

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): S2080SR-SDS

Issue date: 03/03/2015 Revision date: 17/02/2022 Supersedes version of: 31/08/2020 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 CRYSTAL CLEAR SCRATCH RESISTANT CLEARCOAT (2:1)

UFI : 7GW0-C0U9-J005-P5R4 Product code : \$2080\$R/1, \$2080\$R/5

Product group : Clearcoat

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

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use

Use of the substance/mixture : Coatings and paints, thinners, paint removers

Function or use category : Topcoat

1.2.2. Uses advised against

Restrictions on use : Consumer uses: Private households (= general public = consumers)

1.3. Details of the supplier of the safety data sheet

Manufacturer Importer

U-POL Limited Ltd U-POL Netherlands B.V. B.V.

Denington Road Hoorgoorddreef 15
GB- NN8 2QH Wellingborough - Northamptonshire NL- 1101BA Amsterdam

United Kingdom

Netherlands

T +44 (0) 1933 230310 T +31 20 240 2216

technicalsupport@u-pol.com - www.u-pol.com technicalsupport@u-pol.com - www.u-pol.com technicalsupport@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 2 H225
Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2 H319

Safety Data Sheet

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

Skin sensitisation, Category 1	H317
Carcinogenicity, Category 2	H351
Specific target organ toxicity — Single exposure, Category 3, Narcosis	H336
Specific target organ toxicity — Single exposure, Category 3, Respiratory	H335
tract irritation	
Specific target organ toxicity — Repeated exposure, Category 2	H373
Hazardous to the aquatic environment — Chronic Hazard, Category 3	H412
Full tout of LL and FLILL statements, and postion 16	

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

Adverse physicochemical, human health and environmental effects

Highly flammable liquid and vapour. May cause damage to organs through prolonged or repeated exposure. May cause drowsiness or dizziness. May cause respiratory irritation. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP)







GHS02

Signal word (CLP) : Danger

Contains : Xylene, isobutyl methyl ketone, 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-4hydroxyphenyl)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) : H225 - Highly flammable liquid and vapour.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. 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.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, open flames, sparks. — No smoking.

P260 - Do not breathe fume, 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.

Unknown acute toxicity (CLP) - SDS : 0.23% 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		
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	
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	

Safety Data Sheet

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

Component	
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
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
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

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]
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-	5 – 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
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	10 – 20	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
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	5 – 10	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H336

Safety Data Sheet

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

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
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-	3 – 10	Flam. Liq. 3, H226
reaction mass of ethylbenzene, m-xylene and p-xylene	EC-No.: 905-562-9 REACH-no: 01-2119555267- 33	1 – 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
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	3 – 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-	0.3 – 1	Skin Sens. 1A, H317 Aquatic Chronic 2, H411
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 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.

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Call a poison center or a doctor if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. 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 cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects : May cause drowsiness or dizziness. Symptoms/effects after inhalation : May cause respiratory irritation.

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction. Repeated exposure may cause skin dryness

or cracking.

Symptoms/effects after eye contact : Eye irritation.

17/02/2022 (Revision date) EN (English) 4/34

Safety Data Sheet

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

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 substance or mixture

Fire hazard : Highly flammable liquid and vapour. Hazardous decomposition products in case of fire : 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 measures

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. Do not breathe

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 containment and cleaning up

For containment : Collect spillage. Contain released product, collect/pump into suitable containers.

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or

public waters.

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

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : 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. Do not breathe vapours, spray, fume. Use only outdoors or in a well-ventilated

area. Avoid contact with skin and eyes.

Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always

wash hands after handling the product.

Safety Data Sheet

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

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Storage temperature : < 25 °C

Storage area : Store in a well-ventilated place.
Special rules on packaging : 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

n-butyl acetate (123-86-4)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	n-Butyl acetate	
IOEL TWA	241 mg/m³	
IOEL TWA [ppm]	50 ppm	
IOEL STEL	723 mg/m³	
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/m³	
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/m³	
WEL TWA (OEL TWA) [2]	150 ppm	
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 (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	

Safety Data Sheet

4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)		
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/m³	
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	
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	
Remark	Skin	

Safety Data Sheet

2-methoxy-1-methylethyl acetate (108-65-6)			
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC		
Ireland - Occupational Exposure Limits	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/m³		
WEL TWA (OEL TWA) [2]	50 ppm		
WEL STEL (OEL STEL)	548 mg/m³		
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		
Xylene (1330-20-7)			
EU - Indicative Occupational Exposure Limit (IOEL))		
Local name	Xylene, mixed isomers, pure		
IOEL TWA	221 mg/m³		
IOEL TWA [ppm]	50 ppm		
IOEL STEL	442 mg/m³		
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/m³		
OEL TWA [2]	50 ppm		
OEL STEL	442 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)		

Safety Data Sheet

Xylene (1330-20-7)		
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/m³	
WEL TWA (OEL TWA) [2]	50 ppm	
WEL STEL (OEL STEL)	441 mg/m³	
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 (IOEL)		
Local name	Ethylbenzene	
IOEL TWA	442 mg/m³	
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/m³	
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	

Safety Data Sheet

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

ethylbenzene (100-41-4)		
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

8.1.4. DNEL and PNEC	
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/m³
Long-term - local effects, inhalation	300 mg/m³
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	6 mg/kg bw/day
Acute - systemic effects, inhalation	300 mg/m³
Acute - systemic effects, oral	2 mg/kg bw/day
Acute - local effects, inhalation	300 mg/m³
Long-term - systemic effects,oral	2 mg/kg bw/day
Long-term - systemic effects, inhalation	35.7 mg/m³
Long-term - systemic effects, dermal	6 mg/kg bw/day
Long-term - local effects, inhalation	35.7 mg/m³

Safety Data Sheet

n-butyl acetate (123-86-4)	
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/m³
Acute - local effects, inhalation	208 mg/m³
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/m³
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

Safety Data Sheet

2-methoxy-1-methylethyl acetate (108-65-6)	2-methoxy-1-methylethyl acetate (108-65-6)	
DNEL/DMEL (Workers)		
Acute - local effects, inhalation	550 mg/m³	
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	
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/m³	
DNEL/DMEL (General population)		
Long-term - systemic effects,oral	0.025 mg/kg bw/day	
Long-term - systemic effects, inhalation	0.085 mg/m³	
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	

Safety Data Sheet

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)		
PNEC (STP)		
PNEC sewage treatment plant	10 mg/l	
toluene (108-88-3)		
DNEL/DMEL (Workers)		
Acute - systemic effects, inhalation	384 mg/m³	
Acute - local effects, inhalation	384 mg/m³	
Long-term - systemic effects, dermal	384 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	192 mg/m³	
Long-term - local effects, inhalation	192 mg/m³	
DNEL/DMEL (General population)		
Acute - systemic effects, inhalation	226 mg/m³	
Acute - local effects, inhalation	226 mg/m³	
Long-term - systemic effects,oral	8.13 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	56.5 mg/m³	
Long-term - systemic effects, dermal	226 mg/kg bodyweight/day	
Long-term - local effects, inhalation	56.5 mg/m³	
PNEC (Water)		
PNEC aqua (freshwater)	0.68 mg/l	
PNEC aqua (marine water)	0.68 mg/l	
PNEC aqua (intermittent, freshwater)	0.68 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	16.39 mg/kg dwt	
PNEC sediment (marine water)	16.39 mg/kg dwt	
PNEC (Soil)		
PNEC soil	2.89 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	13.61 mg/l	
reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (1065336-91-5)		
DNEL/DMEL (Workers)		
Long-term - systemic effects, inhalation	0.68 mg/m³ (DGUV DNEL List 2019)	
Xylene (1330-20-7)		
DNEL/DMEL (Workers)		
Acute - systemic effects, inhalation	289 mg/m³	
Acute - local effects, inhalation	289 mg/m³	
Long-term - systemic effects, dermal	180 mg/kg bodyweight/day	

Safety Data Sheet

Long-term - systemic effects, inhalation 77 mg/m² Long-term - local effects, inhalation 77 mg/m² ONEL/DMEL (General population) Acute - systemic effects, inhalation 174 mg/m³ Acute - local effects, inhalation 174 mg/m³ Acute - local effects, inhalation 174 mg/m³ Long-term - systemic effects, inhalation 18 mg/kg bodyweight/day Long-term - systemic effects, inhalation 18 mg/kg bodyweight/day Long-term - systemic effects, inhalation 85.3 mg/m³ PNEC (water) PNEC aqua (freshwater) 0.327 mg/l PNEC aqua (intermiterit, freshwater) 0.327 mg/l PNEC aqua (intermiterit, freshwater) 12.46 mg/kg dwt PNEC soli 12.46 mg/kg dwt PNEC soli 2.31 mg/kg dwt PNEC (Soli) PNEC soli 2.31 mg/kg dwt PNEC (Soli) PNEC soli 2.31 mg/kg dwt PNEC (Soli) PNEC soli 2.34 mg/kg dwt PNEC (Soli) PNEC soli 2.39 mg/m³ Acute - local effects, inhalation 289 mg/m³ Acute - local effects, inhalation 289 mg/m³ Long-term - systemic effects, inhalation 77 mg/m³ DNEL/DMEL (Morkers) Acute - systemic effects, inhalation 174 mg/m³ Long-term - systemic effects, inhalat	Xylene (1330-20-7)		
DNEL/DMEL (General population) Acute - systemic effects, inhalation 174 mg/m³ Acute - local effects, inhalation 174 mg/m³ Long-term - systemic effects, cord 1, 6 mg/kg bodyweight/day Long-term - systemic effects, dermal 108 mg/kg bodyweight/day Long-term - systemic effects, dermal 108 mg/kg bodyweight/day Long-term - systemic effects, dermal 108 mg/kg bodyweight/day Long-term - systemic effects, inhalation 65.3 mg/m³ PNEC Quate (freshwater) 0.327 mg/l PNEC Quate (freshwater) 0.327 mg/l PNEC aqua (intermittent, freshwater) 0.327 mg/l PNEC aqua (intermittent, freshwater) 0.327 mg/l PNEC sediment) PNEC Sediment) PNEC Sediment) PNEC Sediment (marine water) 12.46 mg/kg dwt PNEC (Sediment) PNEC Sediment (marine water) 12.46 mg/kg dwt PNEC (Sediment) PNEC Sediment (marine water) 12.46 mg/kg dwt PNEC Sediment (marine water) 12.48 mg/kg dwt PNEC (Sediment) PNEC Sediment (marine water) 12.48 mg/kg dwt PNEC (Sediment) PNEC Sediment (marine water) 12.49 mg/kg dwt PNEC (Sediment) PNEC Sediment (marine water) 12.49 mg/kg dwt PNEC (Sediment) PNEC (Sediment) PNEC Sediment (marine water) 12.49 mg/kg dwt PNEC (Sediment) PNEC Sediment (marine water) 12.49 mg/kg dwt PNEC (Sediment) PNEC (Sediment) 12.49 mg/kg dwt PNEC (Sediment) 12.49 mg/m³ Acute - systemic effects, inhalation 289 mg/m³ DNEL/DMEL (Workers) Acute - systemic effects, inhalation 77 mg/m³ DNEL/DMEL (General population) Acute - systemic effects, inhalation 174 mg/m³ Acute - local effects, inhalation 174 mg/m³ Acute - systemic effects, inhalation 174 mg/m³ DNEL/DMEL (General population) 18.8 mg/m³ Long-term - systemic effects, inhalation 18.8 mg/m³ DNEL/DMEL (General population) 18.8 mg/m³ DNEL/DMEL (General population) 18.8 mg/m³ DNEL/DMEL (General population) 18.8 mg/m³ DNEC (Sediment) 19.0 mg/kg bodyweight/day DNEC (Mater) PNEC Qual (freshwater) 0.327 mg/l PNEC Qual (freshwater) 0.327 mg/l PNEC Qual (freshwater) 0.327 mg/l	Long-term - systemic effects, inhalation	77 mg/m³	
Acute - systemic effects, inhalation 174 mg/m³ Acute - local effects, inhalation 174 mg/m³ Acute - local effects, inhalation 174 mg/m³ Long-term - systemic effects, inhalation 1.8 mg/kg bodyweight/day Long-term - systemic effects, dermal 1.8 mg/kg bodyweight/day Long-term - systemic effects, dermal 1.8 mg/m³ Long-term - local effects, inhalation 65.3 mg/m³ PNEC (Water) PNEC (Water) PNEC aqua (marine water) 0.327 mg/l PNEC aqua (intermittent, freshwater) 0.327 mg/l PNEC aqua (intermittent, freshwater) 0.327 mg/l PNEC sediment (ifeshwater) 12.46 mg/kg dw/l PNEC sediment (ifeshwater) 12.46 mg/kg dw/l PNEC sediment (marine water) 12.46 mg/kg dw/l PNEC (Soil) PNEC (Soil) 2.31 mg/kg dw/l PNEC (Soil) PNEC sevage treatment plant 6.58 mg/l reaction mass of ethylbenzene, m-xylene and p-xylene DNEL/DMEL (Workers) Acute - local effects, inhalation 289 mg/m³ Acute - local effects, inhalation 289 mg/m³ Long-term - systemic effects, inhalation 77 mg/m³ DNEL/DMEL (General population) Acute - local effects, inhalation 174 mg/m³ Long-term - systemic effects, inhalation 174 mg/m³ Long-term - systemic effects, inhalation 174 mg/m³ Long-term - systemic effects, inhalation 1.8 mg/kg bodyweight/day Long-term - systemic effects, inhalation 1.4 mg/kg bodyweight/day PNEC (Water) PNEC (acuter) PNEC acuter (material water) 0.327 mg/l PNEC (sediment)	Long-term - local effects, inhalation	77 mg/m³	
Acute - local effects, inhalation 174 mg/m² 1.6 mg/kg bodyweight/day 1.	DNEL/DMEL (General population)		
Long-term - systemic effects, inhalation 14.8 mg/m³ 108 mg/kg bodyweight/day 10.0 mg/kg bodyweig	Acute - systemic effects, inhalation	174 mg/m³	
Long-term - systemic effects, inhalation 14.8 mg/m³ Long-term - systemic effects, dermal 108 mg/kg bodyveight/day Long-term - local effects, inhalation 65.3 mg/m³ PNEC (Water) PNEC aqua (freshwater) 0.327 mg/l PNEC aqua (finermittent, freshwater) 0.327 mg/l PNEC squa (marine water) 12.46 mg/kg dwt PNEC sediment) PNEC sediment (freshwater) 12.46 mg/kg dwt PNEC sediment (marine water) 12.46 mg/kg dwt PNEC sediment (marine water) 12.46 mg/kg dwt PNEC sediment (marine water) 12.46 mg/kg dwt PNEC (Soil) PNEC sediment (marine water) 15.46 mg/kg dwt PNEC sevage treatment plant 6.58 mg/l reaction mass of ethylbenzene, m-xylene and p-xylene DNEL/DMEL (Workers) Acute - systemic effects, inhalation 289 mg/m³ Acute - local effects, inhalation 289 mg/m³ Acute - local effects, inhalation 77 mg/m³ DNEL/DMEL (General population) Acute - systemic effects, inhalation 174 mg/m³ Acute - local effects, inhalation 174 mg/m³ Acute - systemic effects, inhalation 174 mg/m³ Acute - local eff	Acute - local effects, inhalation	174 mg/m³	
Long-term - systemic effects, inhalation (5.3 mg/m²) PNEC (Water) PNEC aqua (freshwater) (0.327 mg/h²) PNEC (Sediment) PNEC sediment (freshwater) (12.46 mg/kg dwt PNEC sediment (marine water) (12.46 mg/kg dwt PNEC (Seli) PNEC sediment (marine water) (12.46 mg/kg dwt PNEC sediment (marine water) (12.46 mg/kg dwt PNEC (Seli) PNEC sediment (marine water) (12.46 mg/kg dwt PNEC (Seli) PNEC sediment (marine water) (12.46 mg/kg dwt PNEC (Seli) PNEC (Seli) PNEC sevage treatment plant (12.46 mg/kg dwt PNEC (Seli) PNEC (Seli) PNEC sevage treatment plant (12.46 mg/kg dwt PNEC (Seli) PNEC (Seli) DNEL/DMEL (Workers) Acute - systemic effects, inhalation (12.89 mg/m²) Acute - systemic effects, inhalation (12.89 mg/m²) Long-term - systemic effects, inhalation (174 mg/m²) Acute - local effects, inhalation (174 mg/m²) Acute - systemic effects, inhalation (174 mg/m²) Acute - systemi	Long-term - systemic effects,oral	1.6 mg/kg bodyweight/day	
Description	Long-term - systemic effects, inhalation	14.8 mg/m³	
PNEC (Water) 0.327 mg/l PNEC aqua (Ireshwater) 0.327 mg/l PNEC aqua (Intermittent, Ireshwater) 0.327 mg/l PNEC (Sediment) PNEC (Sediment) PNEC sediment (Ireshwater) 12.46 mg/kg dwt PNEC sediment (marine water) 12.46 mg/kg dwt PNEC (Soil) PNEC (Soil) PNEC soil 2.31 mg/kg dwt PNEC (STP) PNEC sewage treatment plant 6.58 mg/l reaction mass of ethylbenzene, m-xylene and p-xylene DNELDMEL (Workers) Acute - systemic effects, inhalation 289 mg/m³ Acute - local effects, inhalation 289 mg/m³ Acute - local effects, inhalation 289 mg/m³ Dong-term - systemic effects, inhalation 77 mg/m³ DNEL/DMEL (General population) 174 mg/m³ Acute - local effects, inhalation 174 mg/m³ Acute - local effects, inhalation 174 mg/m³ Acute - systemic effects, inhalation 14.8 mg/m³ Long-term - systemic effects, inhalation 14.8 mg/m³ Long-term - systemic effects, inhalation 14.8 mg/m³ Long-term - systemic effects, inhalation 14.8 mg/m³	Long-term - systemic effects, dermal	108 mg/kg bodyweight/day	
PNEC aqua (freshwater) 0.327 mg/l PNEC aqua (marine water) 0.327 mg/l PNEC aqua (intermittent, freshwater) 0.327 mg/l PNEC (Sediment) PNEC (Sediment) PNEC (Sediment (freshwater) 12.46 mg/kg dwt PNEC sediment (marine water) 12.46 mg/kg dwt PNEC (Soil) PNEC (Soil) PNEC Soil 2.31 mg/kg dwt PNEC (Sewage treatment plant 6.58 mg/l Paction mass of ethylbenzene, m-xylene and p-xylene DNEL/DMEL (Workers) Acute - systemic effects, inhalation 289 mg/m³ Acute - local effects, inhalation 289 mg/m³ Long-term - systemic effects, inhalation 77 mg/m³ DNEL/DMEL (General population) Acute - systemic effects, inhalation 174 mg/m³ Long-term - systemic effects, inhalation 174 mg/m³ Acute - systemic effects, inhalation 174 mg/m³ Acu	Long-term - local effects, inhalation	65.3 mg/m³	
PNEC aqua (intermittent, freshwater) PNEC aqua (intermittent, freshwater) PNEC (Sediment) PNEC (Sediment) PNEC sediment (freshwater) 12.46 mg/kg dwt PNEC sediment (marine water) 12.46 mg/kg dwt PNEC (Soil) PNEC soil PNEC soil 2.31 mg/kg dwt PNEC (STP) PNEC sewage treatment plant 6.58 mg/l reaction mass of ethylbenzene, m-xylene and p-xylene DNEL/DMEL (Workers) Acute - local effects, inhalation 289 mg/m³ Acute - local effects, inhalation 77 mg/m³ DNEL/DMEL (General population) Acute - systemic effects, inhalation 174 mg/m³ Acute - local effects, inhalation 174 mg/m³ Long-term - systemic effects, inhalation 174 mg/m³ Acute - systemic effects, inhalation 174 mg/m³ Long-term - systemic effects, inhalation 175 mg/kg bodyweight/day Long-term - systemic effects, dermal 108 mg/kg bodyweight/day PNEC (Water) PNEC (Qua (freshwater) 0.327 mg/l PNEC aqua (intermittent, freshwater) 0.327 mg/l PNEC (Sediment)	PNEC (Water)		
PNEC (sediment) PNEC (Sediment) PNEC sediment (freshwater)	PNEC aqua (freshwater)	0.327 mg/l	
PNEC (Sediment) 12.46 mg/kg dwt PNEC sediment (freshwater) 12.46 mg/kg dwt PNEC (Soil) 12.31 mg/kg dwt PNEC (Soil) 2.31 mg/kg dwt PNEC (STP) PNEC (STP) PNEC sewage treatment plant 6.58 mg/l reaction mass of ethylbenzene, m-xylene and p-xylene DNEL/DMEL (Workers) Acute - systemic effects, inhalation 289 mg/m³ Acute - local effects, inhalation 289 mg/m³ Long-term - systemic effects, dermal 180 mg/kg bodyweight/day Long-term - systemic effects, inhalation 77 mg/m³ DNEL/DMEL (General population) Acute - systemic effects, inhalation 174 mg/m³ Acute - local effects, inhalation 174 mg/m³ Long-term - systemic effects, oral 1.6 mg/kg bodyweight/day Long-term - systemic effects, dermal 108 mg/kg bodyweight/day PNEC (Water) 0.327 mg/l PNEC aqua (freshwater) 0.327 mg/l PNEC aqua (intermittent, freshwater) 0.327 mg/l PNEC (Sediment) 0.327 mg/l	PNEC aqua (marine water)	0.327 mg/l	
PNEC sediment (freshwater) PNEC sediment (marine water) PNEC (Soil) PNEC soil PNEC soil PNEC (STP) PNEC sewage treatment plant PNEC sewage treatment plant PNEC (STP) PNEC (SWAGE) Acute - systemic effects, inhalation PNEL/DMEL (Workers) Acute - systemic effects, dermal PNEC (Stemal Systemic effects, inhalation PNEL/DMEL (General population) Acute - systemic effects, inhalation PNEL/DMEL (General population) Acute - systemic effects, inhalation PNEL/DMEL (Stemal Systemic effects, inhalation PNEL/DMEL (Stemal Systemic effects, inhalation PNEL/DMEL (Stemal Systemic effects, inhalation PNEC (Stemal Systemic effects, inhalation PNEC (Water) PNEC (Quater) PNEC aqua (intermittent, freshwater) PNEC aqua (intermittent, freshwater) PNEC (Sediment)	PNEC aqua (intermittent, freshwater)	0.327 mg/l	
PNEC (Soil) PNEC (Soil) PNEC (Soil) PNEC (STP) PNEC sewage treatment plant 6.58 mg/l reaction mass of ethylbenzene, m-xylene and p-xylene DNEL/DMEL (Workers) Acute - systemic effects, inhalation Acute - systemic effects, inhalation Treation mass of ethylbenzene, m-xylene and p-xylene DNEL/DMEL (Workers) Acute - local effects, inhalation DNEL/DMEL (General population) Acute - systemic effects, inhalation Treation Trea	PNEC (Sediment)		
PNEC (Soil) PNEC soil PNEC soil PNEC (STP) PNEC sewage treatment plant 6.58 mg/l reaction mass of ethylbenzene, m-xylene and p-xylene DNEL/DMEL (Workers) Acute - local effects, inhalation 289 mg/m³ Acute - local effects, inhalation 27 mg/m³ DNEL/DMEL (General population) Acute - systemic effects, inhalation 174 mg/m³ Acute - local effects, inhalation 174 mg/m³ Long-term - systemic effects, inhalation 174 mg/m³ Acute - local effects, inhalation 174 mg/m³ Long-term - systemic effects, inhalation 198 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 0.327 mg/l PNEC aqua (intermittent, freshwater) 0.327 mg/l PNEC (Sediment)	PNEC sediment (freshwater)	12.46 mg/kg dwt	
PNEC soil PNEC (STP) PNEC sewage treatment plant 6.58 mg/l reaction mass of ethylbenzene, m-xylene and p-xylene DNEL/DMEL (Workers) Acute - systemic effects, inhalation 289 mg/m³ Acute - local effects, inhalation 289 mg/m³ Long-term - systemic effects, inhalation 77 mg/m³ DNEL/DMEL (General population) Acute - systemic effects, inhalation 77 mg/m³ DNEL/DMEL (General population) Acute - systemic effects, inhalation 174 mg/m³ Acute - local effects, inhalation 174 mg/m³ Long-term - systemic effects, inhalation 174 mg/m³ Long-term - systemic effects, inhalation 108 mg/kg bodyweight/day Long-term - systemic effects, inhalation 108 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 0.327 mg/l PNEC aqua (intermittent, freshwater) 0.327 mg/l PNEC aqua (intermittent, freshwater) 0.327 mg/l PNEC (Sediment)	PNEC sediment (marine water)	12.46 mg/kg dwt	
PNEC (STP) PNEC sewage treatment plant 6.58 mg/l reaction mass of ethylbenzene, m-xylene and p-xylene DNEL/DMEL (Workers) Acute - systemic effects, inhalation 289 mg/m³ Acute - local effects, inhalation 289 mg/m³ Long-term - systemic effects, dermal 180 mg/kg bodyweight/day Long-term - systemic effects, inhalation 77 mg/m³ DNEL/DMEL (General population) Acute - systemic effects, inhalation 174 mg/m³ Acute - local effects, inhalation 174 mg/m³ Long-term - systemic effects, inhalation 174 mg/m³ Long-term - systemic effects, inhalation 174 mg/m³ Long-term - systemic effects, inhalation 14.8 mg/m³ Long-term - systemic effects, inhalation 14.8 mg/m³ Long-term - systemic effects, dermal 108 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 0.327 mg/l PNEC aqua (intermittent, freshwater) 0.327 mg/l PNEC (Sediment)	PNEC (Soil)		
PNEC sewage treatment plant reaction mass of ethylbenzene, m-xylene and p-xylene DNEL/DMEL (Workers) Acute - systemic effects, inhalation 289 mg/m³ Long-term - systemic effects, dermal Long-term - systemic effects, inhalation 77 mg/m³ DNEL/DMEL (General population) Acute - systemic effects, inhalation 174 mg/m³ Acute - systemic effects, inhalation 174 mg/m³ Long-term - systemic effects, inhalation 174 mg/m³ Long-term - systemic effects, inhalation 174 mg/m³ Long-term - systemic effects, oral 1.6 mg/kg bodyweight/day Long-term - systemic effects, inhalation 14.8 mg/m³ Long-term - systemic effects, dermal 108 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 0.327 mg/l PNEC aqua (intermittent, freshwater) 0.327 mg/l PNEC (Sediment)	PNEC soil	2.31 mg/kg dwt	
reaction mass of ethylbenzene, m-xylene and p-xylene DNEL/DMEL (Workers) Acute - systemic effects, inhalation 289 mg/m³ Long-term - systemic effects, dermal 180 mg/kg bodyweight/day Long-term - systemic effects, inhalation 77 mg/m³ DNEL/DMEL (General population) Acute - systemic effects, inhalation 174 mg/m³ Acute - local effects, inhalation 174 mg/m³ Long-term - systemic effects, oral 1.6 mg/kg bodyweight/day Long-term - systemic effects, inhalation 14.8 mg/m³ Long-term - systemic effects, inhalation 14.8 mg/m³ Long-term - systemic effects, dermal 108 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 0.327 mg/l PNEC aqua (intermittent, freshwater) 0.327 mg/l PNEC qaua (intermittent, freshwater) 0.327 mg/l PNEC (Sediment)	PNEC (STP)		
DNEL/DMEL (Workers) Acute - systemic effects, inhalation 289 mg/m³ Acute - local effects, inhalation 289 mg/m³ Long-term - systemic effects, dermal 180 mg/kg bodyweight/day Long-term - systemic effects, inhalation 77 mg/m³ DNEL/DMEL (General population) Acute - systemic effects, inhalation 174 mg/m³ Acute - local effects, inhalation 174 mg/m³ Long-term - systemic effects, oral 1.6 mg/kg bodyweight/day Long-term - systemic effects, inhalation 14.8 mg/m³ Long-term - systemic effects, dermal 108 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 0.327 mg/l PNEC aqua (intermittent, freshwater) 0.327 mg/l PNEC (Sediment)	PNEC sewage treatment plant	6.58 mg/l	
Acute - systemic effects, inhalation 289 mg/m³ Acute - local effects, inhalation 289 mg/m³ Long-term - systemic effects, dermal 180 mg/kg bodyweight/day Long-term - systemic effects, inhalation 77 mg/m³ DNEL/DMEL (General population) Acute - systemic effects, inhalation 174 mg/m³ Acute - local effects, inhalation 174 mg/m³ Long-term - systemic effects, oral 1.6 mg/kg bodyweight/day Long-term - systemic effects, inhalation 14.8 mg/m³ Long-term - systemic effects, dermal 108 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 0.327 mg/l PNEC aqua (intermittent, freshwater) 0.327 mg/l PNEC (Sediment)	reaction mass of ethylbenzene, m-xylene and p-xylene		
Acute - local effects, inhalation Long-term - systemic effects, dermal Long-term - systemic effects, inhalation 77 mg/m³ DNEL/DMEL (General population) Acute - systemic effects, inhalation 174 mg/m³ Acute - local effects, inhalation 174 mg/m³ Long-term - systemic effects, oral Long-term - systemic effects, inhalation 14.8 mg/m³ Long-term - systemic effects, inhalation 198 mg/kg bodyweight/day Long-term - systemic effects, dermal 108 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 0.327 mg/l PNEC aqua (intermittent, freshwater) 0.327 mg/l PNEC (Sediment)	DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal Long-term - systemic effects, inhalation DNEL/DMEL (General population) Acute - systemic effects, inhalation 174 mg/m³ Acute - local effects, inhalation Long-term - systemic effects, oral Long-term - systemic effects, inhalation 14.8 mg/m³ Long-term - systemic effects, inhalation 14.8 mg/m³ Long-term - systemic effects, inhalation 108 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 0.327 mg/l PNEC aqua (intermittent, freshwater) 0.327 mg/l PNEC (Sediment)	Acute - systemic effects, inhalation	289 mg/m³	
Long-term - systemic effects, inhalation 77 mg/m³ DNEL/DMEL (General population) Acute - systemic effects, inhalation 174 mg/m³ Acute - local effects, inhalation 174 mg/m³ Long-term - systemic effects, oral 1.6 mg/kg bodyweight/day Long-term - systemic effects, inhalation 14.8 mg/m³ Long-term - systemic effects, dermal 108 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 0.327 mg/l PNEC aqua (intermittent, freshwater) 0.327 mg/l PNEC (Sediment)	Acute - local effects, inhalation	289 mg/m³	
DNEL/DMEL (General population) Acute - systemic effects, inhalation 174 mg/m³ Acute - local effects, inhalation 174 mg/m³ Long-term - systemic effects, oral 1.6 mg/kg bodyweight/day Long-term - systemic effects, inhalation 14.8 mg/m³ Long-term - systemic effects, dermal 108 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 0.327 mg/l PNEC aqua (marine water) 0.327 mg/l PNEC aqua (intermittent, freshwater) 0.327 mg/l PNEC (Sediment)	Long-term - systemic effects, dermal	180 mg/kg bodyweight/day	
Acute - systemic effects, inhalation 174 mg/m³ Acute - local effects, inhalation 174 mg/m³ Long-term - systemic effects, oral 1.6 mg/kg bodyweight/day Long-term - systemic effects, inhalation 14.8 mg/m³ Long-term - systemic effects, dermal 108 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 0.327 mg/l PNEC aqua (marine water) 0.327 mg/l PNEC aqua (intermittent, freshwater) 0.327 mg/l PNEC (Sediment)	Long-term - systemic effects, inhalation	77 mg/m³	
Acute - local effects, inhalation 174 mg/m³ Long-term - systemic effects, oral 1.6 mg/kg bodyweight/day Long-term - systemic effects, inhalation 14.8 mg/m³ Long-term - systemic effects, dermal 108 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 0.327 mg/l PNEC aqua (marine water) 0.327 mg/l PNEC aqua (intermittent, freshwater) 0.327 mg/l PNEC (Sediment)	DNEL/DMEL (General population)		
Long-term - systemic effects, oral Long-term - systemic effects, inhalation Long-term - systemic effects, dermal Long-term - systemic effects, dermal 108 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) PNEC aqua (marine water) PNEC aqua (intermittent, freshwater) PNEC aqua (intermittent, freshwater) PNEC (Sediment)	Acute - systemic effects, inhalation	174 mg/m³	
Long-term - systemic effects, inhalation Long-term - systemic effects, dermal 108 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) PNEC aqua (marine water) PNEC aqua (intermittent, freshwater) O.327 mg/l PNEC aqua (intermittent, freshwater) PNEC (Sediment)	Acute - local effects, inhalation	174 mg/m³	
Long-term - systemic effects, dermal PNEC (Water) PNEC aqua (freshwater) PNEC aqua (marine water) PNEC aqua (intermittent, freshwater) O.327 mg/l PNEC aqua (intermittent, freshwater) PNEC (Sediment)	Long-term - systemic effects,oral	1.6 mg/kg bodyweight/day	
PNEC (Water) PNEC aqua (freshwater) 0.327 mg/l PNEC aqua (marine water) 0.327 mg/l PNEC aqua (intermittent, freshwater) 0.327 mg/l PNEC (Sediment)	Long-term - systemic effects, inhalation	14.8 mg/m³	
PNEC aqua (freshwater) PNEC aqua (marine water) 0.327 mg/l PNEC aqua (intermittent, freshwater) 0.327 mg/l PNEC (Sediment)	Long-term - systemic effects, dermal	108 mg/kg bodyweight/day	
PNEC aqua (marine water) PNEC aqua (intermittent, freshwater) O.327 mg/l PNEC (Sediment)	PNEC (Water)		
PNEC aqua (intermittent, freshwater) 0.327 mg/l PNEC (Sediment)	PNEC aqua (freshwater)	0.327 mg/l	
PNEC (Sediment)	PNEC aqua (marine water)	0.327 mg/l	
	PNEC aqua (intermittent, freshwater)	0.327 mg/l	
PNEC sediment (freshwater) 12.46 mg/kg dwt	PNEC (Sediment)		
	PNEC sediment (freshwater)	12.46 mg/kg dwt	

Safety Data Sheet

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

reaction mass of ethylbenzene, m-xylene and p-xylene		
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/m³	
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	

8.1.5. Control banding

No additional information available

Safety Data Sheet

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

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 symbol(s):







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:

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 Colourless. Appearance Liquid. Odour aromatic. Odour threshold Not available Melting point Not available Freezing point : Not available Boiling point > 35 °C Flammability Not applicable Explosive limits : Not available Lower explosion limit : Not available Upper explosion limit : Not available Flash point · 18 °C : Not available Auto-ignition temperature : Not available Decomposition temperature рΗ : Not available

Safety Data Sheet

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

Viscosity, kinematic : > 20.5 mm²/s

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 : $0.97 (0.96 - 0.98) \text{ g/cm}^3$

Relative density : Not available Relative vapour density at 20 °C : Not available : Not applicable Particle size : Not applicable Particle size distribution 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

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 : 519 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

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

n-butyl acetate (123-86-4)

LD50 oral rat 10760 – 12789 mg/kg bodyweight (Equivalent or similar to OECD 423, Rat, Male / female, Experimental value, Oral, 14 day(s))

Safety Data Sheet

n-butyl acetate (123-86-4)		
LD50 dermal rabbit	> 14112 mg/kg bodyweight (Equivalent or similar to OECD 402, Rabbit, Male / female, Experimental value, Dermal, 14 day(s))	
LC50 Inhalation - Rat	23.4 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat)	
LC50 Inhalation - Rat [ppm]	390 ppm/4h	
LC50 Inhalation - Rat (Vapours)	> 21 mg/l/4h (4 h, OECD Test Guideline 403, rat, vapours)	
4-methylpentan-2-one; isobutyl methyl ketone	e (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	
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)	
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)	
toluene (108-88-3)		
LD50 oral rat	5580 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: EU Method B.1 (Acute Toxicity (Oral)), 95% CL: 5300 - 5910	
LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit, Animal sex: male, 95% CL: 9,63 - 20,77	
LC50 Inhalation - Rat	25.7 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male, Experimental value, Inhalation (vapours))	
LC50 Inhalation - Rat (Vapours)	25.7 mg/l/4h (Equivalent or similar to OECD 403, 4 h, Rat, Male, Experimental value, Inhalation (vapours))	
reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (1065336-91-5)		
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,	

Safety Data Sheet

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))	
2-phenoxyethanol (122-99-6)		
LD50 oral rat	1850 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))	
LD50 dermal rat	14391 mg/kg bodyweight Animal: rat	
LD50 dermal rabbit	> 2214 mg/kg bodyweight Animal: rabbit, Guideline: other:Draft IRLG (Interagency Regulatory Liaison Group) Guidelines for Selected Acute Toxicity Tests (August. 1979)	
LC50 Inhalation - Rat	> 1 mg/l air Animal: rat, Guideline: other:OECD 412	
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)		
LD50 oral rat	> 3200 mg/kg	
LD50 dermal	> 1000 mg/kg (Guinea pig)	
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)	
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)	
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	
LC50 Inhalation - Rat (Vapours)	> 5 mg/l/4h	
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)	

Safety Data Sheet

ethylbenzene (100-41-4)	
LC50 Inhalation - Rat	17.8 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours))
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 :	0.23% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))
Skin corrosion/irritation :	Causes skin irritation.
, -	Causes serious eye irritation.
• •	May cause an allergic skin reaction.
,	Not classified
Carcinogenicity :	Suspected of causing cancer.
4-methylpentan-2-one; isobutyl methyl ketone	e (108-10-1)
IARC group	2B - Possibly carcinogenic to humans
Xylene (1330-20-7)	
IARC group	3 - Not classifiable
reaction mass of ethylbenzene, m-xylene and	p-xylene
IARC group	2B - Possibly carcinogenic to humans
ethylbenzene (100-41-4)	
IARC group	2B - Possibly carcinogenic to humans
Reproductive toxicity :	Not classified
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)
2-phenoxyethanol (122-99-6)	
LOAEL (animal/male, F1)	≈ 1875 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: other:Reproductive Assessment by Continuous Breeding (RACB); protocol devised by the NTP
LOAEL (animal/female, F1)	≈ 1875 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: other:Reproductive Assessment by Continuous Breeding (RACB); protocol devised by the NTP

Safety Data Sheet

2-phenoxyethanol (122-99-6)		
NOAEL (animal/female, F0/P)	≈ 1875 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: other:Reproductive Assessment by Continuous Breeding (RACB); protocol devised by the NTP	
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.	
n-butyl acetate (123-86-4)		
STOT-single exposure	May cause drowsiness or dizziness.	
4-methylpentan-2-one; isobutyl methyl ketone	e (108-10-1)	
STOT-single exposure	May cause drowsiness or dizziness.	
2-methoxypropyl acetate (70657-70-4)		
STOT-single exposure	May cause respiratory irritation.	
toluene (108-88-3)		
STOT-single exposure	May cause drowsiness or dizziness.	
dibutyltin dilaurate (77-58-7)		
STOT-single exposure	Causes damage to organs (thymus).	
Xylene (1330-20-7)		
STOT-single exposure	May cause respiratory irritation.	
reaction mass of ethylbenzene, m-xylene and	p-xylene	
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 :	May cause damage to organs through prolonged or repeated exposure.	
4-methylpentan-2-one; isobutyl methyl ketone	e (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)	
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)	

Safety Data Sheet

toluene (108-88-3)		
LOAEL (oral, rat, 90 days)	1250 mg/kg bodyweight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)	
NOAEL (oral, rat, 90 days)	625 mg/kg bodyweight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)	
NOAEC (inhalation, rat, vapour, 90 days)	2.355 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.	
dibutyltin dilaurate (77-58-7)		
STOT-repeated exposure	Causes damage to organs (thymus) through prolonged or repeated exposure.	
2-phenoxyethanol (122-99-6)		
LOAEL (oral, rat, 90 days)	> 700 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)	
LOAEL (dermal, rat/rabbit, 90 days)	> 500 mg/kg bodyweight Animal: rabbit	
NOAEL (oral, rat, 90 days)	700 mg/kg bodyweight/day	
NOAEL (dermal, rat/rabbit, 90 days)	500 mg/kg bodyweight Animal: rabbit	
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.0482 mg/l/6h/day	
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.	
reaction mass of ethylbenzene, m-xylene and	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.	
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)	

Safety Data Sheet

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

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 CRYSTAL CLEAR SCRATCH RESISTANT CLEARCOAT (2:1)	
Viscosity, kinematic	> 20.5 mm²/s

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

: Harmful to aquatic life with long lasting effects. Ecology - general

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

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

(chronic)			
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	e (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		
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'		
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)			
LC50 - Fish [1]	2.8 mg/l (96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Nominal concentration)		

Safety Data Sheet

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

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)				
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)			
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'			
reaction mass of ethylbenzene, m-xylene 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'			
hydrocarbons, C9, aromatics (64742-95-6)				
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'			
12.2 Persistence and degradability				

12.2. Persistence and degradability

n-butyl acetate (123-86-4)		
Persistence and degradability	Readily biodegradable in water.	

Safety Data Sheet

n-butyl acetate (123-86-4)			
ThOD	2.21 g O ₂ /g substance		
BOD (% of ThOD)	0.46		
4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)			
Persistence and degradability	Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water.		
Biochemical oxygen demand (BOD)	2.06 g O ₂ /g substance		
Chemical oxygen demand (COD)	2.16 g O ₂ /g substance		
ThOD	2.72 g O ₂ /g substance		
2-methoxy-1-methylethyl acetate (108-65-6)			
Persistence and degradability	Readily biodegradable in the soil. Readily biodegradable in water.		
Xylene (1330-20-7)			
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.		
hydrocarbons, C9, aromatics (64742-95-6)			
Persistence and degradability	Readily biodegradable in water.		
ethylbenzene (100-41-4)			
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.		
Biochemical oxygen demand (BOD)	1.44 g O ₂ /g substance		
Chemical oxygen demand (COD)	2.1 g O ₂ /g substance		
ThOD	3.17 g O ₂ /g substance		
12.3. Bioaccumulative potential			
n-butyl acetate (123-86-4)			
Partition coefficient n-octanol/water (Log Pow)	2.3 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)		
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).		
4-methylpentan-2-one; isobutyl methyl ketone	e (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).		
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	Sioaccumulative 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)		

Safety Data Sheet

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

Xylene (1330-20-7)				
BCF - Fish [1]	7.2 – 25.9 (56 day(s), Oncorhynchus mykiss, Flow-through system, Fresh water, Readacross)			
Partition coefficient n-octanol/water (Log Pow)	g 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

n-butyl acetate (123-86-4)			
61.3 mN/m (20 °C, 0.1 %, OECD 115: Surface Tension of Aqueous Solutions)			
1.268 – 1.844 (log Koc, SRC PCKOCWIN v2.0, Calculated value)			
Highly mobile in soil.			
e (108-10-1)			
No data available in the literature			
2.008 (log Koc, Weight of evidence, Calculated value)			
Low potential for adsorption in soil.			
29.4 mN/m (20 °C, 100 vol %, EU Method A.5: Surface tension)			
0.602 – 1.079 (log Koc, SRC PCKOCWIN v2.0, Calculated value)			
Highly mobile in soil.			
28.01 – 29.76 mN/m (25 °C)			
2.73 (log Koc, Equivalent or similar to OECD 121, Read-across)			
Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation.			
ethylbenzene (100-41-4)			
71.2 mN/m (23 °C, 0.058 g/l, EU Method A.5: Surface tension)			
2.71 (log Koc, PCKOCWIN v1.66, QSAR)			
Low potential for adsorption in soil. Toxic to soil organisms.			

Safety Data Sheet

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

12.5. Results of PBT and vPvB assessment

Component			
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		
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		
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		
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		
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		

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) : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information : Flammable vapours may accumulate in the container.

SECTION 14: Transport information

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

14.1. UN number or ID number

 UN-No. (ADR)
 : UN 1263

 UN-No. (IMDG)
 : UN 1263

 UN-No. (IATA)
 : UN 1263

 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)

Transport document description (IMDG)

Transport document description (IATA)

Transport document description (ADN)

Transport document description (ADN)

Transport document description (RID)

Transport document description (RID)

UN 1263 PAINT, 3, II

Transport document description (RID)

UN 1263 PAINT, 3, II

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 3

Safety Data Sheet

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

Danger labels (ADR) : 3



IMDG

Transport hazard class(es) (IMDG) : 3

Danger labels (IMDG) : 3



IATA

Transport hazard class(es) (IATA) : 3

Danger labels (IATA) : 3



ADN

Transport hazard class(es) (ADN) : 3
Danger labels (ADN) : 3



RID

Transport hazard class(es) (RID) : 3

Danger labels (RID)



14.4. Packing group

Packing group (ADR) : II
Packing group (IMDG) : II
Packing group (IATA) : II
Packing group (ADN) : II
Packing group (RID) : II

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, 640D, 650

Limited quantities (ADR) : 5I

Safety Data Sheet

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

Excepted quantities (ADR) : E2

Packing instructions (ADR) : P001, IBC02, R001

Special packing provisions (ADR) : PP1 : MP19 Mixed packing provisions (ADR) Portable tank and bulk container instructions (ADR) : T4

Portable tank and bulk container special provisions : TP1, TP8, TP28

(ADR)

: LGBF Tank code (ADR) Vehicle for tank carriage : FL Transport category (ADR) : 2 Special provisions for carriage - Operation (ADR) : S2, S20

Hazard identification number (Kemler No.) 33 :

Orange plates

33 1263

Tunnel restriction code (ADR) : D/E EAC code : •3YE

Transport by sea

Special provisions (IMDG) : 163, 367 Limited quantities (IMDG) : 5 L Excepted quantities (IMDG) : E2 Packing instructions (IMDG) : P001 Special packing provisions (IMDG) : PP1 IBC packing instructions (IMDG) : IBC02 Tank instructions (IMDG) : T4

Tank special provisions (IMDG) : TP1, TP8, TP28

EmS-No. (Fire) : F-E : S-E EmS-No. (Spillage) : B Stowage category (IMDG)

Properties and observations (IMDG) : Miscibility with water depends upon the composition.

Air transport

PCA Excepted quantities (IATA) : E2 PCA Limited quantities (IATA) : Y341 PCA limited quantity max net quantity (IATA) : 1L PCA packing instructions (IATA) : 353 PCA max net quantity (IATA) : 5L CAO packing instructions (IATA) : 364 CAO max net quantity (IATA) : 60L

: A3, A72, A192 Special provisions (IATA)

ERG code (IATA) : 3L

Inland waterway transport

Classification code (ADN) : F1

Special provisions (ADN) : 163, 367, 640D, 650

Limited quantities (ADN) : 5 L Excepted quantities (ADN) : E2 : PP, EX, A Equipment required (ADN) : VE01 Ventilation (ADN) Number of blue cones/lights (ADN) : 1

Rail transport

Classification code (RID)

Special provisions (RID) : 163, 367, 640D, 650

Limited quantities (RID) : 5L Excepted quantities (RID)

: P001, IBC02, R001 Packing instructions (RID)

Special packing provisions (RID) : PP1

Safety Data Sheet

Tank codes for RID tanks (RID)

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

Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T4

Portable tank and bulk container special provisions : TP1, TP8, TP28

(RID)

: LGBF

Transport category (RID) : 2
Colis express (express parcels) (RID) : CE7
Hazard identification number (RID) : 33

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 CRYSTAL CLEAR SCRATCH RESISTANT CLEARCOAT (2:1); Xylene; ethylbenzene; 2- methoxy-1-methylethyl acetate; isobutyl methyl ketone; reaction mass of ethylbenzene, m-xylene and p-xylene; n-butyl acetate; hydrocarbons, C9, aromatics	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		

Safety Data Sheet

EU restriction list (REACH Annex XVII)			
Reference code	Applicable on	Entry title or description	
3(b)	SYSTEM 20 CRYSTAL CLEAR SCRATCH RESISTANT CLEARCOAT (2:1); Xylene; ethylbenzene; isobutyl methyl ketone; reaction mass of ethylbenzene, m-xylene and p-xylene; n-butyl acetate; 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-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)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(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 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 CRYSTAL CLEAR SCRATCH RESISTANT CLEARCOAT (2:1); 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- 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)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	

Safety Data Sheet

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

EU restriction list (REACH Annex XVII)			
Reference code	Applicable on	Entry title or description	
40.	SYSTEM 20 CRYSTAL CLEAR SCRATCH RESISTANT CLEARCOAT (2:1); Xylene; ethylbenzene; 2- methoxy-1-methylethyl acetate; isobutyl methyl ketone; reaction mass of ethylbenzene, m-xylene and p-xylene; n-butyl acetate; hydrocarbons, C9, aromatics	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 % / SCL

Contains organic solvents (>= 1%)

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 : 519 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

Indication of changes			
Section	Changed item	Change	Comments
	Supersedes	Modified	
	Revision date	Modified	
1.2	Use of the substance/mixture	Added	
1.2	Function or use category	Modified	
1.2	Restrictions on use	Added	
1.2	Industrial/Professional use spec	Removed	
1.2	Main use category	Added	
2.1	Adverse physicochemical, human health and environmental effects	Modified	
2.2	Precautionary statements (CLP)	Modified	
4.1	First-aid measures after eye contact	Modified	
4.2	Symptoms/effects after eye contact	Added	
5.2	Fire hazard	Modified	
6.1	Emergency procedures	Modified	

Safety Data Sheet

Indication of changes			
Section	Changed item	Change	Comments
7.1	Precautions for safe handling	Modified	
9.2	VOC content	Modified	
10.1	Reactivity	Modified	
15.1	VOC content	Modified	
16	Abbreviations and acronyms	Added	

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	
IATA	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	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OEL	Occupational Exposure Limit	
PBT	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

Safety Data Sheet

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

Acute Tox. 4 (Inhalation)	Full text of H- and EUH-statements:		
Aquatic Acute 1 Hazardous to the aquatic environment — Acute Hazard, Category 1 Aquatic Chronic 1 Hazardous to the aquatic environment — Chronic Hazard, Category 2 Aquatic Chronic 2 Hazardous to the aquatic environment — Chronic Hazard, Category 2 Aquatic Chronic 3 Hazardous to the aquatic environment — Chronic Hazard, Category 3 Asp. Tox. 1 Aspiration hazard, Category 1 Carc. 2 Carcinogenicity, Category 2 Eye Irrit. 2 Serious eye damage/eye irritation, Category 2 Flam. Liq. 2 Flammable liquids, Category 3 Hazardous eye damage/eye irritation, Category 2 Flam. Liq. 3 Flammable liquids, Category 3 Hazardous eye damage/eye irritation, Category 2 Flam. Liq. 3 Flammable liquid and vapour. Hazardous eye damage/eye irritation, Category 3 Hazardous eye damage/eye irritation, Paramonal exposition, Paramonal expo			
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 Eye Irrit. 2 Serious eye damage/eye irritation, Category 2 Flam. Liq. 2 Flammable liquids, Category 3 Hazardous 1 Highly flammable liquids, Category 3 Hazardous 1 Highly flammable liquid and vapour. Hazardous 1 Harmful in contact with skin. Hazardous 1 Harmful in contact with skin. Hazardous 2 Harmful in contact with skin. Hazardous 2 Harmful ir inhaled. Hazardous 3 Harmful ir inhaled. Hazardous 3 Harmful ir inhaled. Hazardous 4 Harmful ir inhaled. Hazardous 5 Harmful ir inhaled. Hazardous 6 Harmful ir inhaled. Hazardous 7 Harmful ir inhaled. Hazardous 6 Harmful ir inhaled. Hazardous 7 Harmful ir inhaled. Hazardous 8 Harmful ir inhaled. Hazardous 9 Har	. ,		
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 Eye Irrit. 2 Sarious eye damage/eye irritation, Category 2 Flam. Liq. 2 Flammable liquids, Category 3 Flam. Liq. 3 Flammable liquids, Category 3 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H226 Flammable liquid and vapour. H3304 May be fatal if swallowed and enters airways. H311 Alarmful in contact with skin. H312 Alarmful in contact with skin. H313 Causes skin irritation. H314 Auguse an allergic skin reaction. H315 Causes serious eye irritation. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H337 May cause drowsiness or dizziness. H338 May cause drowsiness or dizziness. H3400 Very toxic to aquatic life. H4410 Toxic to aquatic life with long lasting effects. H4411 Toxic to aquatic life with long lasting effects. H4412 Harmful to aquatic life with long lasting effects. Skin Irrit. 2 Skin sens. 1A Skin sensitisation, category 1 Skin Sens. 1A Skocilitation, category 1 Skin Sens. 1A Skocilitation squatic contaction of the category 1 Skin Sens. 1A Specific target organ toxicity— Repeated exposure, Category 2			
Aquatic Chronic 3	Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1	
Asp. Tox. 1 Aspiration hazard, Category 1 Carc. 2 Carcinogenicity, Category 2 Eye Irrit. 2 Serious eye damage/eye irritation, Category 2 Flam. Liq. 2 Flammable liquids, Category 3 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. H333 Harmful if inhaled. H333 May cause drowsiness or dizziness. H336 May cause drowsiness or dizziness. H337 May cause drowsiness or dizziness. H338 Suspected of causing cancer. H379 May cause dromage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. Skin Irrit. 2 Skin corrosion/irritation, Category 2 Skin Sens. 1 Skin sensitisation, category 1A STOT RE 2 Specific target organ toxicity — Repeated exposure, Category 2	Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2	
Carc. 2 Carcinogenicity, Category 2 Eye Irrit. 2 Serious eye damage/eye irritation, Category 2 Flam. Liq. 2 Flammable liquids, Category 3 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. H333 May cause respiratory irritation. H336 May cause respiratory irritation. H337 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 with long lasting effects. 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 1A STOT RE 2 Specific target organ toxicity — Repeated exposure, Category 2	Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3	
Eye Irrit. 2 Serious eye damage/eye irritation, Category 2 Flam. Liq. 2 Flammable liquids, Category 3 H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H331 Suspected of causing cancer. H333 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. Skin Irrit. 2 Skin corrosion/irritation, Category 2 Skin Sens. 1 Skin sensitisation, category 1 Skin Sens. 1A Skin sensitisation, category 1A	Asp. Tox. 1	Aspiration hazard, Category 1	
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. H3304 May be fatal if swallowed and enters airways. H311 Harmful in contact with skin. H312 Harmful in contact with skin. H313 Causes skin irritation. H314 May cause an allergic skin reaction. H315 May cause an allergic skin reaction. H316 May cause respiratory irritation. H332 Harmful if inhaled. H333 May cause drowsiness or dizziness. H336 May cause drowsiness or dizziness. H337 May cause drowsiness or dizziness. H340 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. Skin Irrit. 2 Skin sensitisation, Category 1 Skin Sens. 1 Skin sensitisation, category 1A STOT RE 2 Specific target organ toxicity — Repeated exposure, Category 2	Carc. 2	Carcinogenicity, 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. H339 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause respiratory irritation. H337 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 with long lasting effects. H410 Toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. Skin Irrit. 2 Skin corrosion/irritation, Category 2 Skin Sens. 1 Skin sensitisation, Category 1 Skin Sens. 1A Skin sensitisation, category 1A STOT RE 2 Specific target organ toxicity — Repeated exposure, Category 2	Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. 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. H333 May cause respiratory irritation. H336 May cause respiratory irritation. H337 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 Toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. Skin Irrit. 2 Skin corrosion/irritation, Category 2 Skin Sens. 1 Skin sensitisation, category 1A STOT RE 2 Specific target organ toxicity — Repeated exposure, Category 2	Flam. Liq. 2	Flammable liquids, Category 2	
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. H333 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. H411 Toxic to aquatic life with long lasting effects. H412 Skin Irrit. 2 Skin corrosion/irritation, Category 2 Skin Sens. 1 Skin sensitisation, Category 1A STOT RE 2 Specific target organ toxicity — Repeated exposure, Category 2	Flam. Liq. 3	Flammable liquids, Category 3	
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. H331 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. H411 Toxic to aquatic life with long lasting effects. Skin Irrit. 2 Skin corrosion/irritation, Category 2 Skin Sens. 1 Skin sensitisation, Category 1 Skin Sens. 1A Skin sensitisation, category 1A STOT RE 2 Specific target organ toxicity — Repeated exposure, Category 2	H225	Highly flammable liquid and vapour.	
Harmful in contact with skin. Harmful in causes skin irritation. Harmful if inhaled. Harmful in cause respiratory irritation. Harmful in cause of dizziness. Harmful in cause of dizzi	H226	Flammable liquid and vapour.	
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. H336 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. 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	H304	May be fatal if swallowed and enters airways.	
H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. 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. 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 1A SKIN Sens. 1A Skin sensitisation, category 1A STOT RE 2 Specific target organ toxicity — Repeated exposure, Category 2	H312	Harmful in contact with skin.	
H319 Causes serious eye irritation. H332 Harmful if inhaled. 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. 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	H315	Causes skin 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. 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	H317	May cause an allergic skin reaction.	
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. 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	H319	Causes serious eye 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. 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	H332	Harmful if inhaled.	
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. 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	H335	May cause respiratory irritation.	
H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. 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	H336	May cause drowsiness or dizziness.	
H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. 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	H351	Suspected of causing cancer.	
H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. 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	H373	May cause damage to organs through prolonged or repeated exposure.	
H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. 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	H400	Very toxic to aquatic life.	
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	H410	Very toxic to aquatic life with long lasting effects.	
Skin Irrit. 2 Skin corrosion/irritation, Category 2 Skin Sens. 1 Skin sensitisation, Category 1 Skin Sens. 1A Skin sensitisation, category 1A STOT RE 2 Specific target organ toxicity — Repeated exposure, Category 2	H411	Toxic to aquatic life with long lasting effects.	
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	H412	Harmful to aquatic life with long lasting effects.	
Skin Sens. 1A Skin sensitisation, category 1A STOT RE 2 Specific target organ toxicity — Repeated exposure, Category 2	Skin Irrit. 2	Skin corrosion/irritation, Category 2	
STOT RE 2 Specific target organ toxicity — Repeated exposure, Category 2	Skin Sens. 1	Skin sensitisation, Category 1	
	Skin Sens. 1A	Skin sensitisation, category 1A	
STOT SE 3 Specific target organ toxicity — Single exposure, Category 3, Narcosis	STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2	
	STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis	

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