

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Product Reference code:according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 2015/830 SDS Ref. (EU): MXMFH-SDS Issue date: 28/09/2022 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking					
1.1. Product iden	tifier				
Product form Trade name Product code Type of product Product group		 Mixture MAXIMUM FAST HARDENER MXMFH/25 Hardener 2K Hardener 			
1.2. Relevant ide	ntified uses of the substan	ce or mix	ture and uses advised aga	inst	
Main use category Use of the substance	I.2.1. Relevant identified uses Main use category : Industrial use,Professional use Jse of the substance/mixture : Coatings and paints, thinners, paint removers Function or use category : Hardener (Crosslinker)				
1.2.2. Uses advised Restrictions on use	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					
ManufacturerImporterU-POL Limited LtdU-POL Netherlands B.V. B.V.Denington RoadHoorgoorddreef 15GB- NN8 2QH Wellingborough - NorthamptonshireNL- 1101BA AmsterdamUnited KingdomNetherlandsT +44 (0) 1933 230310T +31 20 240 2216technicalsupport@u-pol.com - www.u-pol.comtechnicalsupport@u-pol.com - www.u-pol.com1.4. Emergency telephone numberUnited Support@u-pol.com - www.u-pol.com					
Country	Organisation/Company		Address	Emergency number	Comment

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

|--|

Classification according to Regulation (EC) No. 1272/2008 [CLP]	
Flammable liquids, Category 3	H226
Acute toxicity (inhalation:vapour) Category 4	H332
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Skin sensitisation, Category 1	H317
Specific target organ toxicity — Single exposure, Category 3, Narcosis	H336

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Specific target organ toxicity — Single exposure, Category 3, Respiratory	H335
tract irritation	
Specific target organ toxicity — Repeated exposure, Category 2	H373
Aspiration hazard, Category 1	H304
Full text of H- and EUH-statements: see section 16	

Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. May cause damage to organs through prolonged or repeated exposure. May cause drowsiness or dizziness. Harmful if inhaled. May cause respiratory irritation. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May be fatal if swallowed and enters airways.

LIL: LUBOI OICHIOIICO	2.2.	Lal	bel	e	em	ents
-----------------------	------	-----	-----	---	----	------

Labelling according to Regulation (EC) No.	1272/2008 [CLP]
Hazard pictograms (CLP)	
Signal word (CLP)	GHS02 GHS07 GHS08 : Danger
Contains	 n-butyl acetate, solvent naphtha (petroleum), light aromatic, hexamethylene diisocyanate oligomers, Xylene, ethylbenzene
Hazard statements (CLP)	 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. H373 - May cause damage to organs through prolonged or repeated exposure.
Precautionary statements (CLP)	 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing fume, vapours, spray. P280 - Wear face protection, protective clothing, protective gloves. P301+P310 - IF SWALLOWED: Immediately call a doctor. P331 - Do NOT induce vomiting. P403+P235 - Store in a well-ventilated place. Keep cool.
2.3. Other hazards	

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

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- 29	< 50	Flam. Liq. 3, H226 STOT SE 3, H336

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
hexamethylene diisocyanate oligomers	CAS-No.: 28182-81-2 EC-No.: 500-060-2 REACH-no: 01-2119485796- 17	< 50	Acute Tox. 4 (Inhalation:vapour), H332 Skin Sens. 1, H317 STOT SE 3, H335
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	20 – 25	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	5 – 10	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Asp. Tox. 1, H304
solvent naphtha (petroleum), light aromatic (Note H)(Note 5)(Note P)	CAS-No.: 64742-95-6 EC-No.: 265-199-0 EC Index-No.: 649-356-00-4 REACH-no: 01-2119455851- 35	< 2.5	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

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

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

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

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

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

SECTION 4: First aid measures

4.1. Description of first aid measures	3
First-aid measures general	: Call a physician immediately.
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	: Do not induce vomiting. Call a physician immediately.
4.2. Most important symptoms and e	ffects, 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.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Symptoms/effects after eye contact	:	Eye irritation.
Symptoms/effects after ingestion	:	Risk of lung oedema.

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 subst	tance or mixture				
Fire hazard Hazardous decomposition products in case of fire	Flammable liquid and vapour.Toxic fumes may be released.				
5.3. Advice for firefighters					
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.				

SECTION 6: Accidental release measures		
6.1. Personal precautions, protective e	quipment and emergency procedures	
6.1.1. For non-emergency personnel		
Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe fume, spray, vapours. 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".	

Avoid release to the environment.		
6.3. Methods and material for containm	ent and cleaning up	
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.

6.2. Environmental precautions

SECTION 7: Handling and storag	e
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 fume, spray, vapours. 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 Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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.

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/m ³
IOEL TWA [ppm]	50 ppm
IOEL STEL	723 mg/m ³
IOEL STEL [ppm]	150 ppm
Regulatory reference	COMMISSION DIRECTIVE (EU) 2019/1831
Ireland - Occupational Exposure Limits	
Local name	Butyl acetate
OEL TWA [1]	710 mg/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
Xylene (1330-20-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Xylene, mixed isomers, pure
IOEL TWA	221 mg/m ³
IOEL TWA [ppm]	50 ppm
IOEL STEL	442 mg/m ³
IOEL STEL [ppm]	100 ppm
Remark	Skin

Safety Data Sheet

Xylene (1330-20-7)		
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	
Ireland - Occupational Exposure Limits		
Local name	Xylene, mixed isomers	
OEL TWA [1]	221 mg/m ³	
OEL TWA [2]	50 ppm	
OEL STEL	442 mg/m ³	
OEL STEL [ppm]	100 ppm	
Remark	Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values)	
Regulatory reference	Chemical Agents Code of Practice 2020	
Ireland - Biological limit values		
Local name	Xylene	
BLV	1.5 g/g creatinine Parameter: methylhippuric acids - Medium: urine - Sampling time: End of Shift	
Regulatory reference	Biological Monitoring Guidelines (HSA, 2011)	
United Kingdom - Occupational Exposure Limits		
Local name	Xylene	
WEL TWA (OEL TWA) [1]	220 mg/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/m ³	
IOEL TWA [ppm]	100 ppm	
IOEL STEL	884 mg/m ³	
IOEL STEL [ppm]	200 ppm	
Remark	Skin	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

ethylbenzene (100-41-4)		
Ireland - Occupational Exposure Limits		
Local name	Ethylbenzene	
OEL TWA [1]	442 mg/m ³	
OEL TWA [2]	100 ppm	
OEL STEL	884 mg/m³	
OEL STEL [ppm]	200 ppm	
Remark	Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values)	
Regulatory reference	Chemical Agents Code of Practice 2020	
Ireland - Biological limit values		
Local name	Ethyl benzene	
BLV	0.7 g/g creatinine Parameter: mandelic acid and phenylglyoxylic acid - Medium: urine - Sampling time: End of shift at end of workweek - Notations: Ns (Non-specific), Sq (Semi- quantitative) Parameter: ethylbenzene - Medium: end-exhaled air - Sampling time: Not critical - Notations: Sq (Semi-quantitative)	
Regulatory reference	Biological Monitoring Guidelines (HSA, 2011)	
United Kingdom - Occupational Exposure Limits		
Local name	Ethylbenzene	
WEL TWA (OEL TWA) [1]	441 mg/m ³	
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

n-butyl acetate (123-86-4)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	11 mg/kg bw/day
Acute - systemic effects, inhalation	600 mg/m³
Acute - local effects, inhalation	600 mg/m³
Long-term - systemic effects, dermal	11 mg/kg bw/day
Long-term - systemic effects, inhalation	300 mg/m ³
Long-term - local effects, inhalation	300 mg/m ³

Safety Data Sheet

n-butyl acetate (123-86-4)		
DNEL/DMEL (General population)		
Acute - systemic effects, dermal	6 mg/kg bw/day	
Acute - systemic effects, inhalation	300 mg/m ³	
Acute - systemic effects, oral	2 mg/kg bw/day	
Acute - local effects, inhalation	300 mg/m ³	
Long-term - systemic effects,oral	2 mg/kg bw/day	
Long-term - systemic effects, inhalation	35.7 mg/m ³	
Long-term - systemic effects, dermal	6 mg/kg bw/day	
Long-term - local effects, inhalation	35.7 mg/m³	
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	
solvent naphtha (petroleum), light aromatic (6	4742-95-6)	
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	25 mg/kg bodyweight/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, dermal	11 mg/kg bodyweight/day	
hexamethylene diisocyanate oligomers (2818)	2-81-2)	
DNEL/DMEL (Workers)		
Acute - local effects, inhalation	0.5	
Long-term - local effects, inhalation	1 mg/m ³	
PNEC (Water)		
PNEC aqua (freshwater)	0.127 mg/l	
PNEC aqua (marine water)	0.0127 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	266701 mg/kg dwt	
PNEC sediment (marine water)	26670 mg/kg dwt	

Safety Data Sheet

hexamethylene diisocyanate oligomers (2818)	2-81-2)	
PNEC (Soil)		
PNEC soil	53183 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	88 mg/l	
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	
Long-term - systemic effects, inhalation	77 mg/m³	
Long-term - 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,oral	1.6 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	14.8 mg/m ³	
Long-term - systemic effects, dermal	108 mg/kg bodyweight/day	
Long-term - local effects, inhalation	65.3 mg/m³	
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)		
PNEC sediment (freshwater)	12.46 mg/kg dwt	
PNEC sediment (marine water)	12.46 mg/kg dwt	
PNEC (Soil)		
PNEC soil	2.31 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	6.58 mg/l	
ethylbenzene (100-41-4)	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	

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

ethylbenzene (100-41-4)	
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

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

8.2.2.3. Respiratory protection

Respiratory protection: [In case of inadequate ventilation] wear respiratory protection.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

VOC content

: 654

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

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

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

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

Safety Data Sheet

SECTION 11: Toxicological information	
11.1 Information on toxicological effects	
Acute toxicity (oral):Acute toxicity (dermal):Acute toxicity (inhalation):	Not classified Not classified Harmful if inhaled.
MAXIMUM FAST HARDENER	
ATE CLP (vapours)	17.334 mg/l/4h
hexamethylene-di-isocyanate (822-06-0)	
LD50 oral rat	746 mg/kg (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 7000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	0.124 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), 95% CL: 111 - 140
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))
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)
solvent naphtha (petroleum), light aromatic (64742-95-6)
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 3160 mg/kg (OECD Test Guideline 402)
LC50 Inhalation - Rat (Vapours)	> 6.193 mg/l/4h (4 h, OECD Test Guideline 403, vapours)
hexamethylene diisocyanate oligomers (2818	32-81-2)
LD50 oral rat	> 2500 mg/kg (OECD Test Guideline 423, rat, female)
LD50 dermal rat	> 2000 mg/kg (OECD Test Guideline 402, rat, male/female)
LC50 Inhalation - Rat (Dust/Mist)	0.39 mg/l/4h (OECD Test Guideline 403, rat, female, inhalation, dust/mist)
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)
ethylbenzene (100-41-4)	
LD50 oral rat	3500 mg/kg (Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	15432 mg/kg bodyweight (24 h, Rabbit, Male, Experimental value, Dermal)
LC50 Inhalation - Rat	17.8 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours))

Safety Data Sheet

Serious eye damage/iritation : Causes serious eye iritation. Respiratory or skin sensitisation : Moy cause an allergic skin reaction. Gern cell mutagenicity : Not classified Zarcinogenicity : Not classified Xylene (1300-20-7) IARC group IARC group 3 - Not classified ethylbenzene (100-41-4) IARC group ARC group 2B - Possibly carcinogenic to humans Reproductive toxicity : Not classified dbutyltin dilaurate (77-58-7) IARC (Reproduction / Developmental Toxicity Screening Test) NOAEL (animal/male, F0/P) 1.9 – 2.3 mg/kg bod/weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test) STOT-single exposure : May cause drowsiness or dizziness. May cause respiratory irritation. hexamethylene-di-lisocyanate (822-06-0) May cause drowsiness or dizziness. May cause respiratory irritation. rbutyl actate (123-86-4) May cause drowsiness or dizziness. May cause respiratory irritation. fort-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. hexamethylene dilisocyanate oligomers (2812-21-55-5) Stot-single exposure fort-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. hexamethylene dilisocyanate oligomers (2812-81-2) Stot-single exposure fort-single exposure <th>dibutyltin dilaurate (77-58-7)</th> <th></th>	dibutyltin dilaurate (77-58-7)	
Toxicity, Sudialine: EU Mathod B.3 (Acute Toxicity (Dermal)) Skin corrosolvitation Causes serious eve initation. Skinos syg damaga/irititation Causes serious eve initation. Respiratory or skin sensitisation May cause an allergic skin irreaction. Germ call mulaganicity Not classified Xylane (1330-20-7) IARC group 3. Not classified KRC group 28 - Possibly cardinogenic to humans Reproductive toxicity RARC group 28 - Possibly cardinogenic to humans Reproductive toxicity RARC group 28 - Possibly cardinogenic to humans Reproductive toxicity Not classified dibutyttin dilaurate (77-58-7) IAP - 2.4 mg/tg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test) NOAEL (arimal/male, FOP) 17 - 2.4 mg/tg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test) STOT-single exposure May cause respiratory irritation. n-butytacetate (123-64-0) IX - 24 mg/tg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test) STOT-single exposure May cause respiratory irritation. n-but	LD50 oral rat	
Seriose ye damage/intation : Causes serious eye intitation. Respiratory or skin sensitistion : Mor cause an allergic skin reaction. Gerin cell mulage/inity : Nort classified Xylene (1330-20-7) : Also classifiable atRC group 3 - Not classifiable ethylbenzene (100-41-4) : Nort classified ARC group 2B - Possibly cardinogenic to humans Reproductive toxicity : Nort classified diburytin dilaurate (77-58-7) : Nort classified NAEL (animal/male, FOP) : 19 - 2.3 mg/k bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline also (12) (12) (12) (12) (12) (12) (12) (12)	LD50 dermal rat	
Respiratory or skin sensitization : Mot classified Carcinogenicity : Not classified Zarcinogenicy : Not classified Zarcinogenicy : So to classified Zarcinogenicy : So to classified Carcinogenicy : So to classified So to classified exposure : So classified exposure (stato exposure) So to classified exposure : May classe drowsiness or dizziness. May cause respiratory irritation. Postargene exposure : May classe drowsiness or dizziness. May cause respiratory irritation. So To -single exposure : May cause respiratory irritation. Postargene	Skin corrosion/irritation	
Germ and mutagenicity i. Not classified Carcinogenicity i. Not classified Carcinogenicity 3 - Not classified RAC group 3 - Not classified ethylbenzene (100-41-4) I. Alex group RAC group 28 - Possibly carcinogenic to humans Reproductive toxicity i. Not classified dbutyttin dilaurate (77-58-7) I. Se - 2.3 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test) NOAEL (animal/male, FO/P) 1.9 - 2.3 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test) NOAEL (animal/male, FO/P) 4.9 - 2.4 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test) STOT-single exposure May cause drowsiness or dizziness. May cause repiratory irritation. hexamethylen-di-Isocyanate (822-06-0) May cause drowsiness or dizziness. STOT-single exposure May cause drowsiness or dizziness. STOT-single exposure May cause repiratory irritation. hexamethylen-di-Isocyanate (822-06-0) May cause respiratory irritation. STOT-single exposure May cause respiratory irritation. <t< td=""><td></td><td></td></t<>		
Carcinogenicity : Not classified Xylenc (1330-20-7) IARC group 3 Not classifiable athylbenzene (100-41-4) IARC group 28- Possibly carcinogenic to humans Raproductive toxicity Note Note Classified dibutyltin dilaurate (77-58-7) NOAEL (animal/male, FO/P) 1-0_3 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test) NOAEL (animal/male, FO/P) 1-7_2.4 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test) NOAEL (animal/male, FO/P) 1-7_2.4 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test) NOAEL (animal/male, FO/P) 2-3 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test) NOAEL (animal/male, FO/P) 2-3 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test) NOAEL (animal/male, FO/P) 2-3 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test) NOAEL (animal/male, FO/P) 2-3 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test) STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. hexamethylene-dlisocyanate oligomers (2¥-295-6) STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. hexamethylene dlisocyanate oligomers (2¥-295-6) STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. hexamethylene dlisocyanate oligomers (2¥-295-6) STOT-single exposure May cause dromsines or dizziness. May cause respiratory irritation. hexamethylene dlisocyanate oligomers (2¥-295-6) STOT-single exposure May cause dromsines or dizziness. May cause respiratory irritation. STOT-single exposure May cau		· -
Xylene (1330-20-7) IARC group 3 - Not classifiable ethylbenzene (100-41-4) IARC group ZB - Possibly carcinogenic to humans Reproductive toxicity : Not classified dibutyltin dilaurate (77-58-7) INOAEL (animal/male, FO(P) NAEL (animal/male, FO(P) 1.9 – 2.3 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test) NOAEL (animal/male, FO(P) 1.7 – 2.4 mg/kg bodyweight Animal: rat, Animal sex: forelae, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test) STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. hexamethylene-di-isocyanate (822-06-0) STOT-single exposure STOT-single exposure May cause drowsiness or dizziness. solvent naphtha (petroleum), light aromatic (64742-95-6) STOT-single exposure STOT-single exposure May cause respiratory irritation. hexamethylene dilisocyanate oligomers (28182-81-2) STOT-single exposure STOT-single exposure May cause respiratory irritation. Xylene (1330-20-7) STOT-single exposure May cause damage to organs (thymus). STOT-ingele exposure May cause damage to organs through prolonged or repeated exposure. Xylene		
ethylbezzene (100-41-4) IARC group 2B - Possibly cardinogenic 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/male, F0/P) 1.7 - 2.4 mg/kg bodyweight Animal: rat, Animal sex: temale, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test) STOT-single exposure : May cause drowsiness or dizziness. May cause respiratory irritation. hexamethylene-di-isocyanate (822-06-0) : STOT-single exposure STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. n-butyl acctate (123-86-4) : StOT-single exposure STOT-single exposure May cause drowsiness or dizziness. solvent naphtha (petroleum), light aromatic (64742-95-6) : StOT-single exposure STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. hexamethylene diisocyanate oligomers (28182-81-2) : StOT-single exposure STOT-single exposure May cause respiratory irritation. Xylene (1330-20-7) : Causes damage to organs (thymus). STOT-single exposure Kay c		
IARC group 2B - Possibly cardinogenic 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/male, F0/P) 1.7 - 2.4 mg/kg bodyweight Animal: rat, Animal sex: temale, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test) STOT-single exposure : May cause drowsiness or dizziness. May cause respiratory irritation. hexamethylene-di-isocyanate (822-06-0) : STOT-single exposure STOT-single exposure May cause respiratory irritation. n-butyl acctate (123-86-4) : STOT-single exposure STOT-single exposure May cause drowsiness or dizziness. solvent naphtha (petroleum), light aromatic (64742-95-6) : STOT-single exposure STOT-single exposure May cause respiratory irritation. hexamethylene diisocyanate oligomers (28182-81-2) : STOT-single exposure STOT-single exposure May cause respiratory irritation. Xylene (1330-20-7) : STOT-single exposure STOT-single exposure Causes damage to organs (thymus). STOT-single exposure Way cause drogen to organs through prolonged or repeated exposure.	IARC group	3 - Not classifiable
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: male, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test) STOT-single exposure : May cause drowsiness or dizziness. May cause respiratory irritation. hexamethylene-di-isocyanate (822-06-0) STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. n-butyl acetate (122-86-4) STOT-single exposure STOT-single exposure May cause drowsiness or dizziness. solvent naphtha (petroleum), light aromatic (64742-95-6) STOT-single exposure STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. hexamethylene diisocyanate oligomers (28182-81-2) STOT-single exposure STOT-single exposure May cause respiratory irritation. Xylene (1330-20-7) STOT-single exposure STOT-single exposure Causes damage to organs through prolonged or repeated exposure. Xylene (1330-20-7) LOAEL (oral, rat, 90 days) STOT-repeated exposure May caus	ethylbenzene (100-41-4)	
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/male, F0/P) 1.7 – 2.4 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test) STOT-single exposure : May cause drowsiness or dizziness. May cause respiratory irritation. hexamethylene-di-isocyanate (822-06-0) STOT-single exposure STOT-single exposure May cause drowsiness or dizziness. n-butyl acetate (123-86-4) STOT-single exposure STOT-single exposure May cause drowsiness or dizziness. solvent naphtha (petroleum), light aromatic (64742-95-6) STOT-single exposure STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. hexamethylene diisocyanate oligomers (28182-81-2) STOT-single exposure STOT-single exposure May cause respiratory irritation. Xylene (130-20-7) STOT-single exposure STOT-single exposure Causes damage to organs (thymus). STOT-repeated exposure Causes damage to organs through prolonged or repeated exposure. Xylene (1330-20-7) I50 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day	IARC group	2B - Possibly carcinogenic to humans
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) STOT-single exposure : May cause drowsiness or dizziness. May cause respiratory irritation. hexamethylene-di-isocyanate (822-06-0) STOT-single exposure STOT-single exposure May cause respiratory irritation. n-butyl acetate (123-86-4) STOT-single exposure STOT-single exposure May cause drowsiness or dizziness. solvent naphtha (petroleum), light aromatic (64742-95-6) STOT-single exposure STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. hexamethylene diisocyanate oligomers (28182-81-2) STOT-single exposure STOT-single exposure May cause respiratory irritation. Xylene (1330-20-7) STOT-single exposure STOT-single exposure Causes damage to organs (thymus). STOT-repeated exposure Kay cause damage to organs (thymus). STOT-repeated exposure Iso mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity) STOT-repeated exposure <t< td=""><td>Reproductive toxicity</td><td>: Not classified</td></t<>	Reproductive toxicity	: Not classified
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) STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. hexamethylene-di-isocyanate (822-06-0) May cause respiratory irritation. STOT-single exposure May cause drowsiness or dizziness. n-butyl acetate (123-86-4) Stot-single exposure STOT-single exposure May cause drowsiness or dizziness. solvent naphtha (petroleum), light aromatic (64742-95-6) Stot-single exposure STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. hexamethylene diisocyanate oligomers (28182-81-2) Stot-single exposure Stot-single exposure May cause respiratory irritation. Xylene (1330-20-7) Stot-single exposure Stot-single exposure May cause damage to organs (thymus). Stot-single exposure Causes damage to organs (thymus). Stot-single exposure May cause damage to organs (thymus). Stot-single exposure Kay cause damage to organs (thymus). Stot-single exposure Iso mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated	dibutyltin dilaurate (77-58-7)	
421 (Reproduction / Developmental Toxicity Screening Test) STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. hexamethylene-di-isocyanate (822-06-0) May cause respiratory irritation. STOT-single exposure May cause drowsiness or dizziness. n-butyl acetate (123-86-4) STOT-single exposure STOT-single exposure May cause drowsiness or dizziness. solvent naphtha (petroleum), light aromatic (64742-95-6) STOT-single exposure STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. hexamethylene diisocyanate oligomers (28182-81-2) STOT-single exposure STOT-single exposure May cause respiratory irritation. Xylene (1330-20-7) STOT-single exposure STOT-single exposure May cause respiratory irritation. dibutyltin dilaurate (77-58-7) STOT-single exposure STOT-repeated exposure Causes damage to organs (thymus). STOT-repeated exposure Iso 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 in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity) STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure. Xylene (1330-20-	NOAEL (animal/male, F0/P)	
hexamethylene-di-isocyanate (822-06-0) STOT-single exposure May cause respiratory irritation. n-butyl acetate (123-86-4) STOT-single exposure May cause drowsiness or dizziness. solvent naphtha (petroleum), light aromatic (64742-95-6) STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. hexamethylene diisocyanate oligomers (28182-81-2) STOT-single exposure May cause respiratory irritation. Xylene (1330-20-7) STOT-single exposure May cause respiratory irritation. Xylene (1330-20-7) STOT-single exposure May cause respiratory irritation. STOT-single exposure May cause domage to organs (thymus). STOT-single exposure Causes damage to organs (thymus). STOT-repeated exposure : May cause damage to organs (thymus). STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure. Xylene (1330-20-7) LOAEL (oral, rat, 90 days) 150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity) STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure. Kylene (100-41-4) May cause damage to organs through prolonged or repeated	NOAEL (animal/female, F0/P)	
STOT-single exposure May cause respiratory irritation. n-butyl acetate (123-86-4) STOT-single exposure STOT-single exposure May cause drowsiness or dizziness. solvent naphtha (petroleum), light aromatic (64742-95-6) STOT-single exposure STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. hexamethylene diisocyanate oligomers (28182-81-2) STOT-single exposure STOT-single exposure May cause respiratory irritation. Xylene (1330-20-7) STOT-single exposure STOT-single exposure May cause respiratory irritation. dibutyltin dilaurate (77-58-7) STOT-single exposure STOT-single exposure Causes damage to organs (thymus). STOT-repeated exposure Vay cause damage to organs (thymus). STOT-single exposure May cause damage to organs through prolonged or repeated exposure. Xylene (1330-20-7) LOAEL (oral, rat, 90 days) 150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity) STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure. ethylbenzene (100-41-4) May cause damage to organs through prolonged or repeated exposure. NOAEL (o	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. solvent naphtha (petroleum), light aromatic (64742-95-6) STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. hexamethylene diisocyanate oligomers (28182-81-2) STOT-single exposure May cause respiratory irritation. Xylene (1330-20-7) STOT-single exposure May cause respiratory irritation. dibutyltin dilaurate (77-58-7) STOT-single exposure Causes damage to organs (thymus). STOT-repeated exposure : May cause drowsinest organs through prolonged or repeated exposure. Xylene (1330-20-7) : Stor repeated exposure STOT-single exposure : May cause damage to organs (thymus). STOT-single exposure : May cause damage to organs through prolonged or repeated exposure. Xylene (1330-20-7) : LOAEL (oral, rat, 90 days) 150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity) STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure. ethylbenzene (100-41-4) May cause damage to organs through prolonged or repeated exposure. MOAEL (oral, rat, 90 days)	hexamethylene-di-isocyanate (822-06-0)	
STOT-single exposure May cause drowsiness or dizziness. solvent naphtha (petroleum), light aromatic (64742-95-6) STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. hexamethylene diisocyanate oligomers (28182-81-2) STOT-single exposure May cause respiratory irritation. Xylene (1330-20-7) STOT-single exposure STOT-single exposure May cause respiratory irritation. dibutyltin dilaurate (77-58-7) STOT-single exposure STOT-single exposure Causes damage to organs (thymus). STOT-repeated exposure May cause drowsinest or dizzinest. Xylene (1330-20-7) UAR Cause damage to organs through prolonged or repeated exposure. Xylene (1330-20-7) LOAEL (oral, rat, 90 days) 150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity) STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure. Xylene (130-41-4) NOAEL (oral, rat, 90 days) NOAEL (oral, rat, 90 days) 75 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)	STOT-single exposure	May cause respiratory irritation.
solvent naphtha (petroleum), light aromatic (64742-95-6) STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. hexamethylene diisocyanate oligomers (28182-81-2) STOT-single exposure May cause respiratory irritation. Xylene (1330-20-7) STOT-single exposure May cause respiratory irritation. dibutyltin dilaurate (77-58-7) STOT-single exposure Causes damage to organs (thymus). STOT-single exposure Causes damage to organs through prolonged or repeated exposure. Xylene (1330-20-7) Ioo 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. Xylene (1330-20-7) Ioo 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. 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)	n-butyl acetate (123-86-4)	
STOT-single exposureMay cause drowsiness or dizziness. May cause respiratory irritation.hexamethylene diisocyanate oligomers (28182-81-2)STOT-single exposureMay cause respiratory irritation.Xylene (1330-20-7)STOT-single exposureSTOT-single exposureMay cause respiratory irritation.dibutyltin dilaurate (77-58-7)STOT-single exposureSTOT-single exposureCauses damage to organs (thymus).STOT-repeated exposureMay cause damage to organs through prolonged or repeated exposure.Xylene (1330-20-7)Ifo 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 exposureMay cause damage to organs through prolonged or repeated exposure.Kylene (100-41-4)May cause damage to organs through prolonged or repeated exposure.ethylbenzene (100-41-4)T5 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)NOAEL (oral, rat, 90 days)75 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)	STOT-single exposure	May cause drowsiness or dizziness.
hexamethylene diisocyanate oligomers (28182-81-2) STOT-single exposure May cause respiratory irritation. Xylene (1330-20-7) STOT-single exposure May cause respiratory irritation. dibutyltin dilaurate (77-58-7) STOT-single exposure Causes damage to organs (thymus). STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure. Xylene (1330-20-7) LOAEL (oral, rat, 90 days) 150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity) STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure. ethylbenzene (100-41-4) May cause damage to organs through prolonged or repeated exposure. NOAEL (oral, rat, 90 days) 75 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)	solvent naphtha (petroleum), light aromatic	; (64742-95-6)
STOT-single exposure May cause respiratory irritation. Xylene (1330-20-7) STOT-single exposure STOT-single exposure May cause respiratory irritation. dibutyltin dilaurate (77-58-7) STOT-single exposure STOT-repeated exposure Causes damage to organs (thymus). STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure. Xylene (1330-20-7) LOAEL (oral, rat, 90 days) 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. ethylbenzene (100-41-4) NOAEL (oral, rat, 90 days) NOAEL (oral, rat, 90 days) 75 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)	STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.
Xylene (1330-20-7) May cause respiratory irritation. dibutyltin dilaurate (77-58-7) STOT-single exposure STOT-single exposure Causes damage to organs (thymus). STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure. Xylene (1330-20-7) LOAEL (oral, rat, 90 days) 150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity) STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure. 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)	hexamethylene diisocyanate oligomers (28	182-81-2)
STOT-single exposure May cause respiratory irritation. dibutyltin dilaurate (77-58-7) STOT-single exposure STOT-single exposure Causes damage to organs (thymus). STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure. Xylene (1330-20-7) LOAEL (oral, rat, 90 days) 150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity) STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure. 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-single exposure	May cause respiratory irritation.
dibutyltin dilaurate (77-58-7) STOT-single exposure Causes damage to organs (thymus). STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure. Xylene (1330-20-7) ISO 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. ethylbenzene (100-41-4) NOAEL (oral, rat, 90 days) NOAEL (oral, rat, 90 days) 75 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)	Xylene (1330-20-7)	
STOT-single exposure Causes damage to organs (thymus). STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure. Xylene (1330-20-7) LOAEL (oral, rat, 90 days) 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. ethylbenzene (100-41-4) NOAEL (oral, rat, 90 days) NOAEL (oral, rat, 90 days) 75 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)	STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure. Xylene (1330-20-7)	dibutyltin dilaurate (77-58-7)	
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. 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-single exposure	Causes damage to organs (thymus).
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 exposureMay cause damage to organs through prolonged or repeated exposure.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 through prolonged or repeated exposure.
(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. 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)		
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)	LOAEL (oral, rat, 90 days)	(Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral
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 through prolonged or repeated exposure.
Day Oral Toxicity in Rodents)	ethylbenzene (100-41-4)	
STOT-repeated exposure May cause damage to organs (hearing sense) through prolonged or repeated exposure.	NOAEL (oral, rat, 90 days)	
	STOT-repeated exposure	May cause damage to organs (hearing sense) through prolonged or repeated exposure.

Safety Data Sheet

dibutyltin dilaurate (77-58-7)	
STOT-repeated exposure	Causes damage to organs (thymus) through prolonged or repeated exposure.
Aspiration hazard :	May be fatal if swallowed and enters airways.

SECTION 12: Ecological information	
12.1. Toxicity	
Hazardous to the aquatic environment, short-term : (acute)	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Not classified
(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
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'
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'

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

12.2. Persistence and degradability		
n-butyl acetate (123-86-4)		
Persistence and degradability	Readily biodegradable in water.	
ThOD	2.21 g O ₂ /g substance	
BOD (% of ThOD)	0.46	
solvent naphtha (petroleum), light aromatic (64742-95-6)		
Persistence and degradability	May cause long-term adverse effects in the environment.	
Xylene (1330-20-7)		
Persistence and degradability	Biodegradable in the soil. 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 O₂/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).	
solvent naphtha (petroleum), light aromatic (6	4742-95-6)	
Partition coefficient n-octanol/water (Log Pow)	2.1 – 6	
Bioaccumulative potential	Not established.	
Xylene (1330-20-7)		
BCF - Fish [1]	7.2 – 25.9 (56 day(s), Oncorhynchus mykiss, Flow-through system, Fresh water, Read- across)	
Partition coefficient n-octanol/water (Log Pow)	3.2 (Read-across, 20 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	
ethylbenzene (100-41-4)		
BCF - Fish [1]	1 (6 week(s), Oncorhynchus kisutch, Flow-through system, Salt water, Experimental value)	
Partition coefficient n-octanol/water (Log Pow)	3.6 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	

12.4. Mobility in soil

n-butyl acetate (123-86-4)	
Surface tension	61.3 mN/m (20 °C, 0.1 %, OECD 115: Surface Tension of Aqueous Solutions)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.268 – 1.844 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Highly mobile in soil.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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

12.5. Results of PBT and vPvB assessment

Component	
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
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. Other adverse effects

No additional information available

SECTION 13: Disposal consideration	ns
13.1. Waste treatment methods	
Waste treatment methods Additional information	Dispose of contents/container in accordance with licensed collector's sorting instructions.Flammable vapours may accumulate in the container.

SECTION 14: Transport information

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

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

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Transport document description (RID) : UN 1263 PAINT RELATED MATERIAL, 3, III 14.3. Transport hazard class(es) ADR Transport hazard class(es) (ADR) : 3 Danger labels (ADR) : 3 IMDG Transport hazard class(es) (IMDG) : 3 Danger labels (IMDG) : 3 : ΙΑΤΑ 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) : 3 : 14.4. Packing group Packing group (ADR) : 111 Packing group (IMDG) : 111 Packing group (IATA) : Ш Packing group (ADN) : Ш Packing group (RID) : 111 14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

14.6. Special precautions for user

Overland	transport
O V C Hulla	anopore

Overland transport	
Classification code (ADR)	: F1
Special provisions (ADR)	: 163, 367, 650
Limited quantities (ADR)	: 51
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Special packing provisions (ADR)	: PP1
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T2
Portable tank and bulk container special provisions	: TP1, TP29
(ADR)	
Tank code (ADR)	: LGBF
Vehicle for tank carriage	: FL
Transport category (ADR)	: 3
	: V12
Special provisions for carriage - Packages (ADR)	: V12 : S2
Special provisions for carriage - Operation (ADR)	-
Hazard identification number (Kemler No.)	: 30
Orange plates	30
	1263
	1205
Tunnel restriction code (ADR)	: D/E
EAC code	: •3Y
Transport by sea	
Special provisions (IMDG)	: 163, 223, 367, 955
Limited quantities (IMDG)	: 5L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T2
Tank special provisions (IMDG)	: TP1, TP29
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-E
Stowage category (IMDG)	: A
Properties and observations (IMDG)	Miscibility with water depends upon the composition.
r topenies and observations (inibo)	
Air transport	
Air transport	: E1
PCA Excepted quantities (IATA)	
PCA Limited quantities (IATA)	: Y344
PCA limited quantity max net quantity (IATA)	: 10L
PCA packing instructions (IATA)	: 355
PCA max net quantity (IATA)	: 60L
CAO packing instructions (IATA)	: 366
CAO max net quantity (IATA)	: 220L
Special provisions (IATA)	: A3, A72, A192
ERG code (IATA)	: 3L
Inland waterway transport	
Classification code (ADN)	: F1
Special provisions (ADN)	: 163, 367, 650
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 0
Rail transport	
Classification code (RID)	: F1

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Special provisions (RID)	:	163, 367, 650
Limited quantities (RID)	:	5L
Excepted quantities (RID)	:	E1
Packing instructions (RID)	:	P001, IBC03, LP01, R001
Special packing provisions (RID)	:	PP1
Mixed packing provisions (RID)	:	MP19
Portable tank and bulk container instructions (RID)	:	T2
Portable tank and bulk container special provisions	:	TP1, TP29
(RID)		
Tank codes for RID tanks (RID)	:	LGBF
Transport category (RID)	:	3
Special provisions for carriage – Packages (RID)	:	W12
Colis express (express parcels) (RID)	:	CE4
Hazard identification number (RID)	:	30
Portable tank and bulk container instructions (RID) Portable tank and bulk container special provisions (RID) Tank codes for RID tanks (RID) Transport category (RID) Special provisions for carriage – Packages (RID) Colis express (express parcels) (RID)	:	T2 TP1, TP29 LGBF 3 W12 CE4

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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)	MAXIMUM FAST HARDENER ; n-butyl acetate ; solvent naphtha (petroleum), light aromatic ; Xylene ; ethylbenzene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	MAXIMUM FAST HARDENER ; n-butyl acetate ; solvent naphtha (petroleum), light aromatic ; hexamethylene diisocyanate oligomers ; Xylene ; ethylbenzene	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)	solvent naphtha (petroleum), light aromatic	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
40.	n-butyl acetate ; solvent naphtha (petroleum), light aromatic ; Xylene ; ethylbenzene	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

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

: 654

15.1.2. National regulations

No additional information available

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information			
Abbreviations and acr	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		
BCF	Bioconcentration factor		
BLV	Biological limit value		
BOD	Biochemical oxygen demand (BOD)		
COD	Chemical oxygen demand (COD)		
DMEL	Derived Minimal Effect level		
DNEL	Derived-No Effect Level		
EC-No.	European Community number		
EC50	Median effective concentration		
EN	European Standard		
IARC	International Agency for Research on Cancer		
ΙΑΤΑ	International Air Transport Association		
IMDG	International Maritime Dangerous Goods		
LC50	Median lethal concentration		
LD50	Median lethal dose		
LOAEL	Lowest Observed Adverse Effect Level		
NOAEC	No-Observed Adverse Effect Concentration		
NOAEL	No-Observed Adverse Effect Level		
NOEC	No-Observed Effect Concentration		
OECD	Organisation for Economic Co-operation and Development		
OEL	Occupational Exposure Limit		
РВТ	Persistent Bioaccumulative Toxic		
PNEC	Predicted No-Effect Concentration		
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail		
SDS	Safety Data Sheet		
STP	Sewage treatment plant		
ThOD	Theoretical oxygen demand (ThOD)		
TLM	Median Tolerance Limit		
VOC	Volatile Organic Compounds		
CAS-No.	Chemical Abstract Service number		
N.O.S.	Not Otherwise Specified		
vPvB	Very Persistent and Very Bioaccumulative		
ED	Endocrine disrupting properties		

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Full text of H- and EUH-statements:		
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4	
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4	
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2	
Asp. Tox. 1	Aspiration hazard, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Liq. 2	Flammable liquids, Category 2	
Flam. Liq. 3	Flammable liquids, Category 3	
H225	Highly flammable liquid and vapour.	
H226	Flammable liquid and vapour.	
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.	
H373	May cause damage to organs through prolonged or repeated exposure.	
H411	Toxic to aquatic life with long lasting effects.	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1	Skin sensitisation, Category 1	
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2	
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis	

For professional use only.

The information contained within this Safety Data Sheet (SDS) is believed to be correct as of the date issued however it is subject to change from time to time. It does not purport to be all inclusive or exhaustive and shall only be used as a guide. U-POL makes no warranties, expressed or implied, including but not limited to, any implied warranty of fitness for a given purpose or usage. It is the Buyers responsibility to ensure the suitability of the products for their own use and to check the information is up to date. U-POL cannot be held responsible for the suitability of use for any of its products, considering the wide range of factors such as application, substrates and handling methods. Since these conditions of use are outside of our control, the company shall not be held liable for any damage resulting from handling or from contact with the product detailed. Moreover, addition of reducers, hardeners or other additives over and above U-POL's recommendations for use, may substantially alter the composition and hazards of the product. U-POL data sheets are available via the U-POL website at WWW.U-POL.COM.