-86-4)		
	2.3 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)	
Bioaccumulative potential	ow potential for bioaccumulation (Log Kow < 4).	

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solvent naphtha (petroleum), light aromatic (64742-95-6)		
Partition coefficient n-octanol/water (Log Pow) 2.1 – 6		
Bioaccumulative potential	Not established.	
4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)		
Partition coefficient n-octanol/water (Log Pow)	1.9 (Experimental value, Equivalent or similar to OECD 117, 20 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
reaction mass of α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α- 3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4- hydroxyphenyl)propionyloxypoly(oxyethylene) (104810-48-2)		
BCF - Fish [1]	2658 – 3430 (502 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value)	
Partition coefficient n-octanol/water (Log Pow)	4.6 (Experimental value, Equivalent or similar to OECD 117, 25 °C)	
Xylene (1330-20-7)		
BCF - Fish [1]	7.2 – 25.9 (56 day(s), Oncorhynchus mykiss, Flow-through system, Fresh water, Read- across)	
Partition coefficient n-octanol/water (Log Pow)	3.2 (Read-across, 20 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	
ethylbenzene (100-41-4)		
BCF - Fish [1]	1 (6 week(s), Oncorhynchus kisutch, Flow-through system, Salt water, Experimental value)	
Partition coefficient n-octanol/water (Log Pow)	3.6 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	
12.4. Mobility in soil		
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (13463-67-7)		

inaliani alexide; [in periodi ferni containing	1% of more of particles with aerodynamic diameter 2 to μ m (13403-07-7)
Ecology - soil	Low potential for mobility in soil.
2-methoxy-1-methylethyl acetate (108-65-6)	
Surface tension	29.4 mN/m (20 °C, 100 vol %, EU Method A.5: Surface tension)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.602 – 1.079 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Highly mobile in soil.
n-butyl acetate (123-86-4)	
Surface tension	61.3 mN/m (20 °C, 0.1 %, OECD 115: Surface Tension of Aqueous Solutions)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.268 – 1.844 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Highly mobile in soil.
4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)	
Surface tension	No data available in the literature
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.008 (log Koc, Weight of evidence, Calculated value)
Ecology - soil	Low potential for adsorption in soil.

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Xylene (1330-20-7)		
Surface tension	28.01 – 29.76 mN/m (25 °C)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.73 (log Koc, Equivalent or similar to OECD 121, Read-across)	
Ecology - soil	Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation.	
ethylbenzene (100-41-4)		
Surface tension	71.2 mN/m (23 °C, 0.058 g/l, EU Method A.5: Surface tension)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.71 (log Koc, PCKOCWIN v1.66, QSAR)	
Ecology - soil	Low potential for adsorption in soil. Toxic to soil organisms.	

12.5. Results of PBT and vPvB assessment

Component	
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter \leq 10 µm] (13463-67-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
n-butyl acetate (123-86-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
2-methoxy-1-methylethyl acetate (108-65-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Xylene (1330-20-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
ethylbenzene (100-41-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
4-methylpentan-2-one; isobutyl methyl ketone (108- 10-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Regional legislation (waste) Waste treatment methods Additional information	 Disposal must be done according to official regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions. Flammable vapours may accumulate in the container.

SECTION 14: Transport information

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

UN-No. (ADR)	:	UN 1263
UN-No. (IMDG)	:	UN 1263
UN-No. (IATA)	:	UN 1263

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UN-No. (ADN)	: UN 1263
UN-No. (RID)	: UN 1263
14.2. UN proper shipping name	
Proper Shipping Name (ADR)	: PAINT
Proper Shipping Name (IMDG)	: PAINT
Proper Shipping Name (IATA)	: Paint
Proper Shipping Name (ADN)	: PAINT
Proper Shipping Name (RID)	: PAINT
Transport document description (ADR)	: UN 1263 PAINT, 3, III, (D/E)
Transport document description (IMDG)	: UN 1263 PAINT, 3, III
Transport document description (IATA)	: UN 1263 Paint, 3, III
Transport document description (ADN)	: UN 1263 PAINT, 3, III
Transport document description (RID)	: UN 1263 PAINT, 3, III

14.3. Transport hazard class(es)

ADR

IMDG

Transport hazard class(es) (ADR) Danger labels (ADR)

Transport hazard class(es) (IMDG)

Danger labels (IMDG)



: 3

: 3

: 3 :

ΙΑΤΑ

Transport hazard class(es) (IATA) Danger labels (IATA)

ADN

Transport hazard class(es) (ADN) Danger labels (ADN)

RID

Transport hazard class(es) (RID) Danger labels (RID)





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14.4. Packing group	
	· · ·
Packing group (ADR) Packing group (IMDG)	: III : III
Packing group (IMDG) Packing group (IATA)	: III : III
Packing group (ADN)	: III
Packing group (RID)	: III
14.5. Environmental hazards	
Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available
14.6. Special precautions for user	
Overland transport	
Classification code (ADR)	: F1
Special provisions (ADR)	: 163, 367, 650
Limited quantities (ADR)	: 5
Excepted quantities (ADR)	: E1 • D001 IBC03 I D01 D001
Packing instructions (ADR) Special packing provisions (ADR)	: P001, IBC03, LP01, R001 : PP1
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	
	: TP1, TP29
(ADR)	· · · · · · · · · · · · · · · · · · ·
Tank code (ADR)	: LGBF
Vehicle for tank carriage	: FL
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Operation (ADR)	: S2
Hazard identification number (Kemler No.)	: 30
Orange plates	30
	1263
Tunnel restriction code (ADR)	: D/E
EAC code	: •3YE
Transport by and	
Transport by sea Special provisions (IMDG)	: 163, 223, 367, 955
Limited quantities (IMDG)	: 5L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T2
Tank special provisions (IMDG)	: TP1, TP29
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-E
Stowage category (IMDG) Properties and observations (IMDG)	: A . Missibility with water depends upon the composition
Properties and observations (IMDG)	: Miscibility with water depends upon the composition.
Air transport	
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y344
PCA limited quantity max net quantity (IATA)	: 10L
PCA packing instructions (IATA)	: 355
PCA max net quantity (IATA)	: 60L
CAO packing instructions (IATA) CAO max net quantity (IATA)	: 366 : 220L
Special provisions (IATA)	: A3, A72, A192
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ERG code (IATA)	:	3L
Inland waterway transport		
Classification code (ADN)		F1
	•	
Special provisions (ADN)		163, 367, 650 5 L
Limited quantities (ADN)	-	5L E1
Excepted quantities (ADN)	-	
Equipment required (ADN)		PP, EX, A
Ventilation (ADN)	-	VE01
Number of blue cones/lights (ADN)	·	0
Rail transport		
Classification code (RID)	-	F1
Special provisions (RID)		163, 367, 650
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)	:	T2
Portable tank and bulk container special provisions	:	TP1, TP29
(RID)		
Tank codes for RID tanks (RID)	:	LGBF
Transport category (RID)	:	3
Special provisions for carriage – Packages (RID)	:	W12
Colis express (express parcels) (RID)	:	CE4
Hazard identification number (RID)	:	30

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(a)	SYSTEM 20 HS SOLID BRILLIANT WHITE (2:1) ; 2-methoxy-1-methylethyl acetate ; solvent naphtha (petroleum), light aromatic ; n-butyl acetate ; hydrocarbons, C9, aromatics ; Xylene ; ethylbenzene ; reaction mass of ethylbenzene, m- xylene and p-xylene	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

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EU restriction list (R	EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description	
3(b)	SYSTEM 20 HS SOLID BRILLIANT WHITE (2:1) ; phosphoric acid polyester (72243-070628, Germany) ; solvent naphtha (petroleum), light aromatic ; n-butyl acetate ; hydrocarbons, C9, aromatics ; Xylene ; ethylbenzene ; reaction mass of ethylbenzene, m- xylene and p-xylene ; reaction mass of bis(1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate and methyl 1,2,2,6,6- pentamethyl-4-piperidyl sebacate ; reaction mass of α -3-(3-(2H- benzotriazol-2-yl)-5-tert- butyl-4- hydroxyphenyl)propionyl- ω - hydroxyphenyl)propionyl- ω - hydroxyphenyl)propionyl- ω -3-(3-(2H- benzotriazol-2-yl)-5-tert- butyl-4- hydroxyphenyl)propionyl- ω -3-(3-(2H- benzotriazol-2-yl)-5-tert- butyl-4- hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol- 2-yl)-5-tert-butyl-4- hydroxyphenyl)propionylo	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)	SYSTEM 20 HS SOLID BRILLIANT WHITE (2:1) ; solvent naphtha (petroleum), light aromatic ; hydrocarbons, C9, aromatics ; reaction mass of bis(1,2,2,6,6- pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4- piperidyl sebacate ; reaction mass of α -3-(3- (2H-benzotriazol-2-yl)-5- tert-butyl-4- hydroxypoly(oxyethylene) and α -3-(3-(2H- benzotriazol-2-yl)-5-tert- butyl-4- hydroxyphenyl)propionyl- ω - and α -3-(3-(2H- benzotriazol-2-yl)-5-tert- butyl-4- hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol- 2-yl)-5-tert-butyl-4- hydroxyphenyl)propionylo xypoly(oxyethylene)	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	

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EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
40.	SYSTEM 20 HS SOLID BRILLIANT WHITE (2:1) ; 2-methoxy-1-methylethyl acetate ; solvent naphtha (petroleum), light aromatic ; n-butyl acetate ; hydrocarbons, C9, aromatics ; Xylene ; ethylbenzene ; reaction mass of ethylbenzene, m- xylene and p-xylene	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.
Contains no substance on the REACH candidate list $> 0.1\%$ / SCI		

Contains no substance on the REACH candidate list ≥ 0,1 % / SCL

Contains no REACH Annex XIV substances

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

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

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors. VOC content

: 403 g/l

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BLV	Biological limit value	
CAS-No.	Chemical Abstract Service number	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC50	Median effective concentration	
EC-No.	European Community number	
EN	European Standard	
ΙΑΤΑ	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	

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Abbreviations and acronyms:		
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OEL	Occupational Exposure Limit	
РВТ	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
vPvB	Very Persistent and Very Bioaccumulative	
WGK	Water Hazard Class	

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	
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1	
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2	
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3	
Asp. Tox. 1	Aspiration hazard, Category 1	
Carc. 2	Carcinogenicity, Category 2	
EUH066	Repeated exposure may cause skin dryness or cracking.	
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Liq. 2	Flammable liquids, Category 2	
Flam. Liq. 3	Flammable liquids, Category 3	
H225	Highly flammable liquid and vapour.	
H226	Flammable liquid and vapour.	
H304	May be fatal if swallowed and enters airways.	
H312	Harmful in contact with skin.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H319	Causes serious eye irritation.	
H332	Harmful if inhaled.	
H335	May cause respiratory irritation.	
H336	May cause drowsiness or dizziness.	
H351	Suspected of causing cancer.	
H373	May cause damage to organs through prolonged or repeated exposure.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	

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Full text of H- and EUH-statements:		
H411	Toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1	Skin sensitisation, Category 1	
Skin Sens. 1A	Skin sensitisation, category 1A	
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2	
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis	

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