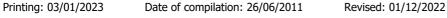
Printing	: 03/01/2023 Date of compilation: 26/06/2011 Revised: 01/12/2022 Version: 9 (Replaced 8)
SEC	TION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1	Product identifier: HARDENER HS
	Other means of identification:
	UFI: 8D86-U0EC-900J-EJDN
1.2	Relevant identified uses of the substance or mixture and uses advised against:
	Relevant uses: Car repair. 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:
1.4	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 Emergency telephone number: (8am-4pm)+48 094 35 123 94; 112
SEC	TION 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 Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412 Eye Irrit. 2: Eye irritation, Category 2, H319 Flam. Liq. 3: Flammable liquids, Category 3, H226 Skin Irrit. 2: Skin irritation, Category 2, H315 Skin Sens. 1: Sensitisation, skin, Category 1, H317 STOT RE 2: Specific target organ toxicity — Repeated exposure, Hazard Category 2 (Oral), H373 STOT SE 3: Respiratory tract toxicity, single exposure, Category 3, H335
2.2	Label elements:
	CLP Regulation (EC) No 1272/2008:
	Warning
	Hazard statements:
	Acute Tox. 4: H332 - Harmful if inhaled. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. Eye Irrit. 2: H319 - Causes serious eye irritation. Flam. Liq. 3: H226 - Flammable liquid and vapour. Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral). STOT SE 3: H335 - May cause respiratory irritation.
	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. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P403+P233: Store in a well-ventilated place. Keep container tightly closed.

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:



Version: 9 (Replaced 8)

NULTI

LER

SECTION 2: HAZARDS IDENTIFICATION (continued)

EUH204: Contains isocyanates. May produce an allergic reaction.

Substances that contribute to the classification

Xylene; Hexamethylene diisocyanate, oligomers; Toluene diisocyanate, oligomeric reaction products with 2,2[']-oxydiethanol and propylidenetrimethanol; Hexamethylene-di-isocyanate

Additional Labelling:

As from 24 August 2023 adequate training is required before industrial or professional use.

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Mixture composed of chemical products

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

	Identification	identification Chemical name/Classification				
CAS: 1330-20-7 EC: 215-535-7		Xylene ⁽¹⁾		Self-classified		
Index: REACH:	215-535-7 601-022-00-9 01-2119488216-32- XXXX	Regulation 1272/2008	Acute Tox. 4: H312+H332; Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H335 - Danger	() () ()	25 - <50 %	
CAS: EC:	28182-81-2 931-274-8	Hexamethylene diiso	ocyanate, oligomers ⁽¹⁾	Self-classified		
Index:	Non-applicable 01-2119485796-17- XXXX	Regulation 1272/2008	Acute Tox. 4: H332; Skin Sens. 1: H317; STOT SE 3: H335 - Warning		10 - <25 %	
CAS:	123-86-4	N-butyl acetate ⁽¹⁾		ATP CLP00		
Index: 6 REACH: 0	204-658-1 607-025-00-1 01-2119485493-29- XXXX	Regulation 1272/2008	Flam. Liq. 3: H226; STOT SE 3: H336; EUH066 - Warning	() ()	10 - <25 %	
CAS: EC:	53317-61-6 500-120-8	Toluene diisocyanate propylidenetrimetha	e, oligomeric reaction products with 2,2´-oxydiethanol and nol ⁽¹⁾	Self-classified		
	Non-applicable Non-applicable	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Sens. 1: H317 - Warning	(1)	10 - <25 %	
CAS:	108-65-6	2-methoxy-1-methy	ethyl acetate ⁽²⁾	ATP ATP01		
	203-603-9 607-195-00-7 01-2119475791-29- XXXX	Regulation 1272/2008	Flam. Liq. 3: H226 - Warning	(5 - <10 %	
CAS: EC:	100-41-4 202-849-4	Ethylbenzene ⁽²⁾		ATP ATP06		
Index:	202-849-4 601-023-00-4 01-2119489370-35- XXXX	Regulation 1272/2008	Acute Tox. 4: H332; Asp. Tox. 1: H304; Flam. Liq. 2: H225; STOT RE 2: H373 - Danger	() () ()	<1 %	
CAS:	822-06-0	Hexamethylene-di-is	socyanate ⁽¹⁾	ATP CLP00		
	212-485-8 615-011-00-1 01-2119457571-37- XXXX	Regulation 1272/2008	Acute Tox. 3: H331; Eye Irrit. 2: H319; Resp. Sens. 1: H334; Skin Irrit. 2: H315; S Sens. 1: H317; STOT SE 3: H335 - Danger	Skin 🛞 🐼	<1 %	

⁽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.

Other information:

Identification	Specific concentration limit
	% (w/w) >=0,5: Resp. Sens. 1 - H334 % (w/w) >=0,5: Skin Sens. 1 - H317

Ð

MULTI

ULLER

HARDENER HS

	03/01/2023	Date of compilation: 26/06/2011	Revised: 01/12/2022	Version: 9 (Replaced 8)						
SECT	TION 4: FIRST	AID MEASURES								
4.1	Description of	f first aid measures:								
	direct exposure	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 contac		TC II							
	unless they are		al could cause further damage	contact lenses, these should be removed e. In all cases, after cleaning, a doctor should						
	By ingestion/	aspiration:								
4.2	out the mouth a	romiting, but if it does happen keep the and throat, as they may have been affe nt symptoms and effects, both acu	cted during ingestion.	n. Keep the person affected at rest. Rinse						
	Acute and delay	ed effects are indicated in sections 2 a	nd 11.							
4.3	-	ved effects are indicated in sections 2 a any immediate medical attention a		ed:						
4.3	-	ved effects are indicated in sections 2 a a any immediate medical attention a		ed:						
4.3	Indication of			ed:						
_	Indication of Non-applicable	any immediate medical attention a		ed:						
SECT	Indication of Non-applicable	any immediate medical attention a		ed:						
_	Indication of Non-applicable TION 5: FIREFI Extinguishing	any immediate medical attention a GHTING MEASURES media:		ed:						
SECT	Indication of Non-applicable TION 5: FIREFI Extinguishing Suitable extin	any immediate medical attention a GHTING MEASURES media: guishing media:	nd special treatment need							
SECT	Indication of Non-applicable TION 5: FIREFI Extinguishing Suitable extin If possible use p	any immediate medical attention a GHTING MEASURES media: guishing media: polyvalent powder fire extinguishers (AE	nd special treatment need	ed: Öoam or carbon dioxide extinguishers (CO2).						
SECT	Indication of Non-applicable TION 5: FIREFI Extinguishing Suitable extinu- If possible use p Unsuitable ext	any immediate medical attention a GHTING MEASURES media: guishing media: polyvalent powder fire extinguishers (AE tinguishing media:	and special treatment need							
SECT 5.1	Indication of Non-applicable ION 5: FIREFI Extinguishing Suitable extinue If possible use p Unsuitable extinue IT IS RECOMME	any immediate medical attention a GHTING MEASURES media: guishing media: polyvalent powder fire extinguishers (AE tinguishing media: NDED NOT to use full jet water as an e	and special treatment need BC powder), alternatively use f							
SECT	Indication of Non-applicable TION 5: FIREFI Extinguishing Suitable extine If possible use p Unsuitable extine IT IS RECOMME Special hazard	any immediate medical attention a GHTING MEASURES media: guishing media: polyvalent powder fire extinguishers (AE tinguishing media: NDED NOT to use full jet water as an e Is arising from the substance or mi	BC powder), alternatively use f	oam or carbon dioxide extinguishers (CO2).						
SECT 5.1 5.2	Indication of Non-applicable TION 5: FIREFI Extinguishing Suitable extine If possible use p Unsuitable extine IT IS RECOMME Special hazarc As a result of co consequently, ca	any immediate medical attention a GHTING MEASURES media: guishing media: polyvalent powder fire extinguishers (AE tinguishing media: NDED NOT to use full jet water as an e Is arising from the substance or mi mbustion or thermal decomposition rea an present a serious health risk.	BC powder), alternatively use f	oam or carbon dioxide extinguishers (CO2).						
SECT 5.1	Indication of Non-applicable ION 5: FIREFI Extinguishing Suitable extinuing If possible use p Unsuitable extinuing IT IS RECOMME Special hazaro As a result of co consequently, ca Advice for fire	any immediate medical attention a GHTING MEASURES media: guishing media: polyvalent powder fire extinguishers (AE tinguishing media: NDED NOT to use full jet water as an e Is arising from the substance or mi imbustion or thermal decomposition rea an present a serious health risk. fighters:	BC powder), alternatively use f extinguishing agent. ixture: active sub-products are created	ioam or carbon dioxide extinguishers (CO2). d that can become highly toxic and,						
SECT 5.1 5.2	Indication of Non-applicable Non-applicable Extinguishing Suitable extinuing If possible use p Unsuitable extinuing IT IS RECOMME Special hazarc As a result of co consequently, ca Advice for fire Depending on th (SCBA). Minimu with Directive 85	any immediate medical attention a GHTING MEASURES media: guishing media: polyvalent powder fire extinguishers (AE tinguishing media: NDED NOT to use full jet water as an e is arising from the substance or mi imbustion or thermal decomposition rea an present a serious health risk. fighters: me magnitude of the fire it may be nece um emergency facilities and equipment 9/654/EC.	BC powder), alternatively use f extinguishing agent. ixture: active sub-products are created ssary to use full protective clo	oam or carbon dioxide extinguishers (CO2).						
SECT 5.1 5.2	Indication of Non-applicable TION 5: FIREFI Extinguishing Suitable extinu If possible use p Unsuitable extinu IT IS RECOMME Special hazard As a result of co consequently, ca Advice for fire Depending on th (SCBA). Minimu with Directive 89 Additional pro	any immediate medical attention a GHTING MEASURES media: guishing media: polyvalent powder fire extinguishers (AE tinguishing media: NDED NOT to use full jet water as an e is arising from the substance or mi mbustion or thermal decomposition rea an present a serious health risk. fighters: ne magnitude of the fire it may be nece um emergency facilities and equipment D/654/EC. visions:	BC powder), alternatively use f extinguishing agent. ixture: active sub-products are created ssary to use full protective clo should be available (fire blank	ioam or carbon dioxide extinguishers (CO2). d that can become highly toxic and, thing and self-contained breathing apparatus						

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.

Printing: 03/01/2023	Date of compilation: 26/06/2011	Revised: 01/12/2022	Version: 9 (Replaced 8)	
----------------------	---------------------------------	---------------------	-------------------------	--

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

For emergency responders:

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

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

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.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

- C.- Technical recommendations on general occupational hygiene
 - Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.
- D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.:	15 °C
Maximum Temp.:	25 ºC
Maximum time:	12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

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

Printing: 03/01/2023 Date of compilation: 26/06/2011

Revised: 01/12/2022

Version: 9 (Replaced 8)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

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		
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
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-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
Ethylbenzene	IOELV (8h)	100 ppm	442 mg/m ³
CAS: 100-41-4 EC: 202-849-4	IOELV (STEL)	200 ppm	884 mg/m ³

DNEL (Workers):

		Short	Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local	
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	
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	
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-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	
Ethylbenzene	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
CAS: 100-41-4	Dermal	Non-applicable	Non-applicable	180 mg/kg	Non-applicable	
EC: 202-849-4	Inhalation	Non-applicable	293 mg/m ³	77 mg/m ³	Non-applicable	
Hexamethylene-di-isocyanate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
CAS: 822-06-0	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
EC: 212-485-8	Inhalation	Non-applicable	0,07 mg/m ³	Non-applicable	0,035 mg/m ³	

DNEL (General population):

		Short	Short exposure		exposure
Identification		Systemic	Local	Systemic	Local
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
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-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
Ethylbenzene	Oral	Non-applicable	Non-applicable	1,6 mg/kg	Non-applicable
CAS: 100-41-4	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 202-849-4	Inhalation	Non-applicable	Non-applicable	15 mg/m ³	Non-applicable

PNEC:

Identification						
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		



Printing: 03/01/2023 Date of compilation: 26/06/2011

Revised: 01/12/2022

Version: 9 (Replaced 8)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

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-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
Ethylbenzene	STP	9,6 mg/L	Fresh water	0,1 mg/L
CAS: 100-41-4	Soil	2,68 mg/kg	Marine water	0,01 mg/L
EC: 202-849-4	Intermittent	0,1 mg/L	Sediment (Fresh water)	13,7 mg/kg
	Oral	0,02 g/kg	Sediment (Marine water)	1,37 mg/kg
Hexamethylene-di-isocyanate	STP	8,42 mg/L	Fresh water	Non-applicable
CAS: 822-06-0	Soil	Non-applicable	Marine water	Non-applicable
EC: 212-485-8	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory respiratory tract protection	Filter mask for gases and vapours (Filter type: A)		EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection 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	The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

	Pictogram	PPE	Labelling	CEN Standard	Remarks
	Mandatory face protection	Panoramic glasses against splash/projections.	CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.
E	Body protection				



Safety data sheet

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

HARDENER HS

Pictogram			PPE	Labelling		CEN Standard		Remarks
	Mandatory complete body protection	protectio risks, w	able clothing for n against chemical ith antistatic and roof properties		E	EN 1149-1,2,3 3034:2005+A1:2009 EN ISO 13982- 1:2004/A1:2010 N ISO 6529:2013 N ISO 6530:2005 V ISO 13688:2013 EN 464:1994		r professional use only. Clean periodically ording to the manufacturer's instructions
	Mandatory foot protection						Replace boots at any sign of deterioratio	
F	Additional emerge	ency mea	isures					
	Emergency mea	asure	St	andards		Emergency measu	ire	Standards
	Emergency sho	ower		ISI Z358-1 011, ISO 3864-4:2011		Eyewash stations		DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011
	Environmental exposure controls:							

9.1	Information on basic physical and chemical pro	operties:
	For complete information see the product datasheet.	
	Appearance:	
	Physical state at 20 °C:	Liquid
	Appearance:	Fluid
	Colour:	Colourless
	Odour:	Characteristic
	Odour threshold:	Non-applicable *
	Volatility:	
	Boiling point at atmospheric pressure:	134 °C
	Vapour pressure at 20 °C:	865 Pa
	Vapour pressure at 50 °C:	4569,61 Pa (4,57 kPa)
	Evaporation rate at 20 °C:	Non-applicable *
	Product description:	
	Density at 20 °C:	1 kg/m ³
	Relative density at 20 °C:	0,968
	Dynamic viscosity at 20 °C:	2593,15 cP
	Kinematic viscosity at 20 °C:	2679,48 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 *
	*Not relevant due to the nature of the product, not providing inf	ormation property of its hazards.

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

HARDENER HS

Printing:	03/01/2023	Date of compilation: 26/06/2011	Revised: 01/12/2022	Version: 9 (Replaced 8)
SECT	TION 9: PHYSIC	AL AND CHEMICAL PROPERTIE	S (continued)	
	Solubility propert	ies:	Non-applicable *	
	Decomposition temperature: Melting point/freezing point:		Non-applicable *	
			Non-applicable *	
	Flammability:			
	Flash Point:		26 °C	
	Flammability (sol	lid, gas):	Non-applicable *	
	Autoignition tem	perature:	315 °C	
	Lower flammabili	ity limit:	Not available	
	Upper flammability limit:		Not available	
	Particle charac	teristics:		
	Median equivaler	nt diameter:	Non-applicable	
9.2	Other informat	ion:		
	Information wi	ith regard to physical hazard clas	sses:	
	Explosive proper	ties:	Non-applicable *	
	Oxidising propert	ties:	Non-applicable *	
	Corrosive to met	als:	Non-applicable *	
	Heat of combust	ion:	Non-applicable *	
	Aerosols-total pe components:	rcentage (by mass) of flammable	Non-applicable *	
	Other safety ch	naracteristics:		
	Surface tension a	at 20 °C:	Non-applicable *	
	Refraction index:		Non-applicable *	
	*Not relevant due to	the nature of the product, not providing info	rmation 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 (CO_2), 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

	01/2023		·	: 26/06/20		Revised: 01/1	2/2022	Version: 9 (Replaced	8)	
ION	11: TOXIC	OLOGÍCÁL	INFORM	MATION (continu	ed)				
Dar	ngerous hea	lth implica	tions:							
adv		n health ma				entrations high eans of exposur		ommended occupation	al exposure li	
	as hazardous	for consum /Irritability:	ption. For The consu	more infori	mation se	e section 3		t does not contain sub in the throat, abdomin		
	vertigo, nause	ea, vomiting /Irritability: assages.	, confusion Causes irr	n, and in se itation in re	erious cas espiratory	ses, loss of cons	ciousness.	ous system causing he eversible and limited to		
	- Contact with		-	-	-					
	- Contact wi	ith the eyes:	Produces	eye damag	ge after o	contact. to reproduction):			
	as hazardous IARC: Xyler - Mutagenic hazardous for - Reproduct	for the efferne (3); Ethyl ity: Based o r this effect. ive toxicity: nazardous fo	cts mentio benzene (n available For more Based on a	ned. For m 2B); Toluer data, the informatior available da	nore inform ne Diisocy classifica n see sect ata, the c	mation see sect /anate (2B) tion criteria are tion 3.	ion 3. not met, as it c eria are not me	t does not contain sub loes not contain substa t, as it does not conta	ances classifi	
	dangerous wi	ith sensitisin onged contac	g effects. I ct with the	For more ir skin can re	nformatio esult in e	n see section 3 pisodes of aller		ver, it contains substan natitis.	ces classified	
	Causes irritat	ion in respira	atory pass	ages, whicl	h is norm	ally reversible a	and limited to th	ne upper respiratory pa	assages.	
G-	Specific targe	t organ toxicity (STOT)-repeated exposure:								
H-	nervous syste consciousness - Skin: Base classified as c Aspiration has	em causing h s. ed on availab dangerous d zard:	neadache, ble data, th ue to repe	dizziness, v ne classifica titive expos	vertigo, n ation crite sure. For	ausea, vomiting ria are not met more informatio	g, confusion, an However, it do on see section 3	ration can interfere wit d in serious cases, los pes contain substances }. ain substances classifie	s of s which are	
	for this effect		nformatior	n see sectio	on 3.					
Oth	her informat	ion:								
Nor	n-applicable									
	ecific toxicol	logy inform	nation on	the subst	tances:					
Spe			Identifica	ation				Acute toxicity	Geni	
Spe			Identifica	acioni			1			
	nethoxy-1-methy	lethyl acetate	Identifica				LD50 oral	8532 mg/kg	Rat	
2-m	nethoxy-1-methy S: 108-65-6	lethyl acetate	Identifica				LD50 oral LD50 dermal	8532 mg/kg 5100 mg/kg		
2-m CAS		lethyl acetate	Identifica						Rai	
2-m CAS EC:	S: 108-65-6	lethyl acetate	Identifica				LD50 dermal	5100 mg/kg	Rai	
2-m CAS EC: Xyle	S: 108-65-6 : 203-603-9	lethyl acetate	Identifica				LD50 dermal LC50 inhalation	5100 mg/kg 30 mg/L (4 h)	Rat Rat Rat	
2-m CAS EC: Xyle CAS	S: 108-65-6 : 203-603-9 ene	lethyl acetate	Identifica				LD50 dermal LC50 inhalation LD50 oral	5100 mg/kg 30 mg/L (4 h) 2100 mg/kg	Rat Rat Rat	
2-m CAS EC: Xyle CAS EC:	S: 108-65-6 : 203-603-9 ene S: 1330-20-7						LD50 dermal LC50 inhalation LD50 oral LD50 dermal	5100 mg/kg 30 mg/L (4 h) 2100 mg/kg 1100 mg/kg	Rat Rat Rat Rat	
2-m CAS EC: Xyle CAS EC: Hex	S: 108-65-6 : 203-603-9 ene S: 1330-20-7 : 215-535-7						LD50 dermal LC50 inhalation LD50 oral LD50 dermal LC50 inhalation	5100 mg/kg 30 mg/L (4 h) 2100 mg/kg 1100 mg/kg 11 mg/L (ATEi)	Rat Rat Rat Rat Rat Rat	

Printing: 03/01/2023 Date of compilation: 26/06/2011 Revised: 01/12/2022 Version: 9 (Replaced 8) SECTION 11: TOXICOLOGICAL INFORMATION (continued) Acute toxicity Genus Identification Toluene diisocyanate, oligomeric reaction products with 2,2 '-oxydiethanol and LD50 oral >2000 mg/kg propylidenetrimethanol LD50 dermal >2000 mg/kg CAS: 53317-61-6 LC50 inhalation EC: 500-120-8 >20 mg/L N-butyl acetate LD50 oral 12789 mg/kg Rat LD50 dermal 14112 mg/kg Rabbit CAS: 123-86-4 EC: 204-658-1 LC50 inhalation 23,4 mg/L (4 h) Rat Hexamethylene-di-isocyanate LD50 oral >2000 mg/kg CAS: 822-06-0 LD50 dermal >2000 mg/kg 3 mg/L (1 h) (ATEi) EC: 212-485-8 LC50 inhalation Rat LD50 oral 3500 mg/kg Rat Ethylbenzene CAS: 100-41-4 LD50 dermal 15354 mg/kg Rabbit EC: 202-849-4 LC50 inhalation 17,2 mg/L (4 h) Rat

Acute Toxicity Estimate (ATE mix):

	Ingredient(s) of unknown toxicity	
Oral	>2000 mg/kg (Calculation method)	Non-applicable
Dermal	2929,04 mg/kg (Calculation method)	0 %
Inhalation	18 mg/L (4 h) (Calculation method)	0 %

11.2 Information on other hazards:

Endocrine disrupting properties

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

Other information

Non-applicable

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
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
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-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		
Ethylbenzene	LC50	42,3 mg/L (96 h)	Pimephales promelas	Fish
CAS: 100-41-4	EC50	75 mg/L (48 h)	Daphnia magna	Crustacean
EC: 202-849-4	EC50	63 mg/L (3 h)	Chlorella vulgaris	Algae
Chronic toxicity:				
Identification		Concentration	Species	Genus

Identification		Concentration	Species	Genus
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



Genus

Crustacean

Fish

Crustacean

Crustacean

Non-applicable

Non-applicable

28 days

88 %

5 days

84 %

8 days

100 %

785 mg/L

100 mg/L

14 days

100 mg/L

28 days

28 %

90 %

HARDENER HS

Printing: 03/01/2023 Date of compilation: 26/06/2011 Revised: 01/12/2022 Version: 9 (Replaced 8) SECTION 12: ECOLOGICAL INFORMATION (continued) Identification Concentration Species NOEC Non-applicable N-butyl acetate CAS: 123-86-4 EC: 204-658-1 NOEC 23,2 mg/L Daphnia magna NOEC 47,5 mg/L Oryzias latipes 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 NOFC 100 mg/L Daphnia magna NOEC Non-applicable Ethylbenzene CAS: 100-41-4 EC: 202-849-4 NOEC 0,96 mg/L Ceriodaphnia dubia 12.2 Persistence and degradability: Substance-specific information: Identification Degradability Biodegradability Xylene BOD5 Non-applicable Concentration CAS: 1330-20-7 COD Non-applicable Period BOD5/COD EC: 215-535-7 Non-applicable % Biodegradable BOD5 Concentration Non-applicable N-butyl acetate COD Non-applicable CAS: 123-86-4 Period EC: 204-658-1 BOD5/COD Non-applicable % Biodegradable BOD5 Non-applicable Concentration 2-methoxy-1-methylethyl acetate CAS: 108-65-6 COD Non-applicable Period EC: 203-603-9 BOD5/COD % Biodegradable Non-applicable Ethylbenzene BOD5 Non-applicable Concentration CAS: 100-41-4 COD Non-applicable Period EC: 202-849-4 BOD5/COD % Biodegradable Non-applicable Concentration Hexamethylene-di-isocyanate BOD5 Non-applicable CAS: 822-06-0 COD Non-applicable Period EC: 212-485-8 BOD5/COD % Biodegradable Non-applicable 12.3 Bioaccumulative potential: Substance-specific information: Identification **Bioaccumulation potential** BCF Xylene Pow Log 2.77 CAS: 1330-20-7 Potential EC: 215-535-7 Low N but d acotato

N-butyl acetate	BCF	4	
CAS: 123-86-4	Pow Log	1.78	
EC: 204-658-1	Potential	Low	
2-methoxy-1-methylethyl acetate	BCF	1	
CAS: 108-65-6	Pow Log	0.43	
EC: 203-603-9	Potential	Low	
Ethylbenzene	BCF	1	
CAS: 100-41-4	Pow Log	3.15	
EC: 202-849-4	Potential	Low	

12.4 Mobility in soil:

Identification	Absorp	Absorption/desorption		Volatility	
Xylene	Кос	202	Henry	524,86 Pa·m ³ /mol	
CAS: 1330-20-7	Conclusion	Moderate	Dry soil	Yes	
EC: 215-535-7	Surface tension	Non-applicable	Moist soil	Yes	
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	
Ethylbenzene	Кос	520	Henry	798,44 Pa·m³/mol	
CAS: 100-41-4	Conclusion	Moderate	Dry soil	Yes	
EC: 202-849-4	Surface tension	2,859E-2 N/m (25 °C)	Moist soil	Yes	

12.5 Results of PBT and vPvB assessment:



Printing: 03/01/2023 Date of compilation: 26/06/2011 Revised: 01/12/2022

Version: 9 (Replaced 8)

Product fails to meet PBT/vPvB criteria

SECTION 12: ECOLOGICAL INFORMATION (continued)

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):

HP14 Ecotoxic, HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP6 Acute Toxicity, HP13 Sensitising, HP4 Irritant — skin irritation and eye damage

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:

14.2	UN number or ID number: UN proper shipping name: Transport hazard class(es):	UN1263 PAINT 3
	Labels:	3
	Packing group:	III
3 14.5	Environmental hazards:	No
14.6	Special precautions for user	
	Special regulations:	163, 367, 650
	Tunnel restriction code:	D/E
	Physico-Chemical properties:	see section 9
	Limited quantities:	5 L
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable
Transport of dangero	us goods by sea:	

With regard to IMDG 40-20:

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



Printing: 03/01/2023 Dat	e of compilation: 26/06/2011	Revised: 01/12/2022	Version: 9 (Replaced 8)			
SECTION 14: TRANSPORT INFORMATION (continued)						
14,	 UN number or ID number: UN proper shipping name: Transport hazard class(es): Labels: 	UN1263 PAINT 3 3				
3 14. 3 14. 14.	- · · · · · · · · · · · · · · · · · · ·	III No 223, 955, 163, 367				
	EmS Codes: Physico-Chemical properties: Limited quantities: Segregation group:	F-E, S-E see section 9 5 L Non-applicable				
14.	7 Maritime transport in bulk according to IMO instruments:	Non-applicable				
Transport of dange	rous goods by air:					
With regard to IATA/	CAO 2022:					
14	 UN number or ID number: UN proper shipping name: Transport hazard class(es): Labels: 	UN1263 PAINT 3 3				
· · · · · · · · · · · · · · · · · · ·	 Packing group: Environmental hazards: Special precautions for user 	III No				
	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, hea	Ith 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				
	REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable				
	Seveso III:				
	Section	Description	Lower-tier requirements	Upper-tier requirements	
	P5c	FLAMMABLE LIQUIDS	5000	50000	

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc):

nting: 03/01/2023	Date of compilation: 26/06/2011	Revised: 01/12/2022	Version: 9 (Replaced 8)
SECTION 15: REGU	LATORY INFORMATION (continue	d)	
Shall not be use	d in:		
	ticles intended to produce light or colour	effects by means of differen	t phases, for example in ornamental lamps
and ashtrays, —tricks and joke	25,		
-games for one	e or more participants, or any article inte		
oligomeric react		propylidenetrimethanol by w	reight. 1. Shall not be used as substances on
(a) the concentr employed ensur	ation of diisocyanates individually and in	combination is less than 0,1	ssional use(s) after 24 August 2023, unless: % by weight, or (b) the employer or self- training on the safe use of diisocyanates
2. Shall not be p		neir own, as a constituent in o	other substances or in mixtures for industrial
(a) the concentr	ation of diisocyanates individually and in		% 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
information: "As	from 24 August 2023 adequate training	is required before industrial	or professional use".
	se of this entry "industrial and professio their own, as a constituent in other sub		
supervising thes			
4. The training r	eferred to in point (b) of paragraph 1 sh		
	ocyanates at the workplace without preju		
	competence acquired by relevant vocation		ucted by an expert on occupational safety
	elements in point (a) of paragraph 5 for		
(b) the training	elements in points (a) and (b) of paragra	ph 5 for the following uses:	
	n mixtures at ambient temperature (inclu	iding foam tunnels)	
 — spraying in a — application by 			
— application by			
	dipping and pouring		
	ost treatment (e.g. cutting) of not fully o	ured articles which are not w	arm anymore
 cleaning and 		nal and/an inhalation norta	
	es with similar exposure through the deri elements in points (a), (b) and (c) of par		
	mpletely cured articles (e.g. freshly cure		
— foundry appli		. ,	
	and repair that needs access to equipme	ent	
	g of warm or hot formulations (> 45 °C)	ation (includes large industry	(working halle) and envising with high
energy (e.g. foa	pen air, with limited or only natural venti	ation (includes large industry	working halls) and spraying with high
	r uses with similar exposure through the	dermal and/or	
inhalation route.		,	
5. Training elem			
(a) general train — chemistry of	ing, including on-line training, on:		
	ds (including acute toxicity)		
— exposure to c			
	exposure limit values		
 how sensitisa odour as india 	tion can develop		
	f volatility for risk		
	perature, and molecular weight of diisoc	yanates	
— personal hygi		-	
	ective equipment needed, including prac	tical instructions for its correc	ct use and its limitations
	l contact and inhalation exposure n to application process used		
	lation protection scheme		
 ventilation 			
	ages, maintenance		
 discarding en protection of 			
 protection of identification 	of critical handling stages		
	nal code systems (if applicable)		
· ·		JED ON NEXT PAGE -	

SECT	03/01/2023	Date of compilation: 26/06/2011	Revised: 01/12/2022	Version: 9 (Replaced 8)
	ION 15: REGU	LATORY INFORMATION (continue	d)	
	 behaviour-ba certification of additional bel maintenance management evaluation of risk in relation certification of certification of cortification of cortification of certification of The training s Member States (s), as long as ti The supplied. The and design. The employee training shall be Member States (a) any establish diisocyanates fo (b) the number relation to diisoo (c) national exp (d) information This restrictivorkplace. 	sed safety or documented proof that training has be a level training, including on-line training haviour-based aspects of change existing safety instructions in to application process used or documented proof that training has be ining, including on-line training, on: I certification needed for the specific use ide a spraying booth g 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 the he minimum requirements set out in par- referred to in point (b) of paragraph 2 sh it to paragraphs 4 and 5 in the official la e training shall take into consideration t or self-employed shall document the su renewed at least every five years. as shall include in their reports pursuant hed training requirements and other risk reseen in national law of cases of reported and recognised occ cyanates osure limits for diisocyanates, if there ar about enforcement activities related to t	een successfully completed , on: een successfully completed es covered een successfully completed ne Member State in which the ir own national requirements f agraphs 4 and 5 are met. nall ensure that the recipient is nguage(s) of the Member Stat he specificity of the products s uccessful completion of the trat to Article 117(1) the following management measures relate upational asthma and occupat e any his restriction. r Union legislation on the prot	te(s) where the substance(s) or mixture(s) supplied, including composition, packaging, ining referred to in paragraphs 4 and 5. The
		led to use the information included in th order to establish the necessary risk pre on:		
	The product cou	Ild be affected by sectorial legislation		
15.2	Chemical safe	ty assessment:		

- H315: Causes skin irritation.
- H335: May cause respiratory irritation.
- H412: Harmful to aquatic life with long lasting effects.
- H373: May cause damage to organs through prolonged or repeated exposure (Oral).
- H317: May cause an allergic skin reaction.
- H332: Harmful if inhaled.
- H226: Flammable liquid and vapour.
- H319: Causes serious eye irritation.

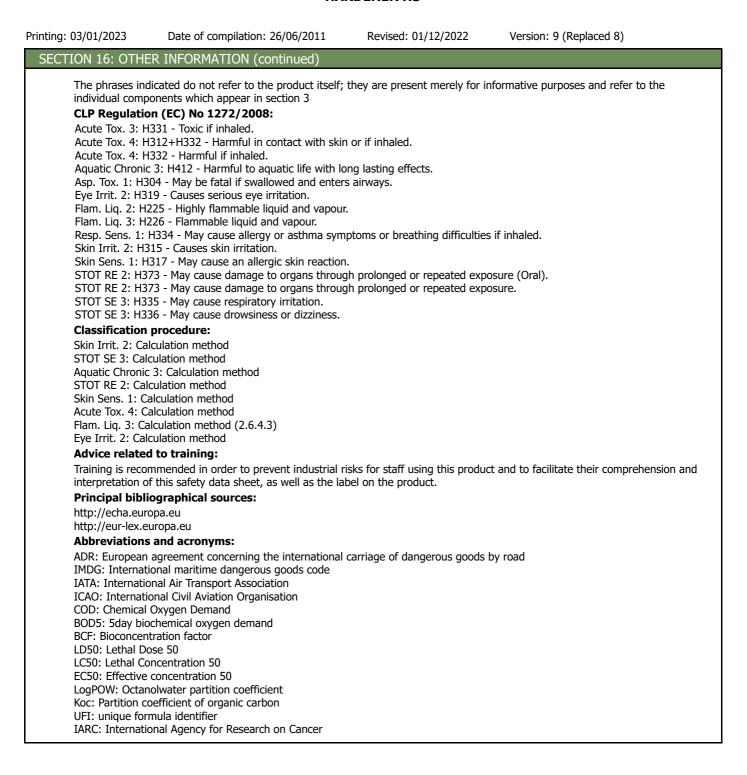
Texts of the legislative phrases mentioned in section 3:

- CONTINUED ON NEXT PAGE -

MULTI FÜLLER

NOU





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.

JULTI

FR