

Article Print Versie		927 27.12.2022 2.0	Härter I für DD-17 Revision date: 10. Issue date: 10.12.	12.2022	EN Page 1 / 13
SEC	TION 1: Ide	entification	of the substance/mixt	ure and of the co	mpany/undertaking
1.1.	Product id	entifier			
		(manufacture e/designation		927 Härter I für DD-17	71
1.2.	Relevant i	dentified use	s of the substance or mi	xture and uses adv	<i>r</i> ised against
1.3.			the safety data sheet		-
_	supplier (m	anufacturer/in	nporter/downstream user/downstream user/downstream user/doen CH-5000 Aarau www.fai	-	
	laboratory l		e for information:		
1.4.		y telephone i			
	Emergency	telephone nu	umber	145 (+41 (0)44 25	51 51 51)
SEC	TION 2: Ha	zards ident	ification		
2.1.	Classificat	ion of the su	ibstance or mixture		
	Classificat	ion accordin	ig to Regulation (EC) No	1272/2008 [CLP]	
			as hazardous according to		1272/2008 [CLP].
	Flam. Liq. 3 Acute Tox. Skin Sens. STOT SE 3	4 / H332 1 / H317	Flammable liquids Acute toxicity (inha Respiratory or skin STOT-single expos	sensitisation	Flammable liquid and vapour. Harmful if inhaled. May cause an allergic skin reaction. May cause respiratory irritation.
	STOT SE 3		STOT-single expos		May cause drowsiness or dizziness.
	-	ronic 3 / H412	2 Hazardous to the a	aquatic environment	Harmful to aquatic life with long lasting effects.
2.2.	Label elem				
			Regulation (EC) No. 1272	2/2008 [CLP]	
	Hazard pic	tograms			
			Warning		
	Hazard sta	tements			
	H226		ammable liquid and vapou	ır.	
	H332 H317		armful if inhaled. ay cause an allergic skin r	eaction	
	H335		ay cause respiratory irritat		
	H336		ay cause drowsiness or di		
	H412		armful to aquatic life with lo	ong lasting effects.	
	Precaution P101	nary stateme	nts medical advice is needed,	have product conta	iner or label at hand
	P102		eep out of reach of children		
	P103		ead carefully and follow all		
	P210 P240		eep away from heat, hot su round and bond container		n flames and other ignition sources. No smoking.
	P240 P241		se explosion-proof electric		
	P242		se non-sparking tools.		
	P243		ake action to prevent static	discharges.	
	P261 P271		void breathing vapours. se only outdoors or in a we		
	P271 P272		ontaminated work clothing		ed out of the workplace.
	P273	A	void release to the environ	ment.	
	P280		ear protective gloves and		
	P302 + P39 P303 + P36		ON SKIN: Wash with pler ON SKIN (or hair): Take o		r. ontaminated clothing. Rinse skin with water [or shower].

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	P312 Call a F P333 + P313 If skin i P362 + P364 Take of P370 + P378 In case P403 + P233 Store ir P405 Keep lo		a POISON CENTER or doctor/physician i in irritation or rash occurs: Get medical ac e off contaminated clothing and wash it be ase of fire: Use extinguishing powder or sa	d up.				
Hazard components for labelling hexamethylene-di-isocyanate HDI-homopolymers n-butyl acetate								
	Suppleme EUH204	Supplemental hazard information EUH204 Contains isocyanates. May produce an allergic reaction.						
Use restriction according to REACH annex XVII, no.: Restrictions on use As from 24 August 2023 adequate training is required before indust		strial or professional use.						
2.3.	Other haza	ards						
	No informa	tion available.						
SEC	TION 3: Co	mposition/in	formation on ingredients					
3.2.	Mixtures	•						
	Descriptio	n poly	isocyanate hardener, containing the follow	ving hazardous substances:				
	Classificat	lassification according to Regulation (EC) No 1272/2008 [CLP]						
	EC No. CAS No. Index No.	REA Des	ACH No. ignation sification: // Remark	w	eight-%			
	500-060-2 28182-81-2	2 HDI	119488934-20 -homopolymers te Tox. 4 H332 / Skin Sens. 1 H317 / S		60 - 80			
	004 050 4	04.0	440405400.00					

607-025-00-1	Flam. Liq. 3 H226 / STOT SE 3 H336 / EUH066	
918-668-5	01-2119455851-35 Hydrocarbons, C9, aromatics, <0.1% benzene	5 - 10
	STOT SE 3 H336 / Asp. Tox. 1 H304 / Aquatic Chronic 2 H411	5-10
212-485-8	01-2119457571-37	
822-06-0	hexamethylene-di-isocyanate	0.1 - 0.5
615-011-00-1	Acute Tox. 3 H331 / Eye Irrit. 2 H319 / STOT SE 3 H335 / Skin Irrit. 2	
	H315 / Resp. Sens. 1 H334 / Skin Sens. 1 H317	
	Specific concentration limit (SCL): Resp. Sens. 1 H334 >= 0.5 / Skin	
	Sens. 1 H317 >= 0.5	
	Acute toxicity estimate (ATE): ATE (inhalation, vapour): 0.12 mg/L	
Additional inform	nation	

15 - 25

Full text of classification: see section 16

01-2119485493-29

n-butyl acetate

SECTION 4: First aid measures

204-658-1

123-86-4

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

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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.%.

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

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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:

not applicable

DNEL:

hexamethylene-di-isocyanate

Index No. 615-011-00-1 / EC No. 212-485-8 / CAS No. 822-06-0 DNEL acute inhalative (local), Workers: 0,07 mg/m³ DNEL long-term inhalative (systemic), Workers: 0,035 mg/m³

n-butyl acetate

Index No. 607-025-00-1 / EC No. 204-658-1 / CAS No. 123-86-4 DNEL short-term oral (acute), Workers:

DNEL long-term inhalative (systemic), Workers: 480 mg/m³

DNEL long-term inhalative (systemic), Consumer: 102,34 mg/m³

HDI-homopolymers

EC No. 500-060-2 / CAS No. 28182-81-2

DNEL acute inhalative (local), Workers: 1 mg/m³

DNEL long-term inhalative (local), Workers: 0,5 mg/m³

PNEC:

n-butyl acetate

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

PNEC aquatic, freshwater: 0,18 mg/L

PNEC aquatic, marine water: 0,018 mg/L

PNEC aquatic, intermittent release: 0,36 mg/L

PNEC sediment, freshwater: 0,981 mg/kg Sediment dry weight

PNEC sediment, marine water: 0,0981 mg/kg Sediment dry weight

PNEC, soil: 0,0903 mg/kg Sediment dry weight

PNEC sewage treatment plant (STP): 35,6 mg/L

HDI-homopolymers

EC No. 500-060-2 / CAS No. 28182-81-2

PNEC aquatic, freshwater: 0,127 mg/L

PNEC aquatic, marine water: 0,0127 mg/L

PNEC sediment, freshwater: 266700 mg/kg Sediment dry weight

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PNEC sediment, marine water: 266700 mg/kg Sediment dry weight PNEC, soil: 53182 mg/kg PNEC sewage treatment plant (STP): 38,28 mg/L

8.2. Exposure 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. 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

Physical state: Colour:	Liquid refer to label
Odour:	characteristic
Odour threshold:	not applicable
Melting point/freezing point:	not applicable
Initial boiling point and boiling range:	126 °C Source: n-butyl acetate
Flammability	Flammable liquid and vapour.
Lower and upper explosion limit Lower explosion limit: Upper explosion limit:	1.38 Vol-% 12.7 Vol-% Source: Dowanol PGDA
Flash point:	25 °C Method: DIN 53213
Auto-ignition temperature:	370 °C Source: n-butyl acetate
Decomposition temperature:	not applicable
pH at 20 °C:	not applicable
Cinematic viscosity (40°C):	< 80 mm²/s
Viscosity: at 20 °C: Solubility(ies):	16 - 19 sec DIN 4mm
Water solubility at 20 °C:	insoluble
Partition coefficient: n-octanol/water:	see section 12

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	Vapour p	ressure at 20 °C:		13 mbar Source: n-butyl a	cetate
	Density a Density a	nd/or relative der at 20 °C:	isity:	1.07 g/cm³	
	Relative v	apour density:		not applicable	
	particle c	haracteristics:		not applicable	
9.2.	Other information			*	
	Solid con	tent:		69 weight-%	
	solvent co Organic Water:	ontent: solvents:		31 weight-% 0 weight-%	
SEC	TION 10: 3	Stability and rea	activity		
10.1.	Reactivity Reacts wit		arbon dioxide, prod	ucing bursting haza	rd 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.	Possibilit	y of hazardous re	actions		
			•	• •	agents to avoid exothermic reactions.Reacts with water, ners due to build-up of pressure.
10.4.		en applying the re	•	•	d handling. Further information on correct storage: refer to osure 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

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

Acute toxicity

Harmful if inhaled.

hexamethylene-di-isocyanate oral, LD50, Rat: 746 mg/kg Method: OECD 401 dermal, LD50, Rat: > 7000 mg/kg Method: OECD 402 dermal, LD50, Rabbit: 570 mg/kg inhalative (vapours), LC50, Rat: 0,124 mg/L (4 h) Method: OECD 403 inhalative (vapours), LC50, Mouse: 1,57 mg/L n-butyl acetate

oral, LD50, Rat: 10760 mg/kg Method: OECD 423 dermal, LD50, Rabbit: 14112 mg/kg Method: OECD 402 inhalative (dust and mist), LC50, Rat: 23,4 mg/L (4 h) Method: OECD 403

HDI-homopolymers dermal, LD50, Rat: > 2000 mg/kg Method: OECD 402 inhalative (vapours), LC50, Rat: 543 mg/L (4 h) Method: OECD 403

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	ve (vapours), LC50, : OECD 403	Rat, female: 390 mg/m³ (4 h)		
oral, LD dermal,	bons, C9, aromatic: 50, Rat: 3492 mg/k LD50, Rabbit: > 31 /e (vapours), LC50,	g		
		erious eye damage/eye irritation		
Skin (4 Method Corrosiv eyes	: OECD 404	9		
	-	n.; Causes serious eye damage.		
Method No skin eyes	cetate abbit (4 h) : OECD 404 irritation : OECD 405			
No eye	irritation opolymers			
Skin, Ra Method mild irrit eyes, R	abbit (4 h) : OECD 404 tant. abbit : OECD 405			
Skin (4 Method Not to b eyes Method	: OECD 404 e classified as skin : OECD 405	etching/irritant.		
		ere eye damage or eye irritation.		
-	ory or skin sensiti			
hexametl Skin, Gi Method Respira	se an allergic skin re nylene-di-isocyanate uinea pig: ; Evaluati : OECD 406 tory system, Guinea : OECD 406	e		
Method	cetate uinea pig: ; Evaluati : OECD 406 mouse ear swelling	-		
HDI-hom Skin, Gi Method Magnus Respira Method	opolymers uinea pig: ; Evaluati : OECD 406 son/Klingmann test			
Hydrocar Skin:	bons, C9, aromatics	s, <0.1% benzene		
Not to b	: OECD 406 be classified as skin tory system:	sensitising.		

ticle No.: int date: ersion:	927 27.12.2022 2.0	Härter I für DD-171 Revision date: 10.12.2022 Issue date: 10.12.2022	EN Page 8 / 13
No dat	a available		
CMR ef	fects (carcinogenici	ty, mutagenicity and toxicity for rep	production)
hexame	thylene-di-isocyanate		
Mutag Carcin Showe Reproo No effe	ogenicity ed no carcinogenic ef ductive toxicity ect on fertility in anim	ect in animal experiments. al studies.	arian cells of Chinese hamster Result: negative
	oxicity in vivo; Evalua d: OECD 474	tion negative	
Mouse Genote Metho Salmo teratog	e; Inhalation; bone ma oxicity in vitro; Evalua d: Ames test nella typhimurium genicity		
n-butyl a	acetate	aluation Ames test negative.	
HDI-hor Germ The pr Carcin No dat Repro	nopolymers cell mutagenicity	tagenic properties in bacteria and ma	mmalian cell cultures.
Germ Not to Carcin There Repro Does r	ogenicity	a cell mutagen (mutagen). at indicate positive results of kidney c ogen.	ancer.
STOT-s	ingle exposure; ST	OT-repeated exposure	
May cau	use respiratory irritation	on.	
Мау са	use drowsiness or diz	ziness.	
Specif May ca Specif			em
centra Specif humar	ic target organ toxicit I nervous system; Ma ic target organ toxicit n; Prolonged or repea	y cause drowsiness or dizziness. / (repeated exposure)	of natural fat from the skin resulting in dermatitis (skin sness.
Specif	ic target organ toxicit	γ (single exposure) Evaluation May α γ (repeated exposure) Evaluation Af	cause respiratory irritation. ter repeated recording, the local irritant effect is in the
Specif May ca consci Specif	ousness, nausea and	(single exposure) ion and depression of central nervou	s system with drowsiness, dizziness, weakness, loss o

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Aspiration hazard

n-butyl acetate

Aspiration hazard; Evaluation No classification for aspiration toxicity

HDI-homopolymers

Aspiration hazard; Evaluation No danger of aspiration to be assumed.

Hydrocarbons, C9, aromatics, <0.1% benzene

Aspiration hazard

May be fatal if swallowed and enters airways.

Practical experience/human evidence

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.

11.2. Information on other hazards

Endocrine disrupting properties

No information available.

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

loxiony
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
n-butyl acetate Fish toxicity, LC50, Pimephales promelas (fathead minnow): 18 mg/L (96 h) Method: OECD 203 Daphnia toxicity, EC50, Daphnia magna (Big water flea): 44 mg/L (48 h) Algae toxicity, EC50 Algae toxicity, EC50, Desmodesmus subspicatus: 647,7 mg/L (72 h) (Growth inhibition) Algae toxicity, NOEC, Desmodesmus subspicatus: 200 mg/L Bacteria toxicity, IC50, Tetrahymena: 356 mg/L (40 h)
HDI-homopolymers Fish toxicity, LC50, Danio rerio (zebrafish): > 100 mg/L (96 h) Method: OECD 203 Daphnia toxicity, EC50, Daphnia magna: > 100 mg/L (48 h) Method: OECD 202 Algae toxicity, IC50, Scenedesmus subspicatus: > 100 mg/L (72 h) Method: OECD 201 Bacteria toxicity, EC50, Activated sludge: 1000 mg/L (3 h)

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	Method:	OECD 209					
	Fish toxic		s, <0.1% benzene ynchus mykiss (Rainbow trout): 9,2 mg phnia magna: 1,6 mg/L (48 h)	/L (96 h)			
	Long-term	n Ecotoxicity					
	Harmful to aquatic life with long lasting effects.						
12.2.	Persisten	ce and degradabi	lity				
	Biodegra	/lene-di-isocyanate dation: < 0,0001 p OECD 302C	ercent (28 d); Evaluation Poorly elimin	nated from water.			
	Biodegra	ice and degradabil	ity: Evaluation No data available (28 d); Evaluation Readily biodegrad	able (according to OECD criteria).			
	HDI-homopolymers Biodegradation: Evaluation Not readily biodegradable (according to OECD criteria) Method: OECD 301C						
		Hydrocarbons, C9, aromatics, <0.1% benzene Biodegradation: Evaluation Readily biodegradable (according to OECD criteria).					
12.3.	Bioaccum	ulative potential					
	n-butyl acetate Distribution coefficient n-octanol/water (log KOW): No data available						
	HDI-homo Distributi No data a	on coefficient n-oc	tanol/water (log KOW):				
	Hydrocarbons, C9, aromatics, <0.1% benzene Distribution coefficient n-octanol/water (log KOW): 3,7 - 4,5						
	Bioconcentration factor (BCF)						
	-	cal data are not av	ailable.				
12.4.	Mobility ir						
	n-butyl ace	etate					
	No data a	available					
	HDI-homopolymers						
	soil: No data a	available					
	Hydrocarbons, C9, aromatics, <0.1% benzene soil:						
	No data a	available					
12.5.		f PBT and vPvB a					
			e do not meet the PBT/vPvB criteria ac	ccording to REACH, annex XIII.			
	Endocrine disrupting properties No information available.						
12.7. Other adverse effects No information available.							
SEC	TION 13: [ION 13: Disposal considerations					
13.1.	Waste trea	atment methods					
	Appropria Recomme	te disposal / Proc	luct				

Recommendation

Do not allow to enter into surface water or drains. Handle contaminated packages in the same way as the substance itself. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC,

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С	covering wa	ste and dangerous	s waste.				
	-	osed waste code		tions in accord	ance with EW	с	
)80111* Hazardous	Waste p waste according to	paint and varnish of Directive 2008/9				s substances
F	Recommen						
Ν	Non-contam	inated packages n	nay be recycled. \	/essels not prop	erly emptied a	re special waste	Э.
ECTI	ION 14: Tr	ansport informa	ation				
4.1. L	JN number	or ID number					
				UN 1263			
		shipping name		Deint			
	Land transpo Sea transpo	ort (ADR/RID):		Paint PAINT			
		: (ICAO-TI / IATA-E)GR) [.]	Paint			
	-	azard class(es)		i unit			
1.0. 1	runoport i			3			
4.4. F	Packing gro	oup					
	55			111			
1.5. E	Environme	ntal hazards					
L	_and transp	ort (ADR/RID)		not applicable			
	Marine pollu			not applicable			
	•						
Т	Special precautions for user Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.						
A	Advices on a	safe handling: see	parts 6 - 8				
	urther info	ormation					
Ē							
Ē		port (ADR/RID)		D/E			
E L T	_and trans	oort (ADR/RID) iction code		D/E			
F L T S	and transp Funnel restr	oort (ADR/RID) iction code					
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500-060-2 28182-81-		HDI-homopolymers		01-2119488934-20
204-658-1 123-86-4	n-butyl	acetate		01-2119485493-29
918-668-5	Hydroc	arbons, C9, aromatics, <0.1% benze	ne	01-2119455851-35
212-485-8 822-06-0	hexam	ethylene-di-isocyanate		01-2119457571-37

SECTION 16: Other information

UN

VOC

vPvB

United Nations

Volatile Organic Compounds

very persistent and very bioaccumulative

Full fauf of also off	action in contion 2.				
Full text of classific		Harmful if inholod			
Acute Tox. 4 / H332	Acute toxicity (inhalative)	Harmful if inhaled.			
Skin Sens. 1 / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.			
STOT SE 3 / H335	STOT-single exposure	May cause respiratory irritation.			
Flam. Liq. 3 / H226	Flammable liquids	Flammable liquid and vapour.			
STOT SE 3 / H336	STOT-single exposure	May cause drowsiness or dizziness.			
Asp. Tox. 1 / H304	Aspiration hazard	May be fatal if swallowed and enters airways.			
Aquatic Chronic 2 / H		Toxic to aquatic life with long lasting effects.			
Acute Tox. 3 / H331	Acute toxicity (inhalative)	Toxic if inhaled.			
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.			
Skin Irrit. 2 / H315	Skin corrosion/irritation	Causes skin irritation.			
Resp. Sens. 1 / H33	4 Respiratory or skin sensitisation	May cause allergy or asthma symptoms or			
		breathing difficulties if inhaled.			
Classification proc					
	tures and used evaluation method according to regul				
Flam. Liq. 3	Flammable liquids	On basis of test data.			
Acute Tox. 4	Acute toxicity (inhalative)	Calculation method.			
Skin Sens. 1	Respiratory or skin sensitisation	Calculation method.			
STOT SE 3	STOT-single exposure	Calculation method.			
STOT SE 3	STOT-single exposure	Calculation method.			
Aquatic Chronic 3	Hazardous to the aquatic environment	Calculation method.			
Abbreviations and	acronyms				
ADR	European Agreement concerning the International	Carriage of Dangerous Goods by Road			
OEL	Occupational Exposure Limit Value				
BLV	Biological Limit Value				
CAS	Chemical Abstracts Service				
CLP	Classification, Labelling and Packaging				
CMR	Carcinogenic, Mutagenic and Reprotoxic				
DIN	German Institute for Standardization / German indu	istrial standard			
DNEL	Derived No-Effect Level				
EAKV	European Waste Catalogue Directive				
EC	Effective Concentration				
EC	European Community				
EN	European Standard				
IATA-DGR	International Air Transport Association – Dangerous Goods Regulations				
IBC Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk				
ICAO-TI					
	Goods by Air				
IMDG Code	International Maritime Code for Dangerous Goods				
ISO	International Organization for Standardization				
LC	Lethal Concentration				
LD	Lethal Dose				
MARPOL	Maritime Pollution: The International Convention for	r the Prevention of Pollution from Ships			
OECD	Organisation for Economic Cooperation and Develo				
PBT	persistent, bioaccumulative, toxic				
PNEC	Predicted No Effect Concentration				
REACH					
RID	Regulations concerning the International Carriage				
	Lipited Nations				

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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 regarded as guaranteed attributes of the product.

* Data changed compared with the previous version