MASTER

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 SLOW

	10/02/2023 Date of compilation: 26/06/2011 Revised: 14/01/2022 Version: 4 (Replaced 3)
SECT	TON 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1	Product identifier: HARDENER FOR CLEAR COAT HS 1:2 SLOW
	Other means of identification:
	UFI: XPFH-F06T-N00Q-C65A
1.2	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
1.3	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
1.4	Emergency telephone number: (8am-4pm)+48 094 35 123 94; 112
SECT	ION 2: HAZARDS IDENTIFICATION
2.1	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
	STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336
2.2	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.
	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.
	P403+P235: Store in a well-ventilated place. Keep cool.
	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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rinting:	: 10/02/	2023 Da	te of compilation: 26/0)6/2011 Revis	sed: 14/01/2022	Version: 4 (Replaced 3)				
SECT	tion 2	: Hazards II	DENTIFICATION (co	ontinued)						
2.3	Produ		PBT/vPvB criteria properties: The produc	t fails to meet the cri	teria.					
SECT	tion 3	: COMPOSITI	ON/INFORMATION	ON INGREDIENT	S					
3.1	Subs	tance:								
	Non-a	pplicable								
3.2	Mixtu	ıre:								
	Chen	nical descriptio	on: Mixture composed	of chemical products	5					
	Com	ponents:								
	In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:									
		Identification		Chemic	al name/Classification		Concentration			
	CAS: EC:	28182-81-2	Hexamethylene diise	ocyanate, oligomers ⁽¹⁾		Self-classifie	d			
	Index:	: 931-274-8 dex: Non-applicable ACH: 01-2119485796-17- XXXX	Regulation 1272/2008	Acute Tox. 4: H332; Skin Se	ens. 1: H317; STOT SE 3: H33	5 - Warning	50 - <75 %			
	CAS:	123-86-4	N-butyl acetate ⁽¹⁾			ATP CLP00				
		204 650 4								
		204-658-1 607-025-00-1 : 01-2119485493-29- XXXX	Regulation 1272/2008	Flam. Liq. 3: H226; STOT S	E 3: H336; EUH066 - Warning		10 - <25 %			
	REACH	607-025-00-1 : 01-2119485493-29- XXXX 112-07-2	Regulation 1272/2008 2-butoxyethyl aceta		E 3: H336; EUH066 - Warning	() (ATP CLP00	10 - <25 %			
	REACH CAS: EC: Index:	607-025-00-1 : 01-2119485493-29- XXXX				• •	5 - <10 %			
	REACH CAS: EC: Index: REACH CAS:	607-025-00-1 : 01-2119485493-29- XXXX 112-07-2 203-933-3 607-038-00-2 : 01-2119475112-47- XXXX 108-65-6	2-butoxyethyl aceta	te⁽¹⁾ Acute Tox. 4: H312+H332 -		ATP CLP00	5 - <10 %			
	CAS: EC: Index: REACH CAS: EC: Index:	607-025-00-1 : 01-2119485493-29- XXXX 112-07-2 203-933-3 607-038-00-2 : 01-2119475112-47- XXXX	2-butoxyethyl aceta Regulation 1272/2008	te⁽¹⁾ Acute Tox. 4: H312+H332 -	- Warning	ATP CLP00	5 - <10 %			
	CAS: EC: Index: REACH CAS: EC: Index:	607-025-00-1 : 01-2119485493-29- XXXX 112-07-2 203-933-3 607-038-00-2 : 01-2119475112-47- XXXX 108-65-6 203-603-9 607-195-00-7 : 01-2119475791-29-	2-butoxyethyl aceta Regulation 1272/2008 2-methoxy-1-methy	te ⁽¹⁾ Acute Tox. 4: H312+H332 - lethyl acetate ⁽²⁾	- Warning	ATP CLP00	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 A	ID MEASURES (continued)		
	If the injured per	rson uses contact lenses, these should mage. In all cases, after cleaning, a d	d be removed unless they are s	person affected to rub or close their eyes. tuck to the eyes, in which case this could uickly as possible with the SDS of the
4.2	Do not induce vo out the mouth ar	-	ected during ingestion.	. Keep the person affected at rest. Rinse
	•	ed effects are indicated in sections 2 a	•	
4.3	,	ny immediate medical attention a		ed:
_	Non-applicable	• • • • • • • • • • • • • • • • • • • •		
SEC	TION 5. FIREFIG	HTING MEASURES		
F 4	11014 21 11(C) 10			
5.1	Extinguishing n	nedia:		
5.1				
5.1	Extinguishing n Suitable exting	uishing media:	BC powder), alternatively use fo	oam or carbon dioxide extinguishers (CO2).
5.1	Extinguishing n Suitable exting If possible use po	uishing media:	BC powder), alternatively use fo	oam or carbon dioxide extinguishers (CO2).
5.1	Extinguishing n Suitable exting If possible use po Unsuitable exti	uishing media: Nyvalent powder fire extinguishers (Al		oam or carbon dioxide extinguishers (CO2).
5.1	Extinguishing n Suitable exting If possible use po Unsuitable exti IT IS RECOMMEN	uishing media: olyvalent powder fire extinguishers (Al nguishing media:	extinguishing agent.	oam or carbon dioxide extinguishers (CO2).
_	Extinguishing n Suitable exting If possible use po Unsuitable exti IT IS RECOMMEN Special hazards As a result of com	uishing media: blyvalent powder fire extinguishers (Al nguishing media: IDED NOT to use full jet water as an of a arising from the substance or m inbustion or thermal decomposition rea in present a serious health risk.	extinguishing 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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SECT	ION 7: HANDLING	G AND STORAGE		
7.1	Precautions for sa	afe handling:		
	A General precaut	ions for safe use		
	spills and residu cleanliness when	les, destroying them with safe met re dangerous products are used.	hods (section 6). Avoid leakage	eep containers hermetically sealed. Control s from the container. Maintain order and
	B Technical recom	nmendations for the prevention of	fires and explosions	
	sparks,) and v inertization syste possibility of ele clothes made of requirements fo protecting the se 10 for conditions	ventilate during cleaning operations ems where possible. Transfer at a ectrostatic charges: ensure a perfect acrylic fibres, preferably wearing of r equipment and systems defined	Avoid the existence of danger slow speed to avoid the creation ct equipotential connection, alwa cotton clothing and conductive f in Directive 2014/34/EC (ATEX 1 er the selection criteria of Direct ided.	trol sources of ignition (mobile phones, ous atmospheres inside containers, applying n of electrostatic charges. Against the ays use groundings, do not wear work footwear. Comply with the essential security 100) and with the minimum requirements for ive 1999/92/EC (ATEX 137). Consult section
	Do not eat or dr	rink during the process, washing h	ands afterwards with suitable cl	eaning products.
	D Technical recom	nmendations to prevent environme	ntal risks	
	It is recommend	led to have absorbent material ava	ailable at close proximity to the	product (See subsection 6.3)
7.2	Conditions for sat	fe storage, including any incon	npatibilities:	
	A Technical measu	ures for storage		
	Minimum Temp.	.: 15 °C		
	Maximum Temp	o.: 25 ℃		
	Maximum time:	12 Months		
	B General condition	ons for storage		
	Avoid sources of	f heat, radiation, static electricity a	nd contact with food. For additi	ional information see subsection 10.5
7.3	Specific end use(s):		
	Except for the instrup product.	uctions already specified it is not n	ecessary to provide any special	recommendation regarding the uses of this
		E CONTROLS/PERSONAL PRC		

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	Occupational exposure limits			
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 exposure		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/m ³	Non-applicable	0,5 mg/m ³



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Printing: 10/02/2023 Date of compile

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Revised: 14/01/2022

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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 exposure		Long exposure	
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:



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ION	8: EXPOSURE	CONTROLS/PERSON/	AL PROTECT	ION (continued)		
		·				
	•	tion measures, such as pe	•			
	marking>> in acc use, cleaning, ma information see s	cordance with Regulation intenance, class of protect ubsection 7.1. All information evention services as it is	(EU) 2016/425 ction,) consu ation contained	5. For more information on It the information leaflet p I herein is a recommendat	pment, with the correspondin Personal Protective Equipme rovided by the manufacturer. ion which needs some specif ditional measures at its dispo	ent (storag For more ication fro
	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	Replace when there is a taste (contaminant inside the face contaminant comes with wa recommended to use isolation	mask. If the arnings it is
C	Specific protection	n for the hands				
	Pictogram	PPE	Labelling	CEN Standard	Remarks	
	Mandatory hand	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	The Breakthrough Time indic manufacturer must exceed the pe the product is being used. Do no creams after the product has co with skin.	riod during ot use prote
		d has therefore to be che			rial can not be calculated in a Remarks	advance v
	As the product is total reliability an Eye and face prot Pictogram	d has therefore to be che tection	ecked prior to t	he application.		ally accordi Use if there
D	As the product is total reliability an Eye and face prot Pictogram	d has therefore to be che tection PPE Panoramic glasses against	Labelling	CEN Standard EN 166:2002	Remarks Clean daily and disinfect periodic the manufacturer's instructions.	ally accordi Use if there
D	As the product is total reliability an Eye and face prot Pictogram Mandatory face protection	d has therefore to be che tection PPE Panoramic glasses against	Labelling	CEN Standard EN 166:2002	Remarks Clean daily and disinfect periodic the manufacturer's instructions.	ally accordi Use if there
D	As the product is total reliability an Eye and face prot Pictogram Mandatory face protection Body protection	d has therefore to be che tection PPE Panoramic glasses against splash/projections.	Labelling	EN 166:2002 EN ISO 4007:2018	Remarks Clean daily and disinfect periodic the manufacturer's instructions. risk of splashing.	ally accordi Use if there
D	As the product is total reliability an Eye and face prot Pictogram Mandatory face protection Pictogram Pictogram Mandatory complete body protection	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	Labelling CAT II 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	Remarks Clean daily and disinfect periodic the manufacturer's instructions. risk of splashing. Remarks For professional use only. Clea	ally accordi Use if there n periodica 's instructio
D	As the product is total reliability an Eye and face prot Pictogram Mandatory face protection Pictogram Pictogram Mandatory complete body protection	d has therefore to be cherection 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 CAT III	CEN Standard EN 166:2002 EN ISO 4007:2018 CEN Standard EN 13034:2005+A1:2009 EN 13034:2005+A1:2009 EN ISO 13982- 1:2004/A1:2010 EN ISO 6529:2013 EN ISO 530:2005 EN ISO 13287:2020 EN ISO 13287:2020 EN ISO 13287:2020 EN ISO 20345:2011	Remarks Clean daily and disinfect periodic the manufacturer's instructions. risk of splashing. Remarks For professional use only. Clea according to the manufacturer'	ally accordi Use if there n periodica 's instructic
D	As the product is total reliability an Eye and face prot Pictogram Mandatory face protection Pictogram Pictogram Mandatory complete body protection	d has therefore to be cherection 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 CAT III	CEN Standard EN 166:2002 EN ISO 4007:2018 CEN Standard EN 13034:2005+A1:2009 EN 13034:2005+A1:2009 EN ISO 13982- 1:2004/A1:2010 EN ISO 6529:2013 EN ISO 530:2005 EN ISO 13287:2020 EN ISO 13287:2020 EN ISO 13287:2020 EN ISO 20345:2011	Remarks Clean daily and disinfect periodic the manufacturer's instructions. risk of splashing. Remarks For professional use only. Clea according to the manufacturer Replace boots at any sign of o	ally accordi Use if there on periodica 's instructio

In accordance with the community legislation for the protection of the environment it is recommended to spillage of both the product and its container. For additional information see subsection 7.1.D

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

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SECT	TION 9: PHYSICAL AND CHEMICAL PROPERT	IES (continued)						
9.1	Information on basic physical and chemical p	roperties:						
	For complete information see the product datasheet.							
	Appearance:							
	Physical state at 20 °C:	Liquid						
	Appearance:	Not available						
	Colour:	Not available						
	Odour:	Not available						
	Odour threshold:	Non-applicable *						
	Volatility:							
	Boiling point at atmospheric pressure:	140 °C						
	Vapour pressure at 20 °C:	860 Pa						
	Vapour pressure at 50 °C:	4392,24 Pa (4,39 kPa)						
	Evaporation rate at 20 °C:	Non-applicable *						
	Product description:							
	Density at 20 °C:	1010 kg/m ³						
	Relative density at 20 °C:	1,01						
	Dynamic viscosity at 20 °C:	3000 cP						
	Kinematic viscosity at 20 °C:	2970,2 mm²/s						
	Kinematic viscosity at 40 °C:	Non-applicable *						
	Concentration:	Non-applicable *						
	pH:	Non-applicable *						
	Vapour density at 20 °C:	Non-applicable *						
	Partition coefficient n-octanol/water 20 °C:	Non-applicable *						
	Solubility in water at 20 °C:	Non-applicable *						
	Solubility properties:	Non-applicable *						
	Decomposition temperature:	Non-applicable *						
	Melting point/freezing point:	Non-applicable *						
	Flammability:							
	Flash Point:	35 °C						
	Flammability (solid, gas):	Non-applicable *						
	Autoignition temperature:	300 °C						
	Lower flammability limit:	Not available						
	Upper flammability limit:	Not available						
	Particle characteristics:							
	Median equivalent diameter:	Non-applicable						
9.2	Other information:							
	Information with regard to physical hazard c	asses:						
	Explosive properties:	Non-applicable *						
	Oxidising properties:	Non-applicable *						
	Corrosive to metals:	Non-applicable *						
	Heat of combustion:	Non-applicable *						
	Aerosols-total percentage (by mass) of flammable components:	Non-applicable *						
	Other safety characteristics:	Non analisahla *						
	Surface tension at 20 °C:	Non-applicable *						
	*Not relevant due to the nature of the product, not providing i	nformation property of its hazards.						



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

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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<u>CTION 11: TOX</u>	COLOGICAL INFORMATION (contir	nued)				
	genicity: Based on available data, the clas		es it does not contain subst	ances classifie		
as hazardo IARC: Xy	us for the effects mentioned. For more inf lene (3)	formation see section 3.				
hazardous - Reprodu	icity: Based on available data, the classifi for this effect. For more information see s ctive toxicity: Based on available data, the s bazardous for this effect. For more infor	section 3. le classification criteria are not				
	classified as hazardous for this effect. For more information see section 3. E- Sensitizing effects:					
hazardous - Skin: Pro	ory: Based on available data, the classific with sensitising effects. For more informa blonged contact with the skin can result ir get organ toxicity (STOT) - single exposu	tion see section 3. n episodes of allergic contact d		es classified as		
Causes irrit	ation in respiratory passages, which is no	ormally reversible and limited to	the upper respiratory pass	ages.		
G- Specific tar	get organ toxicity (STOT)-repeated expos	sure:				
However, it	target organ toxicity (STOT)-repeated exp does contain substances classified as haz peated exposure may cause skin dryness nazard:	, zardous for this effect. For mor	,			
	vailable data, the classification criteria are ect. For more information see section 3.	e not met. However, it does co	ontain substances classified	as hazardous		
Non-applicable						
Specific toxic	ology information on the substances	5:				
	Identification		Acute toxicity	Genus		
N-butyl acetate		LD50 oral	12789 mg/kg	Rat		
CAS: 123-86-4		LD50 dermal	14112 mg/kg	Rabbit		
EC: 204-658-1		LC50 inhalation	on 23,4 mg/L (4 h)	Rat		
Hexamethylene c	iisocyanate, oligomers	LD50 oral	5100 mg/kg	Rat		
CAS: 28182-81-2		LD50 dermal	>2000 mg/kg			
EC: 931-274-8		LC50 inhalation	on 11 mg/L (ATEi)			
2-methoxy-1-met	hylethyl acetate	LD50 oral	8532 mg/kg	Rat		
CAS: 108-65-6		LD50 dermal	5100 mg/kg	Rat		
EC: 203-603-9		LC50 inhalatio	on 30 mg/L (4 h)	Rat		
Xylene		LD50 oral	2100 mg/kg	Rat		
CAS: 1330-20-7		LD50 dermal	1100 mg/kg	Rat		
EC: 215-535-7		LC50 inhalatio	on 11 mg/L (ATEi)			
LC. 213-333-/						
	tate	LD50 oral		Rat		
2-butoxyethyl ace	tate	LD50 oral	2100 mg/kg	Rat Rabbit		
2-butoxyethyl ace CAS: 112-07-2	state	LD50 dermal	1480 mg/kg	Rabbit		
2-butoxyethyl ace CAS: 112-07-2 EC: 203-933-3			1480 mg/kg			
2-butoxyethyl ace CAS: 112-07-2 EC: 203-933-3	y Estimate (ATE mix):	LD50 dermal	1480 mg/kg on 11 mg/L (4 h)	Rabbit Rat		
2-butoxyethyl ace CAS: 112-07-2 EC: 203-933-3 Acute Toxicit	y Estimate (ATE mix): ATE mix	LD50 dermal LC50 inhalatio	1480 mg/kg on 11 mg/L (4 h) Ingredient(s) of unknow	Rabbit Rat		
2-butoxyethyl ace CAS: 112-07-2 EC: 203-933-3 Acute Toxicit	y Estimate (ATE mix): ATE mix >2000 mg/kg (Calculati	LD50 dermal LC50 inhalatio	1480 mg/kg on 11 mg/L (4 h) Ingredient(s) of unknow Non-applicable	Rabbit Rat		
2-butoxyethyl ace CAS: 112-07-2 EC: 203-933-3 Acute Toxicit Oral Dermal	y Estimate (ATE mix): ATE mix >2000 mg/kg (Calculati 8468,58 mg/kg (Calculati	LD50 dermal LC50 inhalation ion method) ation method)	1480 mg/kg on 11 mg/L (4 h) Ingredient(s) of unknow Non-applicable 0 %	Rabbit Rat		
2-butoxyethyl ace CAS: 112-07-2 EC: 203-933-3 Acute Toxicit Oral Dermal Inhalation	y Estimate (ATE mix): ATE mix >2000 mg/kg (Calculati 8468,58 mg/kg (Calculati 16,31 mg/L (4 h) (Calcu	LD50 dermal LC50 inhalation ion method) ation method)	1480 mg/kg on 11 mg/L (4 h) Ingredient(s) of unknow Non-applicable	Rabbit Rat		
2-butoxyethyl ace CAS: 112-07-2 EC: 203-933-3 Acute Toxicit Oral Dermal Inhalation	y Estimate (ATE mix): ATE mix >2000 mg/kg (Calculati 8468,58 mg/kg (Calculati 16,31 mg/L (4 h) (Calculati and the constant of the constan	LD50 dermal LC50 inhalation ion method) ation method)	1480 mg/kg on 11 mg/L (4 h) Ingredient(s) of unknow Non-applicable 0 %	Rabbit Rat		
2-butoxyethyl ace CAS: 112-07-2 EC: 203-933-3 Acute Toxicit Oral Dermal Inhalation	y Estimate (ATE mix): ATE mix >2000 mg/kg (Calculati 8468,58 mg/kg (Calculati 16,31 mg/L (4 h) (Calcu	LD50 dermal LC50 inhalation ion method) ation method)	1480 mg/kg on 11 mg/L (4 h) Ingredient(s) of unknow Non-applicable 0 %	Rabbit Rat		
2-butoxyethyl acc CAS: 112-07-2 EC: 203-933-3 Acute Toxicit Oral Dermal Inhalation 2 Information of Endocrine dis	y Estimate (ATE mix): ATE mix >2000 mg/kg (Calculati 8468,58 mg/kg (Calculati 16,31 mg/L (4 h) (Calculati and the constant of the constan	LD50 dermal LC50 inhalation ion method) ation method) ulation method)	1480 mg/kg on 11 mg/L (4 h) Ingredient(s) of unknow Non-applicable 0 %	Rabbit Rat		
2-butoxyethyl acc CAS: 112-07-2 EC: 203-933-3 Acute Toxicit Oral Dermal Inhalation 2 Information of Endocrine dis	y Estimate (ATE mix): ATE mix >2000 mg/kg (Calculati 8468,58 mg/kg (Calculati 16,31 mg/L (4 h) (Calcu on other hazards: srupting properties upting properties: The product fails to me	LD50 dermal LC50 inhalation ion method) ation method) ulation method)	1480 mg/kg on 11 mg/L (4 h) Ingredient(s) of unknow Non-applicable 0 %	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	Degradability		Biodegradab	bility
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	



524,86 Pa·m³/mol

Yes

Yes

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	Identification			Bioaccu	mulatio	n potential
2-methoxy-1-me	thylethyl acetate			BCF	1	
CAS: 108-65-6				Pow Log	0.43	
EC: 203-603-9				Potential	Low	
Xylene				BCF	9	
CAS: 1330-20-7	CAS: 1330-20-7				ow Log 2.77	
EC: 215-535-7				Potential	Low	
12.4 Mobility in so	oil:					
	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 ac	etate	Кос	Non-applicable	Henry		5,532E-1 Pa·m ³ /m
CAS: 112-07-2		Conclusion	Non-applicable	Dry soil		No
EC: 203-933-3		Surface tension	Non-applicable	Moist soil		Yes

Кос

Conclusion

Surface tension

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

Xylene

CAS: 1330-20-7

EC: 215-535-7

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
08 01 11* 15 01 10*	waste paint and varnish containing organic solvents or other hazardous substances packaging containing residues of or contaminated by hazardous substances	Dangerous

202

Moderate

Non-applicable

Henry

Dry soil

Moist soil

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 1	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	
she	14.3	Transport hazard class(es):	3	
	144	Labels: Packing group:	3 III	
		Marine pollutant:	No	
3		Special precautions for user	NO	
		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	NO 2023:		
	14.1	UN number or ID number:	UN1263	
*	14.2	UN proper shipping name:	PAINT	
	14.3	Transport hazard class(es):	3	
		Labels:	3	
		Packing group:	III	
		Environmental hazards: Special precautions for user	No	
	14.0	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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ORY INFORMATION (continue	ed)		
	,		
649/2012, in relation to the imp	ort and export of hazardous ch	emical products: Non-applica	able
Description Lower-tier Upper-tier requirements requirements			
FLAMMABLE LIQUIDS 5000 50000			
	Descr	Description	Description requirements



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SECTION 15: REGU	LATORY INFORMATION (continue	d)	
Shall not be use			
 —ornamental an and ashtrays, 	ticles intended to produce light or colou	r effects by means of differen	nt phases, for example in ornamental lamps
-tricks and jok	es,		
	e or more participants, or any article inte		
			shall not be used as substances on their own,
	in other substances or in mixtures for ir		
employed ensur			% by weight, or (b) the employer or self- training on the safe use of diisocyanates
2. Shall not be p	placed on the market as substances on t	heir own, as a constituent in	other substances or in mixtures for industrial
	l use(s) after 24 February 2022, unless:		0/ house in the second in an and
			. % by weight, or (b) the supplier ensures ne requirements referred to in point (b) of
			at is visibly distinct from the rest of the label
	from 24 August 2023 adequate training		
	ose of this entry "industrial and profession		
	n their own, as a constituent in other sub	ostances or in mixtures for inc	dustrial and professional use(s) or
supervising the			
	referred to in point (b) of paragraph 1 sh		
	ocyanates at the workplace without prej		ucted by an expert on occupational safety
	competence acquired by relevant vocati		
	elements in point (a) of paragraph 5 for		
	elements in points (a) and (b) of paragra		
 handling ope 	n mixtures at ambient temperature (incl		
	ventilated booth		
— application b			
- application b	y brusn y dipping and pouring		
	ost treatment (e.g. cutting) of not fully of	cured articles which are not w	varm anymore
— cleaning and		carea articles which are not w	
	es with similar exposure through the der	mal and/or inhalation route	
	elements in points (a), (b) and (c) of part		ses:
	mpletely cured articles (e.g. freshly cure	ed, still warm)	
— foundry appli		ant	
	and repair that needs access to equipm g of warm or hot formulations (> 45 °C)		
	pen air, with limited or only natural venti		v working halls) and spraving with high
. , .	ims, elastomers)	(,
 and any other 	r uses with similar exposure through the	e dermal and/or	
inhalation route			
5. Training elem			
(a) general train — chemistry of	ning, including on-line training, on:		
	disocyanates ds (including acute toxicity)		
- exposure to a			
	exposure limit values		
	ation can develop		
	cation of hazard		
	f volatility for risk	Nanatos	
— personal hyg	perature, and molecular weight of diisoo	cyanates	
	ective equipment needed, including prac	ctical instructions for its corre	ect use and its limitations
	I contact and inhalation exposure		
	n to application process used		
	lation protection scheme		
- ventilation	vagaa maintananaa		
	kages, maintenance		
 discarding en protection of 			
	of critical handling stages		
	nal code systems (if applicable)		
	sed safety		



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SECTION 15: REGL	JLATORY INFORMATION (continued	d)	
 certification ((b) intermediate additional be maintenance management evaluation of risk in relation certification of (c) advanced training spraying outs open handlin certification of The training Member States (s), as long as tight The supplier courses pursuat are supplied. Th and design. The employee training shall be Member States (a) any establis diisocyanates for (b) the number relation to diiso (c) national exp (d) information 	or documented proof that training has be e level training, including on-line training, ehaviour-based aspects t of change f existing safety instructions on to application process used or documented proof that training has be raining, including on-line training, on: al certification needed for the specific use side a spraying booth ng of hot or warm formulations (> 45 °C) or documented proof that training has be shall comply with the provisions set by th may implement or continue to apply their the minimum requirements set out in para referred to in point (b) of paragraph 2 sh nt to paragraphs 4 and 5 in the official lar he training shall take into consideration the er or self-employed shall document the su e renewed at least every five years. tes shall include in their reports pursuant is shed training requirements and other risk preseen in national law of cases of reported and recognised occu- bosure limits for diisocyanates, if there are about enforcement activities related to the	en successfully completed on: en successfully completed en successfully completed es covered en successfully completed ne Member State in which the r own national requirements fr agraphs 4 and 5 are met. all ensure that the recipient is nguage(s) of the Member Stat ne specificity of the products s ccessful completion of the trai to Article 117(1) the following management measures relate upational asthma and occupati e any his restriction.	e(s) where the substance(s) or mixture(s) supplied, including composition, packaging, ining referred to in paragraphs 4 and 5. The information: ed to the industrial and professional uses of
	sions in terms of protecting people o	or the environment:	
	ded to use the information included in thi order to establish the necessary risk prev		
_	uld be affected by sectorial legislation		
15.2 Chemical safe	, .		
	as not carried out evaluation of chemical s	afety.	
SECTION 16: OTHE	ER INFORMATION		
The SDS shall b has been design (COMMISSION	ned in accordance with ANNEX II-Guide to REGULATION (EU) 2020/878). related to the previous Safety Data	o the compilation of safety dat	blaced on the market. This safety data sheet ta sheets of Regulation (EC) No 1907/2006 ways of managing risks.:

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	R INFORMATION (continued)			
Acute Tox. 4: H Aquatic Chronic Asp. Tox. 1: H3 Eye Irrit. 2: H3 Flam. Liq. 3: H2 Skin Irrit. 2: H3 Skin Sens. 1: H STOT RE 2: H3 STOT SE 3: H3	 312+H332 - Harmful in contact with ski 332 - Harmful if inhaled. 3: H412 - Harmful to aquatic life with l 04 - May be fatal if swallowed and enter 19 - Causes serious eye irritation. 226 - Flammable liquid and vapour. 115 - Causes skin irritation. 317 - 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 procedure:				
STOT SE 3: Calo STOT SE 3: Calo Acute Tox. 4: Ca	alculation method culation method culation method alculation method Iculation method (2.6.4.3)			
Advice related 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 bibliographical sources:				
http://echa.euro http://eur-lex.e	uropa.eu			
	Abbreviations and acronyms: ADR: European agreement concerning the international carriage of dangerous goods by road			
IATA: Internation ICAO: Internation COD: Chemical BOD5: 5day bion BCF: Bioconcen LD50: Lethal Don LC50: Lethal Con EC50: Effective LogPOW: Octan	ose 50 oncentration 50 concentration 50 olwater partition coefficient pefficient of organic carbon			
	onal Agency for Research on Cancer			

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.