

Article Print d /ersio	late:	2504 09.02.2021 13	Hardener A- Revision dat Issue date: 3	e: 30.07.2020	EN Page 1 / 20
SEC	TION 1: Id	entification o	f the substance/	mixture and of the	company/undertaking
1.1.	Product ic	dentifier			
	Article No.	(manufacturer/s	supplier)	2504	
	Trade nam	e/designation		Hardener A-10	
				for 2K-ECLON	
1.2.	Relevant i	dentified uses	of the substance	or mixture and uses	advised against
		dentified uses			
	•	iterial to protect s			
1.3.			ne safety data shee		
			oorter/downstream (CH-5000 Aarau wy		
	Departme Labor	nt responsible	for information:		
	E-mail			info@eclatin.c	h
1.4.	Emergend	y telephone nu	umber		
	•	y telephone nun	nber	+41 32 622 41	
	Foxikologi	sches Zentrum		+41 44 251 51	51
SEC	TION 2: Ha	azards identif	ication		
2.1.	Classifica	tion of the sub	stance or mixture		*
	Classifica	tion according	to Regulation (EC	C) No 1272/2008 [CLP	1
	The mixtur	e is classified a	s hazardous accord	ding to regulation (EC)	No 1272/2008 [CLP].
	Flam. Liq.		Flammable lic		Flammable liquid and vapour.
	Acute Tox.		Acute toxicity		Harmful if inhaled.
	Skin Irrit. 2		Skin corrosio		Causes skin irritation.
	Eye Irrit. 2			damage/eye irritation	Causes serious eye irritation.
	Resp. Sen	s. 1 / H334	Respiratory o	or skin sensitisation	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
	Skin Sens.	. 1 / H317	Respiratory o	or skin sensitisation	May cause an allergic skin reaction.
	STOT SE 3	3 / H335	STOT-single		May cause respiratory irritation.
	STOT RE 2	2 / H373	STOT-repeate		May cause damage to organs through
~ ~	1				prolonged or repeated exposure.
2.2.	Label eler			4070/0000 [0] 01	
				0. 1272/2008 [CLP]	
	Hazard pi	ctograms	•		
				Danger	
	$\mathbf{\forall}$	\sim		Danger	
	Hazard sta	atements			
	H226		mmable liquid and	vapour.	
	H332		mful if inhaled.		
	H315 H319		uses skin irritation. uses serious eye irr	itation.	
	H334				reathing difficulties if inhaled.
	H317	May	y cause an allergic	skin reaction.	-
	H335		y cause respiratory		
	H373			organs through prolor	nged or repeated exposure.
		nary statement		hat automa and a	
	P210 P260			-	open flames and other ignition sources. No smoking.
	P260 P261		not breathe vapour bid breathing vapou		
				s and eye/face protect	on
	P280	vve	a protective dioves	s and eyenace brolect	

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	P304 + P34 P342 + P34 P370 + P37 P403 + P23 P403 + P23	11 78 33	IF INHALED: Remove person to fresh air and keep comfortable for breathin If experiencing respiratory symptoms: Call a POISON CENTER or doctor/p In case of fire: Use extinguishing powder or sand to extinguish. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool.	
	Hazard co	mponents	for labelling m-tolylidene diisocyanate HDI homopolymer Xylene hexamethylene-di-isocyanate Aromatic polyisocyanate	
	Suppleme	ntal hazar	d information	
	EUH204		Contains isocyanates. May produce an allergic reaction.	
2.3.	Other haza	ards		
	No informa	tion availat	ble.	
OF C			n linformation on ingradiants	
SEC		ompositio	n / information on ingredients	
3.2.	Mixtures			
	Descriptio	n	Aromatic Polyisocyanate	
	Classificat	tion accore	ling to Regulation (EC) No 1272/2008 [CLP]	
	EC No.		REACH No.	
	CAS No.		Designation	weight-%
	Index No.		classification: // Remark	
	500-060-2		01-2119488934-20	
	28182-81-2	2	HDI homopolymer	25 - 50
	500 400 0		Acute Tox. 4 H332 / Skin Sens. 1 H317 / STOT SE 3 H335	
	500-120-8 53317-61-6	2	Aromatia nalviagovanata	12.5 - 20
	55517-01-0)	Aromatic polyisocyanate Eye Irrit. 2 H319 / Skin Sens. 1 H317	12.5 - 20
	215-535-7		01-2119488216-32	
	1330-20-7		Xylene	12.5 - 20
	601-022-00)-9	Acute Tox. 4 H312 / Acute Tox. 4 H332 / Skin Irrit. 2 H315 / Eye Irr H319 / STOT SE 3 H335 / STOT RE 2 H373 / Asp. Tox. 1 H304 / F Liq. 3 H226	
	204-658-1		01-2119485493-29	
	123-86-4		n-butyl acetate	12.5 - 20
	607-025-00)-1	Flam. Liq. 3 H226 / STOT SE 3 H336	
	205-500-4 141-78-6		01-2119475103-46 Ethyl acetate	5 - 10
	607-022-00)-5	Flam. Liq. 2 H225 / Eye Irrit. 2 H319 / STOT SE 3 H336	3-10
	203-603-9	, ,	01-2119475791-29	
	108-65-6		2-methoxy-1-methylethyl acetate	5 - 10
	607-195-00)-7	Flam. Liq. 3 H226	
			Substance with a common (EC) occupational exposure limit value.	
	202-849-4		01-2119489370-35	
	100-41-4		ethylbenzene	2.5 - 5
	601-023-00)-4	Flam. Liq. 2 H225 / Acute Tox. 4 H332 / STOT RE 2 H373 / Asp. To H304	x. 1
	212-485-8		01-2119457571-37	
	822-06-0		hexamethylene-di-isocyanate	< 0.5
	615-011-00	J- 1	Acute Tox. 3 H331 / Eye Irrit. 2 H319 / STOT SE 3 H335 / Skin Irr	π. ∠

H315 / Resp. Sens. 1 H334 / Skin Sens. 1 H317

Sens. 1 H317 >= 0.5

Specific concentration limit (SCL): Resp. Sens. 1 H334 >= 0.5 / Skin

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247-722- 26471-62 615-006-	2-5 m 00-4 C Si	1-2119454791-34 -tolylidene diisocyanate arc. 2 H351 / Acute Tox. 2 H330 / Eye kin Irrit. 2 H315 / Resp. Sens. 1 H334 hronic 3 H412 pecific concentration limit (SCL): Resp. Se	/ Skin Sens. 1 H317 / Aquatic	
Additional information				

Full text of classification: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

Following ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

4.2. **Most important symptoms and effects, both acute and delayed** In all cases of doubt, or when symptoms persist, seek medical advice.

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

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

Unsuitable extinguishing media

strong water jet

5.2. Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3. Advice for firefighters

Provide a conveniently located respiratory protective device.Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Use appropriate container to avoid environmental contamination. Fouled surfaces must be immediately cleaned with suitable solvents, Useable as such (flammable): water 45 vol.% ethanol or i-propanol 50 vol. % ammonia solution (density= 0.88) 5 vol.% Alternative (non-flammable): sodium carbonate 5 vol.% water 95 vol.%.

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Take up spilled residuals with the same agent and leave them for a few days in unclosed containers until there is no further reaction. Then, close the containers and dispose of them in accordance with the regulations for waste removal (refer to section 13).

6.4. Reference to other sections

Observe protective provisions (see section 7 and 8).

SECTION 7: Handling and storage

People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this mixture.

People who spray this preparation should have regular pulmonary function tests.

7.1. Precautions for safe handling

Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilation facilities. Anti-static clothing including shoes are recommended. Floors must be electrically conductive. Be careful when opening used containers (excess pressure). Precautionary measures should be taken in order to reduce strain from humidity or water: CO2 is formed which may produce excess pressure in closed containers . Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

Further information

Vapours are heavier than air. Vapours form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRGS 727)".

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers. Keep away from amines, alcohols and water.

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this mixture.

People who spray this preparation should have regular pulmonary function tests.

8.1. Control parameters

Occupational exposure limit values:

Xylene

Index No. 601-022-00-9 / EC No. 215-535-7 / CAS No. 1330-20-7

WEL, TWA: 220 mg/m3; 50 ppm

WEL, STEL: 441 mg/m3; 100 ppm

Remark: (may be absorbed through the skin)

BMGV, TWA: 650 mmol/mol creatinine

Remark: methyl hippuric acid; urine; end of exposure or end of shift

n-butyl acetate

Index No. 607-025-00-1 / EC No. 204-658-1 / CAS No. 123-86-4

MEL/OES, TWA: 724 mg/m3; 150 ppm

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MEL/O	DES, STEL: 966 mg/r	m3; 200 ppm					
	Ethyl acetate Index No. 607-022-00-5 / EC No. 205-500-4 / CAS No. 141-78-6						
	WEL, TWA: 734 mg/m3; 200 ppm WEL, STEL: 1468 mg/m3; 400 ppm						
Index No		C No. 203-603-9 / CAS No. 108-65-6					
WEL, S Remar	TWA: 274 mg/m3; 5 STEL: 548 mg/m3; 1 ˈk: (may be absorbe	00 ppm					
	o. 601-023-00-4 / E	C No. 202-849-4 / CAS No. 100-41-4					
WEL, S	TWA: 441 mg/m3; 1 STEL: 552 mg/m3; 1 rk: (may be absorbe	25 ppm					
TWA : L STEL : s		nal exposure limit value nal exposure limit value					
DNEL:							
DNEL DNEL DNEL DNEL DNEL DNEL DNEL DNEL	long-term dermal (sy acute inhalative (loc acute inhalative (sys long-term inhalative long-term oral (repe long-term dermal (sy acute inhalative (loc acute inhalative (sys long-term inhalative long-term inhalative	C No. 215-535-7 / CAS No. 1330-20-7 ystemic), Workers: 212 mg/kg bw/day al), Workers: 442 mg/m ³ stemic), Workers: 221 mg/m ³ (systemic), Workers: 221 mg/m ³ ated), Consumer: 12,5 mg/kg bw/day ystemic), Consumer: 125 mg/kg bw/day al), Consumer: 260 mg/m ³ stemic), Consumer: 260 mg/m ³ (local), Consumer: 65,3 mg/m ³ (systemic), Consumer: 65,3 mg/m ³					
DNEL DNEL DNEL	o. 601-023-00-4 / EC long-term dermal (sy long-term inhalative long-term oral (repe	C No. 202-849-4 / CAS No. 100-41-4 ystemic), Workers: 180 mg/kg bw/day (systemic), Workers: 77 mg/m³ ated), Consumer: 1,6 mg/kg bw/day (systemic), Consumer: 15 mg/m³					
Index No DNEL DNEL DNEL	acute dermal, short- acute inhalative (loc long-term inhalative	te C No. 212-485-8 / CAS No. 822-06-0 term (local), Workers: 0,07 mg/kg al), Workers: 0,07 mg/m³ (systemic), Workers: 0,035 mg/m³					
DNEL DNEL DNEL DNEL DNEL DNEL DNEL DNEL	o. 607-022-00-5 / EC long-term dermal (sy acute inhalative (loc acute inhalative (sys long-term inhalative long-term oral (repe long-term dermal (sy acute inhalative (loc acute inhalative (sys long-term inhalative	C No. 205-500-4 / CAS No. 141-78-6 ystemic), Workers: 63 mg/kg al), Workers: 1468 mg/m ³ stemic), Workers: 1468 mg/m ³ (local), Workers: 734 mg/m ³ (systemic), Workers: 734 mg/m ³ ated), Consumer: 4,5 mg/kg ystemic), Consumer: 37 mg/kg bw/day al), Consumer: 734 mg/m ³ stemic), Consumer: 734 mg/m ³ (local), Consumer: 367 mg/m ³ (systemic), Consumer: 367 mg/m ³					

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DNEL I	o. 607-025-00-1 / EC ong-term inhalative	: No. 204-658-1 / CAS No. 123-86-4 (systemic), Workers: 480 mg/m³ (systemic), Consumer: 102,34 mg/m³		
2-metho Index No DNEL I DNEL I	xy-1-methylethyl ace 0. 607-195-00-7 / EC ong-term oral (repea ong-term dermal (sy			
Index No DNEL a DNEL a DNEL I	acute inhalative (loca acute inhalative (sys ong-term inhalative	No. 247-722-4 / CAS No. 26471-62-5 al), Workers: 0,14 mg/m ³ temic), Workers: 0,14 mg/m ³ (local), Workers: 0,035 mg/m ³ (systemic), Workers: 0,035 mg/m ³		
EC No. 5 DNEL a		. 28182-81-2 al), Workers: 1 mg/m³ (local), Workers: 0,5 mg/m³		
Xylene Index No PNEC PNEC PNEC PNEC PNEC	aquatic, freshwater: aquatic, marine wate sediment, freshwate sediment, marine wa soil: 2,31 mg/kg	er: 0,327 mg/L r: 12,46 mg/kg		
PNEC PNEC PNEC PNEC PNEC		er: 0,01 mg/L r: 13,7 mg/kg ater: 1,37 mg/kg		
Ethyl ace Index No PNEC PNEC PNEC PNEC PNEC PNEC	etate b. 607-022-00-5 / EC aquatic, freshwater: aquatic, marine wate aquatic, intermittent sediment, freshwate sediment, marine wa soil: 0,148 mg/kg	No. 205-500-4 / CAS No. 141-78-6 0,24 mg/L er: 0,024 mg/L release: 1,65 mg/L r: 1,15 mg/kg ater: 0,115 mg/kg ant (STP): 650 mg/L		
PNEC PNEC PNEC PNEC PNEC PNEC	b. 607-025-00-1 / EC aquatic, freshwater: aquatic, marine wate aquatic, intermittent sediment, freshwate sediment, marine wa soil: 0,0903 mg/kg \$	er: 0,018 mg/L		
2-metho Index No PNEC	xy-1-methylethyl ace	etate 5 No. 203-603-9 / CAS No. 108-65-6 0,635 mg/cm³		

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PNEC PNEC PNEC	sediment, freshwate sediment, marine wa , soil: 0,29 mg/m ³			
Index N PNEC PNEC	dene diisocyanate o. 615-006-00-4 / EC aquatic, freshwater: aquatic, marine wate , soil: > 1 mg/kg		;	
EC No. PNEC PNEC PNEC PNEC PNEC	sediment, marine wa , soil: 53182 mg/kg	0,127 mg/L er: 266700 mg/kg Sediment dry weight		
8.2. Expos ı	ire controls			

Provide good ventilation. This can be achieved with local or room suction. When spraying, wear self-contained breathing apparatus. For other tasks a suitable respiratory system must be used, if local and room suction is not sufficient for keeping aerosol and solvent vapour concentration below the exposure limit values. (refer to Personal protection equipment.)

Personal protection equipment

Respiratory protection

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

Hand protection

For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber)

Thickness of the glove material > 0,4 mm ; Breakthrough time: > 480 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles EN ISO 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye/face protection

Wear closely fitting protective glasses in case of splashes.

Body protection

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	
Physical state:	Liquid
Colour:	refer to label
Odour:	characteristic
Odour threshold:	not applicable
pH at 20 °C:	not applicable
Melting point/freezing point:	not applicable
Initial boiling point and boiling range:	76 °C
	Source: Ethyl acetate
Flash point:	23 °C
-	Method: DIN 53213

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	Evaporatio	on rate:		not applicable	
	flammabili Burning f	time:		not applicable	
	Upper/lower flammability or explosive limits: Lower explosion limit: Upper explosion limit:		explosive limits:	1.21 Vol-% 11.5 Vol-% Source: Ethyl a	acetate
	Vapour pro	essure at 20 °C:		9.33 mbar	
	Vapour de	nsity:		not applicable	
	Relative de Density at			1.03 g/cm³	
	Solubility(Water sol	ies): ubility at 20 °C:		insoluble	
	Partition c	oefficient: n-octar	nol/water:	see section 12	
	Auto-igniti	ion temperature:		333 °C Source: 2-meth	noxy-1-methylethyl acetate
	Decompos	sition temperature	:	not applicable	
	Viscosity a	at °C:		nicht bestimm	t
	Explosive	properties:		not applicable	
	Oxidising	properties:		not applicable	
9.2.	Other info	rmation			
	Solid cont	ent:		56 weight-%	
	solvent co Organic s Water:			44 weight-% 0 weight-%	
	Solvent se	paration test:		< 3 weight-% (A	ADR/RID)
SEC	TION 10: S	tability and read	tivity		

SECTION 10: Stability and reactiv

10.1. Reactivity

Reacts with water, forming carbon dioxide, producing bursting hazard in closed containers due to build-up of pressure.

10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions. Reacts with water, forming carbon dioxide, producing bursting hazard in closed containers due to build-up of pressure.

10.4. Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5. **Incompatible materials** not applicable

10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

SECTION 11: Toxicological information

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

11.1. Information on toxicological effects

Acute toxicity

Harmful if inhaled.

Xylene oral, LD50, Rat: 4300 mg/kg dermal, LD50, Rabbit: 2000 mg/kg

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Methoo Algae t Methoo inhalati ethylben oral, LI	I: OECD 201 ve (vapours), LC50,	dokirchneriella subcapitata: 2,2 mg/L Rat, male: 6700 ppm (4 h)	(73 h)	
hexamet oral, LI Methoo dermal Methoo dermal inhalati Ethyl acc oral, LI dermal inhalati oral, LI Methoo inhalati	hylene-di-isocyanat D50, Rat: 746 mg/kg I: OECD 401 , LD50, Rat: > 7000 I: OECD 402 , LD50, Rabbit: 570 ve (vapours), LC50, I: OECD 403 ve (vapours), LC50, D50, Rat: 5620 mg/k , LD50, Rabbit: > 20 ve (vapours), LC50, D50, Rabbit: 4934 I: OECD 401 ve (vapours), LC0, I ve (vapours), LC0, I ve (vapours), LC0, I	e mg/kg Rat: 0,124 mg/L (4 h) Mouse: 1,57 mg/L g 000 mg/kg Rat: 29,3 mg/L (4 h) Rat: 29,3 (4 h) Rat: > 6000 ppm (6 h)		
n-butyl a oral, LI Methoo dermal Methoo inhalati	cetate D50, Rat: 10760 mg/ I: OECD 423 , LD50, Rabbit: 141 I: OECD 402	-		
2-metho	xy-1-methylethyl ace , LD50, Rabbit: > 20			
m-tolylid oral, LI dermal dermal inhalati inhalati Methoo	ene diisocyanate D50, Rat: 4130 mg/k , LD50, Rat: > 9400 , LD50, Rabbit: > 12 ve (vapours), LC50, ve (vapours), LCLo, ve (vapours), LD50, t: OECD 401	g mg/kg	r); Fatal if inhaled.	
dermal Methoo inhalati Methoo inhalati	: OECD 403	mg/kg Rat: 543 mg/L (4 h) Rat, female: 390 mg/m³ (4 h)		
Aromatio oral, LI inhalati	c polyisocyanate 050, Rat: > 5000 mg ve (vapours), LC50,	Rat: > 2,462 mg/L (4 h)		
		erious eye damage/eye irritation		
	skin irritation.			
Causes	serious eye irritation			

ethylbenzene

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Causes eyes, R Causes hexameti	slight eye irritation nylene-di-isocyanate		
Corrosiv eyes Method	: OECD 404 ve : OECD 405	; Causes serious eye damage.	
Ethyl ace Skin (4 No skin dermati eyes	tate h) irritation (rabbit). Deg	reases the skin and makes it dry an	d rough. Prolonged or repeated skin contact can lead to
Method No skin eyes Method	cetate abbit (4 h) : OECD 404 irritation : OECD 405 irritation		
2-methox Skin (4 Method Not to b eyes	y-1-methylethyl aceta h) : OECD 404 e classified as skin et		
Skin (4 Causes eyes	skin irritation.	ses serious eye irritation.	
Skin, Ra Method slight irr eyes, R	abbit : OECD 405		
Skin (4 No data eyes	polyisocyanate h) available available		
Respirat	ory or skin sensitisa	tion	
May caus	se allergy or asthma s	ymptoms or breathing difficulties if in	nhaled.
May caus	se an allergic skin rea	ction.	
Skin, G Method Respira	nylene-di-isocyanate uinea pig: ; Evaluatior : OECD 406 tory system, Guinea p : OECD 406	positive ig: ; Evaluation positive	

Ethyl acetate Skin, Guinea pig: ; Evaluation not sensitising. Method: OECD 406

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Maximi	zation test		
Methoo Mouse	uinea pig: ; Evaluati I: OECD 406 mouse ear swelling	test (MEST)	
Skin: ; Methoo Respira	xy-1-methylethyl ace Evaluation not sensi I: OECD 406 atory system: a available		
Skin, G May ca Respira	ene diisocyanate Guinea pig: ; Evaluati Juse an allergic skin atory system: use allergy or asthm		inhaled.
Skin, G Methoo Magnu Respira Methoo	opolymer suinea pig: ; Evaluati l: OECD 406 son/Klingmann test atory system, Guinea l: OECD 406 son/Klingmann test	on sensitising a pig: ; Evaluation sensitising	
Skin: No data Respira	e polyisocyanate a available atory system: a available		
CMR eff	ects (carcinogenic	ity, mutagenicity and toxicity for rep	production)
Hamste Carcine Methoo	ell mutagenicity; Ev er; Mouse; ovaries ogenicity; Evaluatior I: Group II B (IARC)	-	hylbenzene)
human hexamet	hylene-di-isocyanat	٩	
Germ o Mutage Carcino	cell mutagenicity enicity (mammalian o ogenicity	cell test): chromosome aberration. Ova	arian cells of Chinese hamster Result: negative
Reproc No effe	now any carcinoger luctive toxicity ct on fertility in anim pxicity in vivo; Evalua		
Methoo Mouse Genoto	I: OECD 474 ; Inhalation; bone ma oxicity in vitro; Evalua I: Ames test	arrow	
Salmor teratog	nella typhimurium enicity	aging effect in animal experiments.	
Carcino Reproc Genoto (Chrom Test G Genoto	cell mutagenicity; Ev ogenicity; Evaluation luctive toxicity; Evaluation intervention; Evaluation nosome aberration te uideline 473).; (Bac oxicity in vivo; Evaluation	est in vitro; CHO (Chinese hamster ova k mutation test on bacteria; Salmonella	
	I: OECD 474 nosome aberration te	est in vivo; Chinese hamster, male and	l female) (Oral).

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n-butyl a			
		aluation Ames test negative.	
Germ c No data Carcino No data Reproc No data Lactatio	xy-1-methylethyl ace cell mutagenicity a available ogenicity a available ductive toxicity a available on a available	etate	
Germ d	ene diisocyanate cell mutagenicity; Ev pricity in vivo: Mutag		ucleus.; (National Toxicology Program)
Carcino Suspec Reproc No data Lactatio No data Genoto	ogenicity cted of causing canc ductive toxicity a available on a available oxicity in vivo; Evalua	er.	
HDI hom Germ o The pro Carcino No data Reproo	nopolymer cell mutagenicity	imurium; (National Toxicology Progra	
Germ o No data Carcino No data Reproc	c polyisocyanate cell mutagenicity a available ogenicity a available ductive toxicity a available		
STOT-si	ingle exposure; ST	OT-repeated exposure	
May cau	se respiratory irritati	on.	
-		s through prolonged or repeated exp	osure.
Xylene Specifi Liver a Causes exposu	c target organ toxicit nd kidney damage; o s damage to organs ire if it is conclusivel	y (repeated exposure) central nervous system) through prolonged or repeated exposure (state route of sure cause the hazard).
ethylben Repeat Methoo RTECS depres		t: 75 mg/kg rus system	
Specifi May ca Specifi			tem
Ethyl ace		y (single exposure)	

2504 Article No.: Hardener A-1090 Revision date: 30.07.2020 Print date: 09.02.2021 ΕN Page 13 / 20 Version: Issue date: 30.07.2020 13 Inhalation; central nervous system; May cause drowsiness or dizziness. Specific target organ toxicity (repeated exposure) No data available Repeated dose toxicity: 900 mg/kg bw Method: NOAEL Repeated dose toxicity. Rat: 3600 mg/kg (92 d) Method: LOAEL oral Repeated dose toxicity, Rat: 350 ppm (94 d) Method: NOEC inhalative (vapours): 5 days/week Repeated dose toxicity, Rat: 350 ppm (94 d) Method: LOEC: inhalative; 5 days/week n-butyl acetate Specific target organ toxicity (single exposure) central nervous system; May cause drowsiness or dizziness. Specific target organ toxicity (repeated exposure) human: Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting in dermatitis (skin inflammation).; Steam in high concentration leads to unconsciousness. 2-methoxy-1-methylethyl acetate Specific target organ toxicity (single exposure) No data available Specific target organ toxicity (repeated exposure) No data available m-tolylidene diisocyanate Specific target organ toxicity (single exposure) May cause respiratory irritation. Specific target organ toxicity (repeated exposure) No data available HDI homopolymer Specific target organ toxicity (single exposure) Evaluation May cause respiratory irritation. Specific target organ toxicity (repeated exposure) Evaluation After repeated recording, the local irritant effect is in the foreground. Aromatic polyisocyanate Specific target organ toxicity (single exposure) No data available Specific target organ toxicity (repeated exposure) No data available Aspiration hazard Ethyl acetate Aspiration hazard no classification n-butyl acetate Aspiration hazard; Evaluation No classification for aspiration toxicity 2-methoxy-1-methylethyl acetate Aspiration hazard No data available m-tolylidene diisocyanate Aspiration hazard No data available HDI homopolymer Aspiration hazard; Evaluation No danger of aspiration to be assumed. Aromatic polyisocyanate Aspiration hazard No data available Practical experience/human evidence

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Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage. Because of the isocyanate components' properties of this and with consideration of similar preparations the following applies: This mixture may cause acute irritation and/or sensitization of airways which lead to tightness in thorax, short-breath and asthmatic complaints. After sensitization even concentrations below the exposure limit values may cause asthma. Repeated inhaling can lead to permanent illness of the respiratory tract.

Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

SECTION 12: Ecological information

Classification according to Regulation (EC) No 1272/2008 [CLP] Do not allow to enter into surface water or drains.

12.1. Toxicity

Xvlene Fish toxicity, LC50, fish: 2,6 mg/L (96 h) Method: OECD 203 Algae toxicity, ErC50, Pseudokirchneriella subcapitata: 4,6 mg/L (72 h) Method: OECD 201 Algae toxicity, LC50, Pseudokirchneriella subcapitata: 4,6 mg/L (72 h) Method: OECD 201 Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout) (96 h) Method: OECD 203 Daphnia toxicity, IC50, Daphnia magna: 1 mg/L (24 h) Method: OECD 202 Algae toxicity, LC50, Selenastrum capricornutum: 2,2 mg/L (73 h) Method: OECD 201 Bacteria toxicity, NOEC, Activated sludge: 16 mg/L (28 d) Method: OECD 301 F ethylbenzene Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 4,2 mg/L (96 h) Daphnia toxicity, EC50, Daphnia magna 1,8 - 2,4 mg/L (48 h) Algae toxicity, EC50, Skeletonema costatum: 4,9 mg/L (72 h) Algae toxicity, EC50, Pseudokirchneriella subcapitata: 7,2 mg/L (48 h) Shellfish Toxicity, LC50, Mysidopsis bahia: > 5,2 mg/L (48 h) Toxicity of Microoganisms, EC50, microorganisms: 96 mg/L (24 h) hexamethylene-di-isocyanate Fish toxicity, LC50, Danio rerio (zebrafish): 22 mg/L (96 h) Algae toxicity, ErC50, Desmodesmus subspicatus: > 77,4 mg/L (72 h) Method: OECD 201 accompanying analysis: yes growth inhibition, NOEC, Desmodesmus subspicatus: 11,7 mg/L (72 h) Method: OECD 201 accompanying analysis: yes Bacteria toxicity, EC0, Pseudomonas putida: 100 mg/L (24 h) (IUCLID) respiratory inhibition, EC50, Activated sludge: 842 mg/L (3 h) Method: OECD 209 Ethyl acetate Fish toxicity, LC50, Pimephales promelas (fathead minnow): 230 mg/L (96 h) Flow test; US-EPA Daphnia toxicity, EC50, Daphnia magna: 610 mg/L (48 h) Daphnia toxicity, EC50, Daphnia cucullata (Helmet water flea): 165 mg/L (48 h) Algae toxicity, EC50, Desmodesmus subspicatus: 5600 mg/L (48 h) Method: DIN 38412 Static test; End; Rate of growth Algae toxicity, NOEC, Desmodesmus subspicatus: > 100 mg/L (72 h)

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Si Bi Si Bi	atic test; End; Rate of grow	tobacterium phosphoreum: 1650 mg/L vth tobacterium phosphoreum: 5870 mg/L	
Fi M D A A (C A C B C B C M (I U D M B B B B B C C C C C C C C C C C C C C	gae toxicity, EC50, Desmo Frowth inhibition) gae toxicity, NOEC, Desmo Frowth inhibition) acteria toxicity, IC50, Tetra olylidene diisocyanate sh toxicity, LC50, Oncorhy ethod: OECD 203 JCLID) aphnia toxicity, EC50, Dap ethod: OECD 202	(96 h) hnia magna (Big water flea): 44 mg/L odesmus subspicatus: 647,7 mg/L (72 odesmus subspicatus: 200 mg/L hymena: 356 mg/L (40 h) nchus mykiss (Rainbow trout): 133 mg hnia magna (Big water flea): 12,5 mg/L vated sludge: > 100 mg/L (3 h)	2 h) /L (96 h)
HD Fi D M Al B	I homopolymer sh toxicity, LC50, Danio re ethod: OECD 203 aphnia toxicity, EC50, Dap ethod: OECD 202 gae toxicity, IC50, Scened ethod: OECD 201	rio (zebrafish): > 100 mg/L (96 h) hnia magna: > 100 mg/L (48 h) esmus subspicatus: > 100 mg/L (72 h vated sludge: 1000 mg/L (3 h)	n)
Lo	ng-term Ecotoxicity		
Xyl Al Fi D M D M A A A D D M D D	ene gae toxicity, ErC50, Pseuc ethod: OECD 201 sh toxicity, NOEC, fish: > 1 aphnia toxicity, EL50, Dapl ethod: OECD 211 aphnia toxicity, NOEC, Dap ethod: US EPA 600/4-91-0 aphnia toxicity, LOEC:, Dap ethod: OECD 211 gae toxicity, growth test (E ethod: OECD 201	nnia magna: 2,9 mg/L (21 d) ohnia pulex: 1,17 mg/L (7 d)	/L (21 d) capitata: 0,72 mg/L (73 h)
D Al D Ba D Eth Fi	gae toxicity, NOEC, Pseud aphnia toxicity, LC50, Ceri acteria toxicity, EC50, Nitro aphnia toxicity, LOEC:, Ce yl acetate sh toxicity, NOEC, Pimeph	iodaphnia dubia (Wasserfloh): 0,96 m lokirchneriella subcapitata: 3,4 mg/L odaphnia dubia (Wasserfloh): 3,6 mg/L osomonas sp: 96 mg/L (24 h) riodaphnia dubia (Wasserfloh): 1,7 mg ales promelas (fathead minnow): > 9,6	(96 h) _ (7 d) /L (7 d)
	ethod: OECD 211 emistatic		
	sistence and degradabil	ity	*
Xyl	ene		

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	Method: Biodegra	nce and degradabil Rapid photochemi adation: 98 percent biodegradable (acc	cal oxidation in air	
(ethylbenz Biodegra		0 - 80 percent (28 d); Evaluation Rea	dily biodegradable (according to OECD criteria).
ł	Biodegra	iylene-di-isocyanate adation: < 0,0001 p OECD 302C	ercent (28 d); Evaluation Poorly elim	inated from water.
I	Biodegra Method:	nce and degradabil	ity: Evaluation The product evapora (20 d); Evaluation Readily biodegra	
I	Biodegra	nce and degradabil	ity: Evaluation No data available (28 d); Evaluation Readily biodegra	dable (according to OECD criteria).
	Biodegra Persiste	y-1-methylethyl ace adation: Evaluatio nce and degradabil available	n Readily biodegradable (according t	o OECD criteria).
I	Biodegra Method:	ne diisocyanate adation: 9 percent OECD 302C liminated from wate		
I			n Not readily biodegradable (accordir	ng to OECD criteria)
,	Biodegra	polyisocyanate adation: available		
12.3. 1	Bioaccur	nulative potential		*
2	Xylene Distribut	ion coefficient n-oc	anol/water (log KOW): 3,49	
(ethylbenz Distribut		anol/water (log KOW): 3,6	
I	Ethyl ace Distribut		anol/water (log KOW): 0,86 ;Evalua	ation Bioaccumulation is not to be expected.
I			anol/water (log KOW):	
2		y-1-methylethyl ace ion coefficient n-oc	tate anol/water (log KOW): 1,2	
I	Distribut	ne diisocyanate ion coefficient n-oc available	anol/water (log KOW):	
I			anol/water (log KOW):	
,	Distribut	polyisocyanate ion coefficient n-oc available	anol/water (log KOW):	
I	Bioconce	entration factor (B	CF)	
ļ	Ethyl ace	tate		

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Bioc	oncentration factor (BCF	F): 30				
12.4. Mobil	ity in soil		*			
	e Evaluation Absorbs sl er: Evaluation Floats o					
Wate	Ethyl acetate Water: Evaluation Swims on water and does not dissolve. Air: Evaluation Slightly volatile, quickly distributed in the air.					
n-buty	/l acetate					
No d	lata available					
soil:	m-tolylidene diisocyanate					
	omopolymer					
soil:						
	lata available atic polvisocvanate					
soil:	Aromatic polyisocyanate soil: No data available					
12.5. Resu	Its of PBT and vPvB as	sessment				
The s	ubstances in the mixture	e do not meet the PBT/vPvB criteria a	according to REACH, annex XIII.			
	Other adverse effects					
	No information available.					
SECTION '	13: Disposal conside	rations				
	e treatment methods					
	opriate disposal / Prod	uct				
Do no	Recommendation Do not allow to enter into surface water or drains. Handle contaminated packages in the same way as the substa itself. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/					
	covering waste and dangerous waste.					
08011	List of proposed waste codes/waste designations in accordance with EWC 080111* Waste paint and varnish containing organic solvents or other dangerous substances *Hazardous waste according to Directive 2008/98/EC (waste framework directive).					
	opriate disposal / Pack		,			
	Recommendation Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.					
SECTION '	14: Transport inform	ation				
14.1. UN n u	umber	UN 1263				
14.2. UN pr	oper shipping name					
Land	transport (ADR/RID):	Paint				
	ansport (IMDG): nsport (ICAO-TI / IATA-I	PAINT DGR): Paint				
	port hazard class(es)					
	transport (ADR/RID):	KEINE GÜTER I bei Gebinden > 4				
	ansport (IMDG)	3 Transport in and	ordenee with 2.2.2.5 of the IMDC Code			

Sea transport (IMDG) for packages < 30 litres: Air transport (ICAO-TI / IATA-DGR)

14.4. Packing group

14.5. Environmental hazards

Land transport (ADR/RID)

not applicable

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Transport in accordance with 2.3.2.5 of the IMDG Code.

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Marine	pollutant	not applicable		
4.6. Special	precautions for us	ser		
Transpo case of	-	upright and safe containers. Make sure tha age.	persons transporting the product know what to o	lo in
Further	information			
Land tra	ansport (ADR/RID)			
tunnel re	estriction code	D/E		
Sea tra	nsport (IMDG)			
EmS-No).	F-E, S-E		
4.7. Transp	ort in bulk accordin	ng to Annex II of Marpol and the IBC Cod	e	
not appl	licable			
ECTION 15	: Regulatory info	rmation		
	• •	mental regulations/legislation specific for	r the substance or mixture	
5.1. Safetv.				
•		mental regulations/registation specific it		
EU legi	slation			
EU legi Directiv	slation	dustrial emissions [Industrial Emissions		
EU legi Directiv VOC-va	slation /e 2010/75/EU on in lue (in g/L): 458			
EU legi Directiv VOC-va Nationa	slation ve 2010/75/EU on in	dustrial emissions [Industrial Emissions		
EU legi Directiv VOC-va Nationa Restric Observe	slation ve 2010/75/EU on in lue (in g/L): 458 al regulations tions of occupation e employment restric	ndustrial emissions [Industrial Emissions n ctions under the Maternity Protection Directi	Directive] ve (92/85/EEC) for expectant or nursing mothers	
EU legi Directiv VOC-va Nationa Restric Observe Observe	slation ve 2010/75/EU on in lue (in g/L): 458 al regulations tions of occupation e employment restric e restrictions to empl	ndustrial emissions [Industrial Emissions n ctions under the Maternity Protection Directi loyment for juvenils according to the 'juvenil	Directive] ve (92/85/EEC) for expectant or nursing mothers	
EU legi Directiv VOC-va Nationa Restric Observe Observe	slation re 2010/75/EU on in lue (in g/L): 458 al regulations tions of occupation e employment restric e restrictions to empl egulations, restrict	ndustrial emissions [Industrial Emissions n ctions under the Maternity Protection Directi loyment for juvenils according to the 'juvenil ions and prohibition regulations	Directive] ve (92/85/EEC) for expectant or nursing mothers	
EU legi Directiv VOC-va Nationa Restric Observe Observe Other re	slation ve 2010/75/EU on in lue (in g/L): 458 al regulations tions of occupation e employment restrict e restrictions to empl egulations, restricti cal Safety Assessme	ndustrial emissions [Industrial Emissions ctions under the Maternity Protection Directi loyment for juvenils according to the 'juvenil ions and prohibition regulations ent	Directive] ve (92/85/EEC) for expectant or nursing mothers e work protection guideline' (94/33/EC).	-
EU legi Directiv VOC-va Nationa Restric Observe Observe Other re 5.2. Chemic For the	slation ve 2010/75/EU on in lue (in g/L): 458 al regulations tions of occupation e employment restrict e restrictions to empl egulations, restrictions cal Safety Assessment following substance	ndustrial emissions [Industrial Emissions ctions under the Maternity Protection Directi loyment for juvenils according to the 'juvenil ions and prohibition regulations ent ces of this mixture a chemical safety ass	Directive] ve (92/85/EEC) for expectant or nursing mothers e work protection guideline' (94/33/EC). essment has been carried out:	
EU legi Directiv VOC-va Nationa Restric Observe Observe Other m 5.2. Chemic For the EC No.	slation ve 2010/75/EU on in lue (in g/L): 458 al regulations tions of occupation e employment restrict e restrictions to empl egulations, restrictions cal Safety Assessment following substance	ndustrial emissions [Industrial Emissions ctions under the Maternity Protection Directi loyment for juvenils according to the 'juvenil ions and prohibition regulations ent	Directive] ve (92/85/EEC) for expectant or nursing mothers e work protection guideline' (94/33/EC).	
EU legi Directiv VOC-va Nationa Restric Observe Observe Other re 5.2. Chemic For the	slation ve 2010/75/EU on in lue (in g/L): 458 al regulations tions of occupation e employment restrict e restrictions to empl egulations, restrictions cal Safety Assessment following substance b.	ndustrial emissions [Industrial Emissions ctions under the Maternity Protection Directi loyment for juvenils according to the 'juvenil ions and prohibition regulations ent ces of this mixture a chemical safety ass	Directive] ve (92/85/EEC) for expectant or nursing mothers e work protection guideline' (94/33/EC). essment has been carried out:	
EU legi Directiv VOC-va Nationa Restric Observe Observe Other m 5.2. Chemic For the EC No. CAS No 500-060 28182-8	slation ve 2010/75/EU on in lue (in g/L): 458 al regulations tions of occupation e employment restrict e restrictions to empl egulations, restricti cal Safety Assessmu following substance b. Desig b. HDI h B1-2	ndustrial emissions [Industrial Emissions ctions under the Maternity Protection Directi loyment for juvenils according to the 'juvenil ions and prohibition regulations ent ces of this mixture a chemical safety ass gnation	Directive] ve (92/85/EEC) for expectant or nursing mothers e work protection guideline' (94/33/EC). essment has been carried out: REACH No. 01-2119488934-20	
EU legi Directiv VOC-va Nationa Restric Observe Observe Other ro 5.2. Chemic For the EC No. CAS No 500-060 28182-8 215-535	slation re 2010/75/EU on in lue (in g/L): 458 al regulations tions of occupation e employment restrice e restrictions to empl egulations, restricti cal Safety Assessme following substance b. -2 HDI h 31-2 -7 Xylen	ndustrial emissions [Industrial Emissions ctions under the Maternity Protection Directi loyment for juvenils according to the 'juvenil ions and prohibition regulations ent ces of this mixture a chemical safety ass gnation	Directive] ve (92/85/EEC) for expectant or nursing mothers e work protection guideline' (94/33/EC). essment has been carried out: REACH No.	
EU legi Directiv VOC-va Nationa Restric Observe Observe Other re 5.2. Chemic For the EC No. CAS No 500-060 28182-8 215-538 1330-20	slation re 2010/75/EU on in lue (in g/L): 458 al regulations tions of occupation e employment restrice e restrictions to emple egulations, restrictions following substance b. -2 HDI h 31-2 -7 Xylen -7 Xylen	n totions under the Maternity Protection Direction loyment for juvenils according to the 'juvenil ions and prohibition regulations ent ces of this mixture a chemical safety ass gnation homopolymer he	Directive] ve (92/85/EEC) for expectant or nursing mothers e work protection guideline' (94/33/EC). essment has been carried out: REACH No. 01-2119488934-20 01-2119488216-32	
EU legi Directiv VOC-va Nationa Restric Observe Observe Other re 5.2. Chemic For the EC No. CAS No 500-060 28182-8 215-538 1330-20 204-658 123-86-	slation ve 2010/75/EU on in lue (in g/L): 458 al regulations tions of occupation e employment restrice e restrictions to emple egulations, restrictions following substance based of the second based of the seco	adustrial emissions [Industrial Emissions ctions under the Maternity Protection Directi loyment for juvenils according to the 'juvenil ions and prohibition regulations ent ces of this mixture a chemical safety ass gnation homopolymer ne yl acetate	Directive] ve (92/85/EEC) for expectant or nursing mothers e work protection guideline' (94/33/EC). essment has been carried out: REACH No. 01-2119488934-20 01-2119488216-32 01-2119485493-29	
EU legi Directiv VOC-va Nationa Restric Observe Other re 5.2. Chemic For the EC No. CAS No 500-060 28182-8 215-538 1330-20 204-658 123-86- 205-500	slation re 2010/75/EU on in lue (in g/L): 458 al regulations tions of occupation e employment restrict e restrictions to empl egulations, restrict sal Safety Assessm following substand b. b. c. b. c. c. c. c. c. c. c. c. c. c	n totions under the Maternity Protection Direction loyment for juvenils according to the 'juvenil ions and prohibition regulations ent ces of this mixture a chemical safety ass gnation homopolymer he	Directive] ve (92/85/EEC) for expectant or nursing mothers e work protection guideline' (94/33/EC). essment has been carried out: REACH No. 01-2119488934-20 01-2119488216-32	
EU legi Directiv VOC-va Nationa Restric Observe Observe Other re 5.2. Chemic For the EC No. CAS No 500-060 28182-8 215-538 1330-20 204-658 123-86- 205-500 141-78-	slation re 2010/75/EU on in lue (in g/L): 458 al regulations tions of occupation e employment restrict restrictions to employ egulations, restrict sal Safety Assessm following substand b. -2 HDI h -2 HDI h -2 -7 Xylen -7 -7	adustrial emissions [Industrial Emissions between the Maternity Protection Direction loyment for juvenils according to the 'juvenil ions and prohibition regulations ent ces of this mixture a chemical safety ass gnation homopolymer he yl acetate acetate	Directive] we (92/85/EEC) for expectant or nursing mothers e work protection guideline' (94/33/EC). essment has been carried out: REACH No. 01-2119488934-20 01-2119488216-32 01-2119485493-29 01-2119475103-46	
EU legi Directiv VOC-va Nationa Restric Observe Other re 5.2. Chemic For the EC No. CAS No 500-060 28182-8 215-538 1330-20 204-658 123-86- 205-500	slation re 2010/75/EU on in lue (in g/L): 458 al regulations tions of occupation e employment restrict e restrictions to empl egulations, restrict sal Safety Assessme following substance b. Design 2-2 HDI h 31-2 5-7 Xylen 0-7 3-1 n-but 4 -4 Ethyl 6 3-9 2-mei	adustrial emissions [Industrial Emissions ctions under the Maternity Protection Directi loyment for juvenils according to the 'juvenil ions and prohibition regulations ent ces of this mixture a chemical safety ass gnation homopolymer ne yl acetate	Directive] ve (92/85/EEC) for expectant or nursing mothers e work protection guideline' (94/33/EC). essment has been carried out: REACH No. 01-2119488934-20 01-2119488216-32 01-2119485493-29	
EU legi Directiv VOC-va Nationa Restric Observe Other re 5.2. Chemic For the EC No. CAS No 500-060 28182-8 215-538 1330-20 204-658 123-86- 205-500 141-78- 203-603 108-65- 202-848	slation re 2010/75/EU on in lue (in g/L): 458 al regulations tions of occupation e employment restrict e restrictions to empl egulations, restrict sal Safety Assessme following substance b-2 HDI h 3-2 HDI h 3-2 Sector 3-1 n-but 4 -7 Xylen 3-2 Ethyl 6 3-9 2-met 6 -4 ethylk	adustrial emissions [Industrial Emissions between the Maternity Protection Direction loyment for juvenils according to the 'juvenil ions and prohibition regulations ent ces of this mixture a chemical safety ass gnation homopolymer he yl acetate acetate	Directive] we (92/85/EEC) for expectant or nursing mothers e work protection guideline' (94/33/EC). essment has been carried out: REACH No. 01-2119488934-20 01-2119488216-32 01-2119485493-29 01-2119475103-46	
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SECTION 16: Other information

Full text of classification in section 3:

Acute Tox. 4 / H332	Acute toxicity (inhalative)
Skin Sens. 1 / H317	Respiratory or skin sensitisation
STOT SE 3 / H335	STOT-single exposure
Eye Irrit. 2 / H319	Serious eye damage/eye irritation
Acute Tox. 4 / H312	Acute toxicity (dermal)
Skin Irrit. 2 / H315	Skin corrosion/irritation
STOT RE 2 / H373	STOT-repeated exposure

Harmful if inhaled. May cause an allergic skin reaction. May cause respiratory irritation. Causes serious eye irritation. Harmful in contact with skin. Causes skin irritation. May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it

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			is conclusively proven that no other routes of
			exposure cause the hazard).
Asp. To	ox. 1 / H304	Aspiration hazard	May be fatal if swallowed and enters airways.
	.iq. 3 / H226	Flammable liquids	Flammable liquid and vapour.
	SE 3 / H336	STOT-single exposure	May cause drowsiness or dizziness.
	iq. 2 / H225	Flammable liquids	Highly flammable liquid and vapour.
	ōx. 3 / H331	Acute toxicity (inhalative)	Toxic if inhaled.
Resp. S	Sens. 1 / H334	Respiratory or skin sensitisation	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Carc. 2	/ H351	Carcinogenicity	Suspected of causing cancer (state route of exposure if it is conclusively proven that no
			other routes of exposure cause the hazard).
	ox. 2 / H330	Acute toxicity (inhalative)	Fatal if inhaled.
Aquatic	Chronic 3 / H412	Hazardous to the aquatic environmen	t Harmful to aquatic life with long lasting effects.
Classif	ication procedure		
		nd used evaluation method according to re	egulation (EC) No 1272/2008 [CLP]
Flam. L	iq. 3	Flammable liquids	On basis of test data.
Acute T	ox. 4	Acute toxicity (inhalative)	Calculation method.
Skin Irri		Skin corrosion/irritation	Calculation method.
Eye Irrit		Serious eye damage/eye irritation	Calculation method.
Resp. S		Respiratory or skin sensitisation	Calculation method.
Skin Se		Respiratory or skin sensitisation	Calculation method.
STOT S		STOT-single exposure	Calculation method.
STOT F		STOT-repeated exposure	Calculation method.
	viations and acronyr		
ADR			nal Carriage of Dangerous Goods by Road
OEL		pational Exposure Limit Value	
BLV		gical Limit Value	
CAS		nical Abstracts Service	
CLP CMR		ification, Labelling and Packaging	
		nogenic, Mutagenic and Reprotoxic an Institute for Standardization / German	industrial standard
DIN		ed No-Effect Level	
EAKV		bean Waste Catalogue Directive	
EC		tive Concentration	
EC		bean Community	
EN		bean Standard	
IATA-D		ational Air Transport Association – Dange	erous Goods Regulations
IBC Co			uipment of Ships carrying Dangerous Chemicals in Bulk
ICAO-T			nical Instructions for the Safe Transport of Dangerous
		s by Air	
IMDG C		ational Maritime Code for Dangerous Goo	ods
ISO		ational Organization for Standardization	
LC		I Concentration	
LD	Letha	l Dose	
MARPO	DL Mariti	me Pollution: The International Conventio	n for the Prevention of Pollution from Ships
OECD	Orgar	nisation for Economic Cooperation and De	evelopment
PBT		stent, bioaccumulative, toxic	
PNEC		cted No Effect Concentration	
REACH		tration, Evaluation, Authorisation and Res	
RID	-	lations concerning the International Carria	age of Dangerous Goods by Rail
UN		d Nations	
VOC		le Organic Compounds	
vPvB	very p	persistent and very bioaccumulative	
Furthe	r information		

Further information

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

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in section 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be

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regarded as guaranteed attributes of the product.

* Data changed compared with the previous version