-C1	TON 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1	Product identifier: HARDENER FOR CLEAR COAT HS 1:2
	Other means of identification:
	UFI: X1XG-809T-700P-1Y3T
2	Relevant identified uses of the substance or mixture and uses advised against:
	Relevant uses: Car repair; hardener for coatings. For professional users only.
	Uses advised against: All uses not specified in this section or in section 7.3
3	Details of the supplier of the safety data sheet:
	Troton Sp. z o.o. Ząbrowo 14A 78-120 Gościno - Zachodniopomorskie - Polska Phone: +48 94 35 123 94 - Fax: +48 94 35 126 22 troton@troton.com.pl www.troton.pl / www.troton.eu
4	Emergency telephone number: (8am-4pm)+48 094 35 123 94; 112
	TION 2: HAZARDS IDENTIFICATION
1	Classification of the substance or mixture:
	CLP Regulation (EC) No 1272/2008:
	Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008. Acute Tox. 4: Acute inhalation toxicity, Category 4, H332 Flam. Liq. 3: Flammable liquids, Category 3, H226 Skin Sens. 1: Sensitisation, skin, Category 1, H317 STOT SE 3: Respiratory tract toxicity, single exposure, Category 3, H335
.2	STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336 Label elements:
	CLP Regulation (EC) No 1272/2008:
	Warning
	Hazard statements:
	Acute Tox. 4: H332 - Harmful if inhaled. Flam. Liq. 3: H226 - Flammable liquid and vapour. Skin Sens. 1: H317 - May cause an allergic skin reaction. STOT SE 3: H335 - May cause respiratory irritation. STOT SE 3: H336 - May cause drowsiness or dizziness. Precautionary statements:
	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	 P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear. P302+P352: IF ON SKIN: Wash with plenty of water. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P403+P233: Store in a well-ventilated place. Keep container tightly closed. P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.
	Supplementary information:
	EUH066: Repeated exposure may cause skin dryness or cracking. EUH204: Contains isocyanates. May produce an allergic reaction.
	Substances that contribute to the classification
	Hexamethylene diisocyanate, oligomers; N-butyl acetate; 2-butoxyethyl acetate; Xylene
	Additional Labelling:
	As from 24 August 2023 adequate training is required before industrial or professional use.



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SEC	TION 2: HAZAR	.DS IDEN	TIFICATION (co	ontinued)				
2.3		meet PBT/ pting prop	VPVB criteria erties: The product /INFORMATION					
.1	Substance: Non-applicable Mixture:							
	Components:	-	Mixture composed II of Regulation (E		roducts 006 (point 3), the produ	ct contains:		
	Identificatio	-			Chemical name/Classification	ı		Concentratio
	Identificatio CAS: 28182-81-2 EC: 931-274-8 Index: Non-applicab REACH: 01-21194857 XXXX	ble	Hexamethylene diiso Regulation 1272/2008		•		Self-classified	
	CAS: 28182-81-2 EC: 931-274-8 Index: Non-applicab REACH: 01-21194857	ble 796-17-	-		ners ⁽¹⁾		•	
	CAS: 28182-81-2 EC: 931-274-8 Index: Non-applicab REACH: 01-21194857 XXXX	ble 796-17-	Regulation 1272/2008	Acute Tox. 4: H33	ners ⁽¹⁾	3: H335 - Warning	٩	50 - <75 %
	CAS: 28182-81-2 EC: 931-274-8 Index: Non-applicab REACH: 01-21194857 XXXX CAS: 123-86-4 EC: 204-658-1 Index: 607-025-00- REACH: 01-21194854 XXXX CAS: 112-07-2	ble 796-17- 1 493-29-	Regulation 1272/2008 N-butyl acetate ⁽¹⁾	Acute Tox. 4: H33 Flam. Liq. 3: H226	ners(1) 2; Skin Sens. 1: H317; STOT SE :	3: H335 - Warning	ATP CLP00	50 - <75 %
	CAS: 28182-81-2 EC: 931-274-8 Index: Non-applicab REACH: 01-21194857 XXXX CAS: 123-86-4 EC: 204-658-1 Index: 607-025-00- REACH: 01-21194854 XXXX	ble 796-17- 1 493-29- 2	Regulation 1272/2008 N-butyl acetate ⁽¹⁾ Regulation 1272/2008	Acute Tox. 4: H33 Flam. Liq. 3: H226	ners(1) 2; Skin Sens. 1: H317; STOT SE :	3: H335 - Warning	(1) ATP CLP00 (1) (8)	50 - <75 % 10 - <25 %
	CAS: 28182-81-2 EC: 931-274-8 Index: Non-applicab REACH: 01-21194857 XXXX XXXX CAS: 123-86-4 EC: 204-658-1 Index: 607-025-00- REACH: 01-21194854 XXXX XXXX CAS: 112-07-2 EC: 203-933-3 Index: 607-038-00 REACH: 01-21194751 XXXX XXXX CAS: 108-65-6	ble 796-17- 1 493-29- 2 112-47-	Regulation 1272/2008 N-butyl acetate ⁽¹⁾ Regulation 1272/2008 2-butoxyethyl acetat	Acute Tox. 4: H33 Flam. Liq. 3: H226 te(1) Acute Tox. 4: H31	ners ⁽¹⁾ 2; Skin Sens. 1: H317; STOT SE : ; STOT SE 3: H336; EUH066 - W 2+H332 - Warning	3: H335 - Warning	ATP CLP00	50 - <75 % 10 - <25 %
	CAS: 28182-81-2 EC: 931-274-8 Index: Non-applicab REACH: 01-21194857 XXXX CAS: 123-86-4 EC: 204-658-1 Index: 607-025-00- REACH: 01-21194854 XXXX CAS: 112-07-2 EC: 203-933-3 Index: 607-038-00-7 REACH: 01-21194751 XXXX	ble 796-17- 1 493-29- 2 112-47- 2 7	Regulation 1272/2008 N-butyl acetate ⁽¹⁾ Regulation 1272/2008 2-butoxyethyl acetat Regulation 1272/2008	Acute Tox. 4: H33 Flam. Liq. 3: H226 te(1) Acute Tox. 4: H31	ners(1) 2; Skin Sens. 1: H317; STOT SE : 5; STOT SE 3: H336; EUH066 - W 2+H332 - Warning	3: H335 - Warning	ATP CLP00 () () ATP CLP00 () ()	50 - <75 % 10 - <25 % 5 - <10 %
	CAS: 28182-81-2 EC: 931-274-8 Index: Non-applicab REACH: 01-21194857 XXXX XXXX CAS: 123-86-4 EC: 204-658-1 Index: 607-025-00- REACH: 01-21194857 XXXX XXXX CAS: 112-07-2 EC: 203-933-3 Index: 607-038-00-7 REACH: 01-21194751 XXXX CAS: CAS: 108-65-6 EC: 203-603-9 Index: 607-195-00-7	2 796-17- 1 493-29- 2 112-47- 7 791-29-	Regulation 1272/2008 N-butyl acetate ⁽¹⁾ Regulation 1272/2008 2-butoxyethyl acetat Regulation 1272/2008 2-methoxy-1-methyl	Acute Tox. 4: H33 Flam. Liq. 3: H226 te(1) Acute Tox. 4: H31 ethyl acetate(2	ners(1) 2; Skin Sens. 1: H317; STOT SE : 5; STOT SE 3: H336; EUH066 - W 2+H332 - Warning	3: H335 - Warning	ATP CLP00 ATP CLP00 ATP CLP00 ① ATP ATP01	Concentratio 50 - <75 % 10 - <25 % 5 - <10 % 5 - <10 %

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878 ⁽²⁾ Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

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SEC	TION 4: FIRST	AID MEASURES (continued)		
	If the injured p		be removed unless they are s	e person affected to rub or close their eyes. stuck to the eyes, in which case this could uickly as possible with the SDS of the
	By ingestion/	aspiration:		
4.2	out the mouth	romiting, but if it does happen keep the and throat, as they may have been affer nt symptoms and effects, both acu t	cted during ingestion.	n. Keep the person affected at rest. Rinse
	Acute and delay	yed effects are indicated in sections 2 a	nd 11.	
4.3	Indication of	any immediate medical attention a	nd special treatment need	ed:
	Non-applicable			
	Non-applicable			
SEC		GHTING MEASURES	- 	
SEC 5.1		GHTING MEASURES		
	TION 5: FIREFI Extinguishing	GHTING MEASURES		
	TION 5: FIREFI Extinguishing Suitable extin	GHTING MEASURES media: guishing media:	- 	oam or carbon dioxide extinguishers (CO2).
	TION 5: FIREFI Extinguishing Suitable extin If possible use p	GHTING MEASURES media: guishing media:	- 	
	TION 5: FIREFI Extinguishing Suitable extin If possible use p Unsuitable ext	GHTING MEASURES media: guishing media: polyvalent powder fire extinguishers (AB	C powder), alternatively use fo	
	TION 5: FIREFI Extinguishing Suitable extin If possible use p Unsuitable ext IT IS RECOMME	GHTING MEASURES media: guishing media: polyvalent powder fire extinguishers (AB tinguishing media:	C powder), alternatively use for xtinguishing agent.	

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

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ECT	ION 7: HANDLIN	ig and	STORAGE						
.1	Precautions for s	safe han	dling:						
	A General precau	itions for	safe use						
	spills and resid cleanliness whe	ues, dest ere dange	roying them with safe metho erous products are used.	ods (section 6). Avoid leakages	eep containers hermetically sealed. Control s from the container. Maintain order and				
	B Technical record	mmendat	ions for the prevention of fire	es and explosions					
	inertization sys possibility of el clothes made c requirements fo protecting the 10 for condition	tems whe ectrostation of acrylic or equipn security a ns and m	ere possible. Transfer at a slo ic charges: ensure a perfect fibres, preferably wearing co nent and systems defined in	by speed to avoid the creation equipotential connection, alwa tton clothing and conductive for Directive 2014/34/EC (ATEX 1 the selection criteria of Directi ed.	bus atmospheres inside containers, applying a of electrostatic charges. Against the ays use groundings, do not wear work botwear. Comply with the essential security 00) and with the minimum requirements for ve 1999/92/EC (ATEX 137). Consult section				
	Do not eat or o	drink duri	ng the process, washing han	ds afterwards with suitable cle	eaning products.				
	D Technical recor	mmendat	ions to prevent environment	al risks					
	It is recommen	ded to ha	ave absorbent material availa	able at close proximity to the p	product (See subsection 6.3)				
7.2	Conditions for sa	afe stora	ige, including any incomp	oatibilities:					
	A Technical meas	sures for	storage						
	Minimum Temp	o.:	15 °C						
	Maximum Tem	p.:	25 °C						
	Maximum time	:	12 Months						
	B General conditions for storage								
	Avoid sources	of heat, r	adiation, static electricity and	d contact with food. For additi	onal information see subsection 10.5				
7.3	Specific end use	(s):							
	Except for the inst product.	ructions a	already specified it is not nec	ressary to provide any special	recommendation regarding the uses of this				
SECT	ION 8: EXPOSUR	RE CONT	FROLS/PERSONAL PROT	FCTION					

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC, Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupa	ational exposure lin	mits
N-butyl acetate	IOELV (8h)	50 ppm	241 mg/m ³
CAS: 123-86-4 EC: 204-658-1	IOELV (STEL)	150 ppm	723 mg/m ³
2-butoxyethyl acetate	IOELV (8h)	20 ppm	133 mg/m ³
CAS: 112-07-2 EC: 203-933-3	IOELV (STEL)	50 ppm	333 mg/m ³
2-methoxy-1-methylethyl acetate	IOELV (8h)	50 ppm	275 mg/m ³
CAS: 108-65-6 EC: 203-603-9	IOELV (STEL)	100 ppm	550 mg/m ³
Xylene	IOELV (8h)	50 ppm	221 mg/m ³
CAS: 1330-20-7 EC: 215-535-7	IOELV (STEL)	100 ppm	442 mg/m ³

DNEL (Workers):

	Short e	xposure	Long exposure		
Identification		Systemic	Local	Systemic	Local
Hexamethylene diisocyanate, oligomers	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 28182-81-2	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 931-274-8	Inhalation	Non-applicable	1 mg/m³	Non-applicable	0,5 mg/m ³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

		Short	exposure	Long	exposure
Identification		Systemic	Local	Systemic	Local
N-butyl acetate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-86-4	Dermal	11 mg/kg	Non-applicable	11 mg/kg	Non-applicable
EC: 204-658-1	Inhalation	600 mg/m ³	600 mg/m ³	300 mg/m ³	300 mg/m ³
2-butoxyethyl acetate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-07-2	Dermal	120 mg/kg	Non-applicable	169 mg/kg	Non-applicable
EC: 203-933-3	Inhalation	Non-applicable	333 mg/m ³	133 mg/m ³	Non-applicable
2-methoxy-1-methylethyl acetate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-65-6	Dermal	Non-applicable	Non-applicable	796 mg/kg	Non-applicable
EC: 203-603-9	Inhalation	Non-applicable	550 mg/m ³	275 mg/m ³	Non-applicable
Xylene	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1330-20-7	Dermal	Non-applicable	Non-applicable	212 mg/kg	Non-applicable
EC: 215-535-7	Inhalation	442 mg/m ³	442 mg/m ³	221 mg/m ³	221 mg/m ³

DNEL (General population):

		Short e	xposure	Long e	xposure
Identification	Systemic	Local	Systemic	Local	
N-butyl acetate	Oral	2 mg/kg	Non-applicable	2 mg/kg	Non-applicable
CAS: 123-86-4	Dermal	6 mg/kg	Non-applicable	6 mg/kg	Non-applicable
EC: 204-658-1	Inhalation	300 mg/m ³	300 mg/m ³	35,7 mg/m ³	35,7 mg/m ³
2-butoxyethyl acetate	Oral	36 mg/kg	Non-applicable	8,6 mg/kg	Non-applicable
CAS: 112-07-2	Dermal	72 mg/kg	Non-applicable	102 mg/kg	Non-applicable
EC: 203-933-3	Inhalation	Non-applicable	200 mg/m ³	80 mg/m ³	Non-applicable
2-methoxy-1-methylethyl acetate	Oral	Non-applicable	Non-applicable	36 mg/kg	Non-applicable
CAS: 108-65-6	Dermal	Non-applicable	Non-applicable	320 mg/kg	Non-applicable
EC: 203-603-9	Inhalation	Non-applicable	Non-applicable	33 mg/m ³	33 mg/m ³
Xylene	Oral	Non-applicable	Non-applicable	12,5 mg/kg	Non-applicable
CAS: 1330-20-7	Dermal	Non-applicable	Non-applicable	125 mg/kg	Non-applicable
EC: 215-535-7	Inhalation	260 mg/m ³	260 mg/m ³	65,3 mg/m ³	65,3 mg/m ³

PNEC:

Identification				
Hexamethylene diisocyanate, oligomers	STP	88 mg/L	Fresh water	0,127 mg/L
CAS: 28182-81-2	Soil	53183 mg/kg	Marine water	0,013 mg/L
EC: 931-274-8	Intermittent	1,27 mg/L	Sediment (Fresh water)	266701 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	26670 mg/kg
N-butyl acetate	STP	35,6 mg/L	Fresh water	0,18 mg/L
CAS: 123-86-4	Soil	0,09 mg/kg	Marine water	0,018 mg/L
EC: 204-658-1	Intermittent	0,36 mg/L	Sediment (Fresh water)	0,981 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,098 mg/kg
2-butoxyethyl acetate	STP	90 mg/L	Fresh water	0,304 mg/L
CAS: 112-07-2	Soil	0,415 mg/kg	Marine water	0,03 mg/L
EC: 203-933-3	Intermittent	0,56 mg/L	Sediment (Fresh water)	2,03 mg/kg
	Oral	0,06 g/kg	Sediment (Marine water)	0,203 mg/kg
2-methoxy-1-methylethyl acetate	STP	100 mg/L	Fresh water	0,635 mg/L
CAS: 108-65-6	Soil	0,29 mg/kg	Marine water	0,064 mg/L
EC: 203-603-9	Intermittent	6,35 mg/L	Sediment (Fresh water)	3,29 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,329 mg/kg
Xylene	STP	6,58 mg/L	Fresh water	0,327 mg/L
CAS: 1330-20-7	Soil	2,31 mg/kg	Marine water	0,327 mg/L
EC: 215-535-7	Intermittent	0,327 mg/L	Sediment (Fresh water)	12,46 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	12,46 mg/kg

8.2 Exposure controls:

TION	N 8: EXPOSURE	CONTROLS/PERSON	AL PROTECT	ION (continued)		
Δ-	Individual protect	tion measures, such as pe	ersonal protect	ive equipment		
	As a preventative marking>> in acc use, cleaning, ma information see s	e measure it is recommen cordance with Regulation aintenance, class of prote ubsection 7.1. All inform evention services as it is	ded to use bas (EU) 2016/425 ction,) consu ation contained	ic Personal Protective Equi 5. For more information on It the information leaflet p	Person rovided ion whic	with the corresponding < <ce al Protective Equipment (storag by the manufacturer. For more ch needs some specification from measures at its disposal.</ce
	Pictogram	PPE	Labelling	CEN Standard		Remarks
	Mandatory respiratory tract protection	Filter mask for gases and vapours (Filter type: A)	CAT III	EN 405:2002+A1:2010	COL	ace when there is a taste or smell of th ntaminant inside the face mask. If the ontaminant comes with warnings it is ommended to use isolation equipment.
C	Specific protectio	n for the hands			-	
	Pictogram	PPE	Labelling	CEN Standard		Remarks
		NON-disposable chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.4 mm)		EN ISO 374-1:2016+A1:2018 EN 16523-1:2015+A1:2018 EN ISO 21420:2020	manufac the pro	e Breakthrough Time indicated by the cturer must exceed the period during v oduct is being used. Do not use protect s after the product has come into cont
D		a mixture of several subs d has therefore to be che	stances, the res		rial can	with skin. not be calculated in advance wi Remarks
D	Protection As the product is total reliability an Eye and face prof Pictogram	a mixture of several subs d has therefore to be che tection	stances, the res	he application.	Clean o	not be calculated in advance wi
	As the product is total reliability an Eye and face prod Pictogram	a mixture of several subs d has therefore to be che tection PPE Panoramic glasses against	stances, the rest ecked prior to t Labelling	CEN Standard EN 166:2002	Clean o	not be calculated in advance wi Remarks daily and disinfect periodically accordin nufacturer's instructions. Use if there
	Protection As the product is total reliability an Eye and face prod Pictogram Mandatory face protection	a mixture of several subs d has therefore to be che tection PPE Panoramic glasses against	stances, the rest ecked prior to t Labelling	CEN Standard EN 166:2002	Clean o	not be calculated in advance wi Remarks daily and disinfect periodically accordin nufacturer's instructions. Use if there
	Protection As the product is total reliability an Eye and face prod Pictogram Pictogram Mandatory face protection Body protection	a mixture of several subs d has therefore to be che tection PPE Panoramic glasses against splash/projections.	Labelling	he application. CEN Standard EN 166:2002 EN ISO 4007:2018	Clean o the ma	not be calculated in advance wi Remarks daily and disinfect periodically accordin nufacturer 's instructions. Use if there risk of splashing.
E	protection As the product is total reliability an Eye and face prod Pictogram Mandatory face protection Pictogram Pictogram Mandatory complete body protection	a mixture of several subs d has therefore to be che tection PPE Panoramic glasses against splash/projections. PPE Disposable clothing for protection against chemical risks, with antistatic and fireproof properties Safety footwear for protection against chemical risk, with antistatic and heat risk, with antistatic and heat	Labelling Labelling Labelling Labelling Labelling	CEN Standard EN 166:2002 EN ISO 4007:2018 CEN Standard EN 1149-1,2,3 EN 13034:2005+A1:2009 EN ISO 13982- 1:2004/A1:2010 EN ISO 6529:2013 EN ISO 6529:2013 EN ISO 6530:2005 EN ISO 13688:2013	Clean o the ma	not be calculated in advance wi Remarks daily and disinfect periodically accordin inufacturer 's instructions. Use if there risk of splashing. Remarks professional use only. Clean periodicall
E	protection As the product is total reliability an Eye and face prod Pictogram Mandatory face protection Pictogram Pictogram Mandatory complete body protection	a mixture of several subs d has therefore to be che tection PPE Panoramic glasses against splash/projections. PPE Disposable clothing for protection against chemical risks, with antistatic and fireproof properties Safety footwear for protection against chemical risk, with antistatic and heat risk, with antistatic and heat	Labelling Labelling Labelling Labelling Labelling	CEN Standard EN 166:2002 EN 1SO 4007:2018 CEN Standard EN 13034:2005+A1:2009 EN 1SO 13982- 1:2004/A1:2010 EN ISO 6530:2005 EN ISO 13688:2013 EN ISO 13287:2020 EN ISO 13287:2020 EN ISO 20345:2011	Clean o the ma	not be calculated in advance wi Remarks daily and disinfect periodically accordin inufacturer's instructions. Use if there risk of splashing. Remarks professional use only. Clean periodicall 'ding to the manufacturer's instruction
E	protection As the product is total reliability an Eye and face prod Pictogram Mandatory face protection Pictogram Pictogram Mandatory complete body protection	a mixture of several subs d has therefore to be che tection PPE Panoramic glasses against splash/projections. PPE Disposable clothing for protection against chemical risks, with antistatic and fireproof properties Safety footwear for protection against chemical risk, with antistatic and heat resistant properties ency measures	Labelling Labelling Labelling Labelling Labelling	CEN Standard EN 166:2002 EN 1SO 4007:2018 CEN Standard EN 13034:2005+A1:2009 EN 1SO 13982- 1:2004/A1:2010 EN ISO 6530:2005 EN ISO 13688:2013 EN ISO 13287:2020 EN ISO 13287:2020 EN ISO 20345:2011	Clean o the ma	not be calculated in advance wi Remarks daily and disinfect periodically accordin inufacturer's instructions. Use if there risk of splashing. Remarks professional use only. Clean periodicall 'ding to the manufacturer's instruction

spillage of both the product and its container. For additional information see subsection 7.1.D

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECT	FION 9: PHYSICA	AL AND CHEMICAL PROPERTIES	S (continued)	
9.1	Information on	basic physical and chemical pro	perties:	
I	For complete infor	ormation see the product datasheet.		
	Appearance:			
	Physical state at 2	20 °C:	Liquid	
	Appearance:		Not available	
	Colour:		Not available	
	Odour:		Not available	
	Odour threshold:		Non-applicable *	
	Volatility:			
	Boiling point at at	tmospheric pressure:	140 °C	
	Vapour pressure a	at 20 °C:	860 Pa	
	Vapour pressure a		4392,24 Pa (4,39 kPa)	
	Evaporation rate a		Non-applicable *	
	Product descrip			
	Density at 20 °C:		1010 kg/m ³	
	Relative density at		1,01	
	Dynamic viscosity		3000 cP	
	Kinematic viscosity		2970,2 mm²/s	
	Kinematic viscosity	y at 40 °C:	Non-applicable *	
	Concentration:		Non-applicable *	
	pH:		Non-applicable *	
	Vapour density at		Non-applicable *	
		nt n-octanol/water 20 °C:	Non-applicable *	
	Solubility in water		Non-applicable *	
	Solubility propertie		Non-applicable *	
	Decomposition ter		Non-applicable *	
	Melting point/free	zing point:	Non-applicable *	
	Flammability:			
	Flash Point:		35 °C	
	Flammability (solid		Non-applicable *	
	Autoignition temp		300 °C	
	Lower flammabilit		Not available	
	Upper flammability Particle charact	•	Not available	
			Non applicable	
9.2	Median equivalent Other information		Non-applicable	
7.2		ion: th regard to physical hazard clas	2000	
	Explosive properti		Non-applicable *	
	Oxidising propertie		Non-applicable *	
	Corrosive to metal		Non-applicable *	
	Heat of combustio		Non-applicable *	
		rcentage (by mass) of flammable	Non-applicable *	
	Other safety cha	aracteristics:		
	Surface tension at		Non-applicable *	
	*Not relevant due to	the nature of the product, not providing info	rmation property of its hazards.	

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

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Printing: 03/01/2023 Date of compilation: 26/06/2011 Revised: 07/03/2022 Version: SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Version: 4 (Replaced 3)

Refraction index:

Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

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

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure: A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption. For more information see section 3
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- B- Inhalation (acute effect):
 - Acute toxicity : Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.
 - Corrosivity/Irritability: Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.
- C- Contact with the skin and the eyes (acute effect):
 - Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
 - Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

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SECTION 11: TOXI	COLOGICAL INFORMATION (cont	inued)		
as hazardou IARC: Xyl - Mutagen	icity: Based on available data, the class	nformation see section 3. ification criteria are not met, as		
- Reprodu	or this effect. For more information see ctive toxicity: Based on available data, t hazardous for this effect. For more info effects:	he classification criteria are not	met, as it does not contain	substances
- Respirato hazardous v - Skin: Pro	bry: Based on available data, the classifi with sensitising effects. For more inform plonged contact with the skin can result get organ toxicity (STOT) - single expos	ation see section 3. in episodes of allergic contact c		es classified as
Causes irrit;	ation in respiratory passages, which is n	ormally reversible and limited to	o the upper respiratory pass	ages.
G- Specific tar	get organ toxicity (STOT)-repeated expo	osure:		
However, it	target organ toxicity (STOT)-repeated e does contain substances classified as h peated exposure may cause skin drynes nazard:	azardous for this effect. For mo		
Other information Non-applicable	ct. For more information see section 3. ation: ology information on the substance	es:		
	Identification		Acute toxicity	Genus
			12700	
N-butyl acetate		LD50 oral	12789 mg/kg	Rat
N-butyl acetate CAS: 123-86-4		LD50 oral LD50 dermal	14112 mg/kg	Rat Rabbit
			14112 mg/kg	
CAS: 123-86-4 EC: 204-658-1	isocyanate, oligomers	LD50 dermal LC50 inhalati LD50 oral	14112 mg/kg on 23,4 mg/L (4 h) 5100 mg/kg	Rabbit
CAS: 123-86-4 EC: 204-658-1 Hexamethylene di CAS: 28182-81-2	isocyanate, oligomers	LD50 dermal LC50 inhalati LD50 oral LD50 dermal	14112 mg/kg on 23,4 mg/L (4 h) 5100 mg/kg >2000 mg/kg	Rabbit Rat
CAS: 123-86-4 EC: 204-658-1 Hexamethylene di CAS: 28182-81-2 EC: 931-274-8		LD50 dermal LC50 inhalati LD50 oral LD50 dermal LC50 inhalati	14112 mg/kg on 23,4 mg/L (4 h) 5100 mg/kg >2000 mg/kg on 11 mg/L (ATEi)	Rabbit Rat
CAS: 123-86-4 EC: 204-658-1 Hexamethylene di CAS: 28182-81-2 EC: 931-274-8 2-methoxy-1-meth		LD50 dermal LC50 inhalati LD50 oral LD50 dermal LC50 inhalati LD50 oral	14112 mg/kg on 23,4 mg/L (4 h) 5100 mg/kg >2000 mg/kg on 11 mg/L (ATEi) 8532 mg/kg	Rabbit Rat Rat Rat Rat
CAS: 123-86-4 EC: 204-658-1 Hexamethylene di CAS: 28182-81-2 EC: 931-274-8 2-methoxy-1-meth CAS: 108-65-6		LD50 dermal LC50 inhalati LD50 oral LD50 dermal LD50 oral LD50 oral LD50 oral	14112 mg/kg on 23,4 mg/L (4 h) 5100 mg/kg >2000 mg/kg on 11 mg/L (ATEi) 8532 mg/kg 5100 mg/kg	Rabbit Rat Rat Rat Rat Rat Rat
CAS: 123-86-4 EC: 204-658-1 Hexamethylene di CAS: 28182-81-2 EC: 931-274-8 2-methoxy-1-meth		LD50 dermal LC50 inhalati LD50 oral LD50 dermal LC50 inhalati LD50 oral LD50 dermal LC50 inhalati	14112 mg/kg on 23,4 mg/L (4 h) 5100 mg/kg >2000 mg/kg on 11 mg/L (ATEi) 8532 mg/kg 5100 mg/kg on 30 mg/L (4 h)	Rabbit Rat Rat Rat Rat
CAS: 123-86-4 EC: 204-658-1 Hexamethylene di CAS: 28182-81-2 EC: 931-274-8 2-methoxy-1-meth CAS: 108-65-6 EC: 203-603-9 Xylene		LD50 dermal LC50 inhalati LD50 oral LD50 dermal LC50 inhalati LD50 dermal LC50 inhalati LC50 inhalati	14112 mg/kg on 23,4 mg/L (4 h) 5100 mg/kg >2000 mg/kg on 11 mg/L (ATEi) 8532 mg/kg 5100 mg/kg on 30 mg/L (4 h) 2100 mg/kg	Rabbit Rat Rat Rat Rat Rat Rat Rat Rat
CAS: 123-86-4 EC: 204-658-1 Hexamethylene di CAS: 28182-81-2 EC: 931-274-8 2-methoxy-1-meth CAS: 108-65-6 EC: 203-603-9 Xylene CAS: 1330-20-7		LD50 dermal LC50 inhalati LD50 oral LD50 dermal LC50 inhalati LD50 oral LD50 dermal LC50 inhalati LD50 oral LD50 oral	14112 mg/kg on 23,4 mg/L (4 h) 5100 mg/kg >2000 mg/kg on 11 mg/L (ATEi) 8532 mg/kg 5100 mg/kg on 30 mg/L (4 h) 2100 mg/kg 110 mg/kg	Rabbit Rat Rat Rat Rat Rat Rat Rat
CAS: 123-86-4 EC: 204-658-1 Hexamethylene di CAS: 28182-81-2 EC: 931-274-8 2-methoxy-1-metl CAS: 108-65-6 EC: 203-603-9 Xylene		LD50 dermal LC50 inhalati LD50 oral LD50 dermal LC50 inhalati LD50 oral LD50 dermal LC50 inhalati LD50 oral LD50 oral LD50 dermal LD50 dermal	14112 mg/kg on 23,4 mg/L (4 h) 5100 mg/kg >2000 mg/kg on 11 mg/L (ATEi) 8532 mg/kg 5100 mg/kg on 30 mg/L (4 h) 2100 mg/kg 1100 mg/kg 0n 1100 mg/kg 1100 mg/kg 0n 11 mg/L (ATEi)	Rabbit Rat Rat Rat Rat Rat Rat Rat Rat
CAS: 123-86-4 EC: 204-658-1 Hexamethylene di CAS: 28182-81-2 EC: 931-274-8 2-methoxy-1-meth CAS: 108-65-6 EC: 203-603-9 Xylene CAS: 1330-20-7	hylethyl acetate	LD50 dermal LC50 inhalati LD50 oral LD50 dermal LD50 oral LD50 oral LD50 dermal LC50 inhalati LD50 dermal LD50 oral LD50 dermal LD50 oral	14112 mg/kg on 23,4 mg/L (4 h) 5100 mg/kg >2000 mg/kg on 11 mg/L (ATEi) 8532 mg/kg 5100 mg/kg on 30 mg/L (4 h) 2100 mg/kg on 11 mg/L (ATEi) 2100 mg/kg on 11 mg/L (ATEi) 2100 mg/kg	Rabbit Rat Rat Rat Rat Rat Rat Rat Rat
CAS: 123-86-4 EC: 204-658-1 Hexamethylene di CAS: 28182-81-2 EC: 931-274-8 2-methoxy-1-meth CAS: 108-65-6 EC: 203-603-9 Xylene CAS: 1330-20-7 EC: 215-535-7 2-butoxyethyl ace CAS: 112-07-2	hylethyl acetate	LD50 dermal LC50 inhalati LD50 oral LD50 dermal LC50 inhalati LD50 oral LD50 dermal LC50 inhalati LD50 oral LD50 oral LD50 dermal LD50 dermal	14112 mg/kg on 23,4 mg/L (4 h) 5100 mg/kg >2000 mg/kg on 11 mg/L (ATEi) 8532 mg/kg 5100 mg/kg on 30 mg/L (4 h) 2100 mg/kg in 11 mg/L (ATEi) 2100 mg/kg in 11 mg/L (ATEi) 2100 mg/kg in 11 mg/L (ATEi) 2100 mg/kg in 1480 mg/kg	Rabbit Rat Rat Rat Rat Rat Rat Rat Rat Rat
CAS: 123-86-4 EC: 204-658-1 Hexamethylene di CAS: 28182-81-2 EC: 931-274-8 2-methoxy-1-meth CAS: 108-65-6 EC: 203-603-9 Xylene CAS: 1330-20-7 EC: 215-535-7 2-butoxyethyl ace	hylethyl acetate	LD50 dermal LC50 inhalati LD50 oral LD50 dermal LD50 oral LD50 oral LD50 dermal LC50 inhalati LD50 dermal LD50 oral LD50 dermal LD50 oral	14112 mg/kg on 23,4 mg/L (4 h) 5100 mg/kg >2000 mg/kg on 11 mg/L (ATEi) 8532 mg/kg 5100 mg/kg on 30 mg/L (4 h) 2100 mg/kg 11 mg/L (ATEi) 2100 mg/kg 1480 mg/kg	Rabbit Rat Rat Rat Rat Rat Rat Rat Rat Rat Ra
CAS: 123-86-4 EC: 204-658-1 Hexamethylene di CAS: 28182-81-2 EC: 931-274-8 2-methoxy-1-metl CAS: 108-65-6 EC: 203-603-9 Xylene CAS: 130-20-7 EC: 215-535-7 2-butoxyethyl ace CAS: 112-07-2 EC: 203-933-3	hylethyl acetate	LD50 dermal LC50 inhalati LD50 oral LD50 dermal LC50 inhalati LD50 oral LD50 oral LD50 dermal LC50 inhalati LD50 dermal LD50 dermal LD50 oral LD50 oral LD50 oral LD50 oral	14112 mg/kg on 23,4 mg/L (4 h) 5100 mg/kg >2000 mg/kg on 11 mg/L (ATEi) 8532 mg/kg 5100 mg/kg on 30 mg/L (4 h) 2100 mg/kg in 11 mg/L (ATEi) 2100 mg/kg in 11 mg/L (ATEi) 2100 mg/kg in 11 mg/L (ATEi) 2100 mg/kg in 1480 mg/kg	Rabbit Rat Rat Rat Rat Rat Rat Rat Rat Rat Ra
CAS: 123-86-4 EC: 204-658-1 Hexamethylene di CAS: 28182-81-2 EC: 931-274-8 2-methoxy-1-metl CAS: 108-65-6 EC: 203-603-9 Xylene CAS: 130-20-7 EC: 215-535-7 2-butoxyethyl ace CAS: 112-07-2 EC: 203-933-3	hylethyl acetate	LD50 dermal LC50 inhalati LD50 oral LD50 dermal LC50 inhalati LD50 oral LD50 oral LD50 dermal LC50 inhalati LD50 dermal LD50 dermal LD50 oral LD50 oral LD50 oral LD50 oral	14112 mg/kg on 23,4 mg/L (4 h) 5100 mg/kg >2000 mg/kg on 11 mg/L (ATEi) 8532 mg/kg 5100 mg/kg on 30 mg/L (4 h) 2100 mg/kg in 11 mg/L (ATEi) 2100 mg/kg in 11 mg/L (ATEi) 2100 mg/kg in 11 mg/L (ATEi) 2100 mg/kg in 1480 mg/kg	Rabbit Rat
CAS: 123-86-4 EC: 204-658-1 Hexamethylene di CAS: 28182-81-2 EC: 931-274-8 2-methoxy-1-metl CAS: 108-65-6 EC: 203-603-9 Xylene CAS: 130-20-7 EC: 215-535-7 2-butoxyethyl ace CAS: 112-07-2 EC: 203-933-3	hylethyl acetate tate y Estimate (ATE mix): ATE mix	LD50 dermal LC50 inhalati LD50 oral LD50 dermal LC50 inhalati LD50 oral LD50 dermal LD50 oral LD50 oral LD50 oral LD50 oral LD50 oral LD50 oral LD50 oral LD50 oral LD50 oral	14112 mg/kg on 23,4 mg/L (4 h) 5100 mg/kg >2000 mg/kg on 11 mg/L (ATEi) 8532 mg/kg 5100 mg/kg on 30 mg/L (4 h) 2100 mg/kg 11 mg/L (ATEi) 2100 mg/kg 11 mg/L (4 h)	Rabbit Rat
CAS: 123-86-4 EC: 204-658-1 Hexamethylene di CAS: 28182-81-2 EC: 931-274-8 2-methoxy-1-meth CAS: 108-65-6 EC: 203-603-9 Xylene CAS: 1330-20-7 EC: 215-535-7 2-butoxyethyl ace CAS: 112-07-2 EC: 203-933-3 Acute Toxicity	tate y Estimate (ATE mix): ATE mix >2000 mg/kg (Calcula	LD50 dermal LC50 inhalati LD50 oral LD50 dermal LC50 inhalati LD50 dermal LD50 oral LD50 dermal LD50 oral LD50 oral	14112 mg/kg on 23,4 mg/L (4 h) 5100 mg/kg >2000 mg/kg on 11 mg/L (ATEi) 8532 mg/kg on 30 mg/L (4 h) 2100 mg/kg on 30 mg/L (4 h) 2100 mg/kg 11 mg/L (ATEi) 2100 mg/kg on 11 mg/L (ATEi) Ingredient(s) of unknow Non-applicable	Rabbit Rat
CAS: 123-86-4 EC: 204-658-1 Hexamethylene di CAS: 28182-81-2 EC: 931-274-8 2-methoxy-1-meti CAS: 108-65-6 EC: 203-603-9 Xylene CAS: 1330-20-7 EC: 215-535-7 2-butoxyethyl ace CAS: 112-07-2 EC: 203-933-3 Acute Toxicity Oral Dermal	tate tate tate Y Estimate (ATE mix): ATE mix >2000 mg/kg (Calcula 8468,58 mg/kg (Calcula	LD50 dermal LC50 inhalati LD50 oral LD50 dermal LC50 inhalati LD50 dermal LD50 dermal LC50 inhalati LD50 oral LD50 oral DO oral DO oral LD50 oral DO o	14112 mg/kg on 23,4 mg/L (4 h) 5100 mg/kg >2000 mg/kg on 11 mg/L (ATEi) 8532 mg/kg on 30 mg/L (4 h) 2100 mg/kg on 30 mg/L (4 h) 2100 mg/kg 11 mg/L (ATEi) 2100 mg/kg 110 mg/kg on 11 mg/L (ATEi) 2100 mg/kg on 11 mg/L (ATEi) 2100 mg/kg on 11 mg/L (ATEi) 2100 mg/kg on 11 mg/L (ATEi) 0 mg/kg 0 mg/kg	Rabbit Rat
CAS: 123-86-4 EC: 204-658-1 Hexamethylene di CAS: 28182-81-2 EC: 931-274-8 2-methoxy-1-meti CAS: 108-65-6 EC: 203-603-9 Xylene CAS: 130-20-7 EC: 215-535-7 2-butoxyethyl ace CAS: 112-07-2 EC: 203-933-3 Acute Toxicity Oral Dermal Inhalation	tate tate tate tate tate tate tate tate	LD50 dermal LC50 inhalati LD50 oral LD50 dermal LC50 inhalati LD50 dermal LD50 dermal LC50 inhalati LD50 oral LD50 oral DO oral DO oral LD50 oral DO o	14112 mg/kg on 23,4 mg/L (4 h) 5100 mg/kg >2000 mg/kg on 11 mg/L (ATEi) 8532 mg/kg on 30 mg/L (4 h) 2100 mg/kg on 30 mg/L (4 h) 2100 mg/kg 11 mg/L (ATEi) 2100 mg/kg on 11 mg/L (ATEi) Ingredient(s) of unknow Non-applicable	Rabbit Rat Rat
CAS: 123-86-4 EC: 204-658-1 Hexamethylene di CAS: 28182-81-2 EC: 931-274-8 2-methoxy-1-meti CAS: 108-65-6 EC: 203-603-9 Xylene CAS: 130-20-7 EC: 215-535-7 2-butoxyethyl ace CAS: 112-07-2 EC: 203-933-3 Acute Toxicity Oral Dermal Inhalation L1.2 Information c Endocrine dis	tate tate tate tate tate tate tate tate	LD50 dermal LC50 inhalati LD50 oral LD50 dermal LC50 inhalati LD50 oral LD50 dermal LC50 inhalati LD50 oral LD50	14112 mg/kg on 23,4 mg/L (4 h) 5100 mg/kg >2000 mg/kg on 11 mg/L (ATEi) 8532 mg/kg on 30 mg/L (4 h) 2100 mg/kg on 30 mg/L (4 h) 2100 mg/kg 11 mg/L (ATEi) 2100 mg/kg 110 mg/kg on 11 mg/L (ATEi) 2100 mg/kg on 11 mg/L (ATEi) 2100 mg/kg on 11 mg/L (ATEi) 2100 mg/kg on 11 mg/L (ATEi) 0 mg/kg 0 mg/kg	Rabbit Rat

Non-applicable



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SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification		Concentration	Species	Genus
Hexamethylene diisocyanate, oligomers	LC50	Non-applicable		
CAS: 28182-81-2	EC50	Non-applicable		
EC: 931-274-8	EC50	1000 mg/L (72 h)	Scenedesmus subspicatus	Algae
N-butyl acetate	LC50	Non-applicable		
CAS: 123-86-4	EC50	Non-applicable		
EC: 204-658-1	EC50	675 mg/L (72 h)	Scenedesmus subspicatus	Algae
2-butoxyethyl acetate	LC50	80 mg/L (48 h)	Leuciscus idus	Fish
CAS: 112-07-2	EC50	37 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-933-3	EC50	500 mg/L (72 h)	Scenedesmus subspicatus	Algae
2-methoxy-1-methylethyl acetate	LC50	161 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-65-6	EC50	481 mg/L (48 h)	Daphnia sp.	Crustacean
EC: 203-603-9	EC50	Non-applicable		
Xylene	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 1330-20-7	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 215-535-7	EC50	>10 - 100 mg/L (72 h)		Algae

Chronic toxicity:

Identification		Concentration	Species	Genus
N-butyl acetate	NOEC	Non-applicable		
CAS: 123-86-4 EC: 204-658-1	NOEC	23,2 mg/L	Daphnia magna	Crustacean
2-methoxy-1-methylethyl acetate	NOEC	47,5 mg/L	Oryzias latipes	Fish
CAS: 108-65-6 EC: 203-603-9	NOEC	100 mg/L	Daphnia magna	Crustacean
Xylene	NOEC	1,3 mg/L	Oncorhynchus mykiss	Fish
CAS: 1330-20-7 EC: 215-535-7	NOEC	1,17 mg/L	Ceriodaphnia dubia	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degra	adability	Biodegradab	ility
N-butyl acetate	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 123-86-4	COD	Non-applicable	Period	5 days
EC: 204-658-1	BOD5/COD	Non-applicable	% Biodegradable	84 %
2-butoxyethyl acetate	BOD5	Non-applicable	Concentration	30 mg/L
CAS: 112-07-2	COD	Non-applicable	Period	28 days
EC: 203-933-3	BOD5/COD	Non-applicable	% Biodegradable	77,3 %
2-methoxy-1-methylethyl acetate	BOD5	Non-applicable	Concentration	785 mg/L
CAS: 108-65-6	COD	Non-applicable	Period	8 days
EC: 203-603-9	BOD5/COD	Non-applicable	% Biodegradable	100 %
Xylene	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 1330-20-7	COD	Non-applicable	Period	28 days
EC: 215-535-7	BOD5/COD	Non-applicable	% Biodegradable	88 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential		
N-butyl acetate	BCF	4	
CAS: 123-86-4	Pow Log	1.78	
EC: 204-658-1	Potential	Low	
2-butoxyethyl acetate	BCF	3	
CAS: 112-07-2	Pow Log	1.51	
EC: 203-933-3	Potential	Low	

_	Printing: 03/01/2023	inting: 03/01/2023 Date of compilation: 26/06/2011 Revised: 07/03/2022						
	SECTION 12: ECOLOGICAL INFORMATION (continued)							
		Identification		Bioaccur	nulation potential			
	2-methoxy-1-meth	nylethyl acetate		BCF	1			
	CAS: 108-65-6	CAS: 108-65-6						
	EC: 203-603-9			Potential	Low			
	Xylene			BCF	9			
	CAS: 1330-20-7			Pow Log	2.77			
	EC: 215-535-7			Potential	Low			

12.4 Mobility in soil:

Identification	Absorp	tion/desorption	Volat	ility
N-butyl acetate	Кос	Non-applicable	Henry	Non-applicable
CAS: 123-86-4	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-658-1	Surface tension	2,478E-2 N/m (25 °C)	Moist soil	Non-applicable
2-butoxyethyl acetate	Кос	Non-applicable	Henry	5,532E-1 Pa·m ³ /mol
CAS: 112-07-2	Conclusion	Non-applicable	Dry soil	No
EC: 203-933-3	Surface tension	Non-applicable	Moist soil	Yes
Xylene	Кос	202	Henry	524,86 Pa·m³/mol
CAS: 1330-20-7	Conclusion	Moderate	Dry soil	Yes
EC: 215-535-7	Surface tension	Non-applicable	Moist soil	Yes

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	waste paint and varnish containing organic solvents or other hazardous substances packaging containing residues of or contaminated by hazardous substances	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP6 Acute Toxicity, HP13 Sensitising

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2021 and RID 2021:

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SECTION 14: TRANSP	PORT	INFORMATION (continued)		
	14.2	UN number or ID number: UN proper shipping name: Transport hazard class(es): Labels:	UN1263 PAINT 3 3	
3	14.5	Packing group: Environmental hazards: Special precautions for user	III No	
		Special regulations: Tunnel restriction code: Physico-Chemical properties: Limited quantities:	163, 367, 650 D/E see section 9 5 L	
	14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable	
Transport of da	ngero	us goods by sea:		
With regard to IN	1DG 40	-20:		
		UN number or ID number:	UN1263	
		UN proper shipping name:	PAINT	
Je.	14.3	Transport hazard class(es):	3	
	144	Labels:	3	
		Packing group: Marine pollutant:	III	
3	14.5	Special precautions for user	No	
•	14.0	Special regulations:	223, 955, 163, 367	
		EmS Codes:	F-E, S-E	
		Physico-Chemical properties:	see section 9	
		Limited quantities:	5 L	
		Segregation group:	Non-applicable	
	14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable	
Transport of da	ngero	us goods by air:		
With regard to IA	TA/ICA	AO 2022:		
	14.1	UN number or ID number:	UN1263	
sty	14.2	UN proper shipping name:	PAINT	
$\langle \Theta \rangle$	14.3	Transport hazard class(es):	3	
		Labels:	3	
3		Packing group:	III	
		Environmental hazards: Special precautions for user	No	
	140	Physico-Chemical properties:	see section 9	
	14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable	

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture: Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

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Safety data sheet This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

HARDENER FOR CLEAR COAT HS 1:2

Printing: 03/01/2023	Date of compilation: 26/06/2011	Revised: 07/03/2022	Version: 4 (Replaced 3)	
SECTION 15: RE	GULATORY INFORMATION (continued	d)		
REGULATIO Seveso III	N (EU) No 649/2012, in relation to the impor	t and export of hazardous ch	nemical products: Non-applica	ble
Section	Descrip	tion	Lower-tier requirements	Upper-tier requirements
P5c	FLAMMABLE LIQUIDS		5000	50000
Limitations etc):	to commercialisation and the use of c	ertain dangerous substan	ces and mixtures (Annex 2	XVII REACH,

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SECTION 15: REGU	LATORY INFORMATION (continued])	
SECTION 15: REGU Shall not be use —ornamental a and ashtrays, —tricks and jok —games for on Contains more f as a constituent (a) the concent employed ensu prior to the use 2. Shall not be and professional (a) the concent that the recipient paragraph 1 and information: "As 3. For the purpor diisocyanates of supervising thes 4. The training exposure to dis appropriate risk and health with (a) the training (b) the training (b) the training (b) the training (b) the training (c) the training (b) the training (c) the training (c) the training — handling ope — spraying in a — application b — application b — mechanical p — cleaning and — any other us (c) the training (c) t	PLATORY INFORMATION (continued ed in: rticles intended to produce light or colour les, e or more participants, or any article inter- than 0.1 % of Hexamethylene diisocyanate in other substances or in mixtures for in- ration of diisocyanates individually and in res that industrial or professional user(s) I of the substance(s) or mixture(s). placed on the market as substances on tha luse(s) after 24 February 2022, unless: ration of diisocyanates individually and in nt of the substance(s) or mixture(s) is prod d the following statement is placed on the s from 24 August 2023 adequate training ose of this entry "industrial and profession n their own, as a constituent in other sub se tasks. referred to in point (b) of paragraph 1 sha socyanates at the workplace without preju- a mangement measures at national level. competence acquired by relevant vocatio elements in point (a) of paragraph 5 for a elements in points (a) and (b) of paragraph y orullar y orullated booth y roller y brush y dipping and pouring post treatment (e.g. cutting) of not fully co- waste es with similar exposure through the dern elements in points (a), (b) and (c) of para ompletely cured articles (e.g. freshly cured ications and repair that needs access to equipme the original model or only natural ventil ams, elastomers) er uses with similar exposure through the dern elements: ning, including on-line training, on: diisocyanates rexposure limit values ation can develop ication of hazard of volatility for risk mperature, and molecular weight of diisocr- iene tactive equipment needed, including prac- al contact and inhalation exposure on to application process used alation protection scheme kages, maintenance	(1) effects by means of different inded to be used as such, ever the oligomers by weight. 1. St dustrial and professional used combination is less than 0,1 have successfully completed are rown, as a constituent in or combination is less than 0,1 ovided with information on the packaging, in a manner that is required before industrial of hal user(s)" means any worked stances or in mixtures for ind all include the instructions for indice to any national occupati . Such training shall be condu- onal training. That training shall industrial and professional iph 5 for the following uses: iding foam tunnels) ured articles which are not w mal and/or inhalation route agraph 5 for the following used d, still warm) ent ation (includes large industry dermal and/or	t phases, for example in ornamental lamps en with ornamental aspects. hall not be used as substances on their own, (s) after 24 August 2023, unless: % by weight, or (b) the employer or self- training on the safe use of diisocyanates other substances or in mixtures for industrial % by weight, or (b) the supplier ensures are requirements referred to in point (b) of it is visibly distinct from the rest of the label or professional use". er or self-employed worker handling dustrial and professional use(s) or r the control of dermal and inhalation ional exposure limit value or other ucted by an expert on occupational safety hall cover as a minimum: use(s). working halls) and spraying with high
 — discarding er — protection of 	bystanders		
	of critical handling stages onal code systems (if applicable)		
— behaviour-ba			
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SECTION 15:	REGULATORY INFORMATION (continu	ed)		
 (b) interri – additio mainta manage evalua risk in certifici (c) advari any aci sprayi open I certifici The triphological operation of the second second	ement of change ion of existing safety instructions relation to application process used ation or documented proof that training has b ced training, including on-line training, on: ditional certification needed for the specific u g outside a spraying booth andling of hot or warm formulations (> 45 °C ation or documented proof that training has b ining shall comply with the provisions set by tates may implement or continue to apply th g as the minimum requirements set out in pa pplier referred to in point (b) of paragraph 2 s ursuant to paragraphs 4 and 5 in the official l ed. The training shall take into consideration n. ployer or self-employed shall document the s all be renewed at least every five years. r States shall include in their reports pursuan tablished training requirements and other ris ites foreseen in national law mber of cases of reported and recognised oc diisocyanates al exposure limits for diisocyanates, if there a ation about enforcement activities related to estriction shall apply without prejudice to oth	g, on: been successfully completed ses covered C) been successfully completed the Member State in which the eir own national requirements aragraphs 4 and 5 are met. shall ensure that the recipient language(s) of the Member Stat the specificity of the products successful completion of the tr at to Article 117(1) the followin k management measures relat ccupational asthma and occupa are any this restriction. er Union legislation on the pro e or the environment: this safety data sheet as a basi	for the use of the substance(s) or mixture is provided with training material and ate(s) where the substance(s) or mixture(s) supplied, including composition, packaging, aining referred to in paragraphs 4 and 5. The ng information: ted to the industrial and professional uses of ational respiratory and dermal diseases in otection of safety and health of workers at the is for conducting workplace-specific risk	
	ct could be affected by sectorial legislation			
15.2 Chemica	Chemical safety assessment:			
The supp	ier has not carried out evaluation of chemica	l safety.		
SECTION 16:	OTHER INFORMATION			
The SDS has been (COMMIS		to the compilation of safety d	placed on the market. This safety data sheet lata sheets of Regulation (EC) No 1907/2006 e ways of managing risks.:	

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

H332: Harmful if inhaled.

H226: Flammable liquid and vapour.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

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SECTION 16: OTHE	ER INFORMATION (continued)				
Acute Tox. 4: H Aquatic Chronic Asp. Tox. 1: H3 Eye Irrit. 2: H3 Flam. Liq. 3: H3 Skin Irrit. 2: H3 Skin Sens. 1: H STOT RE 2: H3 STOT SE 3: H3	 1312+H332 - Harmful in contact with ski 1332 - Harmful if inhaled. 23: H412 - Harmful to aquatic life with le 104 - May be fatal if swallowed and enter 19 - Causes serious eye irritation. 126 - Flammable liquid and vapour. 1315 - Causes skin irritation. 1317 - May cause an allergic skin reaction 73 - May cause damage to organs throu 35 - May cause drowsiness or dizziness. 	ong lasting effects. rs airways. n.	osure (Oral).		
Classification	•				
STOT SE 3: Cal STOT SE 3: Cal Acute Tox. 4: C	alculation method culation method culation method alculation method alculation method (2.6.4.3)				
Advice related	d to training:				
	Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.				
Principal bibli	ographical sources:				
http://echa.eur http://eur-lex.e					
	and acronyms:				
IMDG: Internat IATA: Internation ICAO: Internation COD: Chemical BOD5: 5day bion BCF: Bioconcen LD50: Lethal Do LC50: Lethal Co EC50: Effective	ose 50				
Koc: Partition co UFI: unique for	oefficient of organic carbon				

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.