

# HARDENER FOR TOP COAT RAL COLOURS 1:2

:CI	TON 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING							
1	Product identifier: HARDENER FOR TOP COAT RAL COLOURS 1:2							
-	Other means of identification:							
	UFI: FTX6-J1NY-400G-UXHW							
2	Relevant identified uses of the substance or mixture and uses advised against:							
-	Relevant uses: Car repair; hardener for coatings. For professional users only.							
	Relevant uses: Car repair; nardener for coatings. For professional users only. Uses advised against: All uses not specified in this section or in section 7.3							
3	Details of the supplier of the safety data sheet:							
	Troton Sp. z o.o. Ząbrowo 14A 78-120 Gościno - Zachodniopomorskie - Polska Phone: +48 94 35 123 94 - Fax: +48 94 35 126 22 troton@troton.com.pl www.troton.pl / www.troton.eu							
4	Emergency telephone number: (8am-4pm)+48 094 35 123 94; 112							
-CT	TON 2: HAZARDS IDENTIFICATION **							
1	Classification of the substance or mixture:							
-	CLP Regulation (EC) No 1272/2008:							
	Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.							
	Acute Tox. 4: Acute inhalation toxicity, Category 4, H332 Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412 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 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	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. 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 SE 3: H335 - May cause respiratory irritation. STOT SE 3: H336 - May cause drowsiness or dizziness. <b>Precautionary statements:</b>							
	<ul> <li>P260: Do not breathe dust/fume/gas/mist/vapours/spray.</li> <li>P271: Use only outdoors or in a well-ventilated area.</li> <li>P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.</li> <li>P302+P352: IF ON SKIN: Wash with plenty of water.</li> <li>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</li> <li>P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.</li> <li>P403+P233: Store in a well-ventilated place. Keep container tightly closed.</li> <li>P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.</li> <li>Supplementary information:</li> </ul>							
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# HARDENER FOR TOP COAT RAL COLOURS 1:2

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SECT	SECTION 2: HAZARDS IDENTIFICATION ** (continued)								
	Substances that contribute to the classification								
	Hexamethylene	e diisocyanate, oligomers; m-xylene; p-xy	lene; Hydrocarbons, C9, aroi	natics					
	Additional Labelling:								
	As from 24 August 2023 adequate training is required before industrial or professional use.								
2.3	2.3 Other hazards:								
Product fails to meet PBT/vPvB criteria Endocrine-disrupting properties: The product fails to meet the criteria.									

\*\* Changes with regards to the previous version

# 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		Chemical name/Classification		Concentration
CAS:	28182-81-2	Hexamethylene diiso	ocyanate, oligomers <sup>(1)</sup>	Self-classified	
	931-274-8 Non-applicable 01-2119485796-17- XXXX	Regulation 1272/2008	Acute Tox. 4: H332; Skin Sens. 1: H317; STOT SE 3: H335 - Warning	$\diamondsuit$	25 - <50 %
CAS:	108-38-3	m-xylene <sup>(1)</sup>		ATP CLP00	
	203-576-3 601-022-00-9 01-2119484621-37- XXXX	Regulation 1272/2008	Acute Tox. 4: H312+H332; Flam. Liq. 3: H226; Skin Irrit. 2: H315 - Warning		10 - <25 %
CAS: EC:	106-42-3	p-xylene <sup>(1)</sup>		ATP CLP00	
Index:	203-396-5 601-022-00-9 01-2119484661-33- XXXX	Regulation 1272/2008	Acute Tox. 4: H312+H332; Flam. Liq. 3: H226; Skin Irrit. 2: H315 - Warning		10 - <25 %
CAS:	128601-23-0	Hydrocarbons, C9, aromatics <sup>(1)</sup> Self-classified			
	918-668-5 Non-applicable 01-2119455851-35- XXXX	Regulation 1272/2008	Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H335; STOT SE 3: H336; EUH066 - Danger	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	10 - <25 %
CAS:	100-41-4	Ethylbenzene <sup>(1)</sup>		ATP ATP06	
	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	() 🔅 🚸	5 - <10 %
CAS: EC:	123-86-4	N-butyl acetate <sup>(1)</sup>		ATP CLP00	
Index: REACH:	204-658-1 607-025-00-1 01-2119485493-29- XXXX	Regulation 1272/2008	Flam. Liq. 3: H226; STOT SE 3: H336; EUH066 - Warning		5 - <10 %
CAS:	108-65-6	2-methoxy-1-methy	ethyl acetate <sup>(2)</sup>	ATP ATP01	
Index: REACH:	203-603-9 607-195-00-7 01-2119475791-29- XXXX	Regulation 1272/2008	Flam. Liq. 3: H226 - Warning	٨	2,5 - <5 %

<sup>(1)</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878 <sup>(2)</sup> 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:



# HARDENER FOR TOP COAT RAL COLOURS 1:2

Printing:	21/12/2022	Date of compilation: 27/05/2020	Revised: 24/05/2022	Version: 2 (Replaced 1)				
SECT	TON 4: FIRST	AID MEASURES (continued)						
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:								
	cardiorespirato	erson affected from the area of exposure, ry failure, artificial resuscitation technique etc.) requiring immediate medical assista	s will be necessary (mouth t					
	-		or chower the person offects	d if appropriate with plenty of cold water				
	and neutral so could worsen t increase the ris	ap. In serious cases see a doctor. If the pr he injury caused if it is stuck to the skin. sk of infection.	roduct causes burns or freezi	ng, clothing should not be removed as this				
	By eye conta		TC the initial nearest second	contract lawses, these should be near and				
	unless they are	s quickly as possible with the SDS for the	l could cause further damage	contact lenses, these should be removed e. In all cases, after cleaning, a doctor should				
		vomiting, but if it does happen keep the h and throat, as they may have been affect		n. Keep the person affected at rest. Rinse				
4.2	Most importa	int symptoms and effects, both acute	e and delayed:					
	Acute and dela	yed effects are indicated in sections 2 and	d 11.					
4.3	Indication of	any immediate medical attention an	d special treatment need	ed:				
	Non-applicable							
CE CE								
SECT	ION 5: FIREF	IGHTING MEASURES						
5.1	Extinguishing	media:						
Suitable extinguishing media: If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (C								
							Unsuitable ex	tinguishing media:
	IT IS RECOMM	ENDED NOT to use full jet water as an ex	tinguishing agent.					
5.2	Special hazar	ds arising from the substance or mix	ture:					
	Ac a recult of c	ambuction or thormal decomposition read	tive sub-products are created	that can become highly toxic and				

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

### 5.3 Advice for firefighters:

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:



# HARDENER FOR TOP COAT RAL COLOURS 1:2

SECT	TON 6: ACCIDENTAL RELEASE MEASURES (continued)						
	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. Methods and material for containment and cleaning up:						
5.3							
	It is recommended:						
6.4	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. <b>Reference to other sections:</b>						
	See sections 8 and 13.						
SECT	TON 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						
7.2	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. <b>Conditions for safe storage, including any incompatibilities:</b>						
/.2	A Technical measures for storage						
	Minimum Temp.: 15 °C						
	Maximum Temp.: 25 °C						
	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):						
/10	Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.						
SECT	TON 8: EXPOSURE CONTROLS/PERSONAL PROTECTION						
8.1	Control parameters:						
5.2	Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):						

## HARDENER FOR TOP COAT RAL COLOURS 1:2

# Printing: 21/12/2022 Date of compilation: 27/05/2020 Revised: 24/05/2022

Version: 2 (Replaced 1)

## 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			
m-xylene		IOELV (8h)	50 ppm	221 mg/m <sup>3</sup>	
CAS: 108-38-3	EC: 203-576-3	IOELV (STEL)	100 ppm	442 mg/m <sup>3</sup>	
p-xylene		IOELV (8h)	50 ppm	221 mg/m <sup>3</sup>	
CAS: 106-42-3	EC: 203-396-5	IOELV (STEL)	100 ppm	442 mg/m <sup>3</sup>	
Ethylbenzene		IOELV (8h)	100 ppm	442 mg/m <sup>3</sup>	
CAS: 100-41-4	EC: 202-849-4	IOELV (STEL)	200 ppm	884 mg/m <sup>3</sup>	
N-butyl acetate		IOELV (8h)	50 ppm	241 mg/m <sup>3</sup>	
CAS: 123-86-4	EC: 204-658-1	IOELV (STEL)	150 ppm	723 mg/m <sup>3</sup>	
2-methoxy-1-met	hylethyl acetate	IOELV (8h)	50 ppm	275 mg/m <sup>3</sup>	
CAS: 108-65-6	EC: 203-603-9	IOELV (STEL)	100 ppm	550 mg/m <sup>3</sup>	

#### DNEL (Workers):

		Short e	exposure	Long e	xposure
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 <sup>3</sup>	Non-applicable	0,5 mg/m <sup>3</sup>
m-xylene	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-38-3	Dermal	Non-applicable	Non-applicable	212 mg/kg	Non-applicable
EC: 203-576-3	Inhalation	442 mg/m <sup>3</sup>	442 mg/m <sup>3</sup>	221 mg/m <sup>3</sup>	221 mg/m <sup>3</sup>
p-xylene	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 106-42-3	Dermal	Non-applicable	Non-applicable	212 mg/kg	Non-applicable
EC: 203-396-5	Inhalation	442 mg/m <sup>3</sup>	442 mg/m <sup>3</sup>	221 mg/m <sup>3</sup>	221 mg/m <sup>3</sup>
Hydrocarbons, C9, aromatics	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 128601-23-0	Dermal	Non-applicable	Non-applicable	25 mg/kg	Non-applicable
EC: 918-668-5	Inhalation	Non-applicable	Non-applicable	150 mg/m <sup>3</sup>	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 <sup>3</sup>	77 mg/m <sup>3</sup>	Non-applicable
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 <sup>3</sup>	600 mg/m <sup>3</sup>	300 mg/m <sup>3</sup>	300 mg/m <sup>3</sup>
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 <sup>3</sup>	275 mg/m <sup>3</sup>	Non-applicable

### DNEL (General population):

		Short e	xposure	Long e	exposure
Identification	Systemic	Local	Systemic	Local	
m-xylene	Oral	Non-applicable	Non-applicable	2,5 mg/kg	Non-applicable
CAS: 108-38-3	Dermal	Non-applicable	Non-applicable	125 mg/kg	Non-applicable
EC: 203-576-3	Inhalation	260 mg/m <sup>3</sup>	260 mg/m <sup>3</sup>	65,3 mg/m <sup>3</sup>	65,3 mg/m <sup>3</sup>
p-xylene	Oral	Non-applicable	Non-applicable	5 mg/kg	Non-applicable
CAS: 106-42-3	Dermal	Non-applicable	Non-applicable	125 mg/kg	Non-applicable
EC: 203-396-5	Inhalation	260 mg/m <sup>3</sup>	260 mg/m <sup>3</sup>	65,3 mg/m³	65,3 mg/m <sup>3</sup>
Hydrocarbons, C9, aromatics	Oral	Non-applicable	Non-applicable	11 mg/kg	Non-applicable
CAS: 128601-23-0	Dermal	Non-applicable	Non-applicable	11 mg/kg	Non-applicable
EC: 918-668-5	Inhalation	Non-applicable	Non-applicable	32 mg/m <sup>3</sup>	Non-applicable
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 <sup>3</sup>	Non-applicable

# HARDENER FOR TOP COAT RAL COLOURS 1:2

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		Short	t exposure	Loi	ng exposure
Identification		Systemic	Local	Systemic	Local
N-butyl acetate	Oral	2 mg/kg	Non-applicable	2 mg/kg	Non-applica
CAS: 123-86-4	Dermal	6 mg/kg	Non-applicable	6 mg/kg	Non-applical
EC: 204-658-1	Inhalation	300 mg/m <sup>3</sup>	300 mg/m <sup>3</sup>	35,7 mg/m <sup>3</sup>	35,7 mg/m <sup>3</sup>
2-methoxy-1-methylethyl acetate	Oral	Non-applicable	Non-applicable	36 mg/kg	Non-applica
CAS: 108-65-6	Dermal	Non-applicable	Non-applicable	320 mg/kg	Non-applica
EC: 203-603-9	Inhalation	Non-applicable	Non-applicable	33 mg/m <sup>3</sup>	33 mg/m <sup>3</sup>
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	h water)	266701 mg/kg
	Oral	Non-applicable	Sediment (Mari	ne water)	26670 mg/kg
m-xylene	STP	1,6 mg/L	Fresh water		0,044 mg/L
CAS: 108-38-3	Soil	0,852 mg/kg	Marine water		0,004 mg/L
EC: 203-576-3	Intermittent	0,01 mg/L	Sediment (Fresh	h water)	2,52 mg/kg
	Oral	Non-applicable	Sediment (Mari	ne water)	0,252 mg/kg
p-xylene	STP	1,6 mg/L	Fresh water		0,044 mg/L
CAS: 106-42-3	Soil	0,852 mg/kg	Marine water		0,004 mg/L
EC: 203-396-5	Intermittent	0,01 mg/L	Sediment (Fresh	h water)	2,52 mg/kg
	Oral	Non-applicable	Sediment (Mari	ne water)	0,252 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	h water)	13,7 mg/kg
	Oral	0,02 g/kg	Sediment (Mari	ne water)	1,37 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	h water)	0,981 mg/kg
	Oral	Non-applicable	Sediment (Mari	ne 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	h water)	3,29 mg/kg
	Oral	Non-applicable	Sediment (Marii	ne water)	0,329 mg/kg

## 8.2 Exposure controls:

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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

Mandatory       Filter mask for gases and vapours (Filter type: A)       Image: Content in the protection protection       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.	Pictogram	PPE	Labelling	CEN Standard	Remarks
	Mandatory respiratory tract			EN 405:2002+A1:2010	contaminant inside the face mask. If the contaminant comes with warnings it is

C.- Specific protection for the hands

Version: 2 (Replaced 1)

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

# HARDENER FOR TOP COAT RAL COLOURS 1:2

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	FION 8: EXPOSURE					
	Pictogram		PPE	Labelling	CEN Standard	Remarks
	Mandatory hand protection	protective Nitrile, Brea	osable chemical gloves (Material: akthrough time: > nickness: 0.4 mm)	CAT III	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 whic the product is being used. Do not use protective creams after the product has come into contact with skin.
	As the product is total reliability an	a mixture d has ther	of several subs efore to be che	tances, the res cked prior to t	sistance of the glove mate ne application.	rial can not be calculated in advance with
	D Eye and face prot					
	Pictogram		PPE	Labelling	CEN Standard	Remarks
	Mandatory face protection		c glasses against /projections.		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					·
	Pictogram		PPE	Labelling	CEN Standard	Remarks
	Mandatory complete body protection	Mandatory complete body protectionDisposable clothing for protection against chemical risks, with antistatic and fireproof propertiesCCAT IIIEN 1149-1,2,3 EN 13034:2005+A1:200 EN ISO 13982- 1:2004/A1:2010 EN ISO 6529:2013 EN ISO 6529:2013 EN ISO 13688:2013		EN 13034:2005+A1:2009 EN ISO 13982- 1:2004/A1:2010 EN ISO 6529:2013 EN ISO 6530:2005	For professional use only. Clean periodically according to the manufacturer's instructions.	
	Mandatory foot protection	protection risk, with a resista	footwear for against chemical ntistatic and heat nt properties		EN ISO 13287:2020 EN ISO 20345:2011 EN 13832-1:2019	Replace boots at any sign of deterioration.
	F Additional emerge	ency meas	sures			
	Emergency mea	asure	St	andards	Emergency measu	ure Standards
	ANSI Z358-1 ISO 3864-1:2011, ISO 3				DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011	
	Emergency sho				Eyewash station	S
СТ	Environmental exp In accordance with the	bosure co he commu product an	<b>ntrols:</b> nity legislation d its container.	For additional i		s recommended to avoid environmental
	Environmental exp In accordance with th spillage of both the p	bosure co he commu product an AND CHE	ntrols: nity legislation d its container. MICAL PROP	For additional	on of the environment it i nformation see subsection	s recommended to avoid environmental
	Environmental exp In accordance with th spillage of both the p TION 9: PHYSICAL	AND CHE	ntrols: nity legislation d its container. MICAL PROP cal and chemi	For additional ERTIES	on of the environment it i nformation see subsection	s recommended to avoid environmental
	Environmental exp In accordance with the spillage of both the p TION 9: PHYSICAL A Information on base	AND CHE	ntrols: nity legislation d its container. MICAL PROP cal and chemi	For additional ERTIES	on of the environment it i nformation see subsection	s recommended to avoid environmental
	Environmental exp In accordance with th spillage of both the p TION 9: PHYSICAL / Information on base For complete information	AND CHE sic physic	ntrols: nity legislation d its container. MICAL PROP cal and chemi	For additional in ERTIES Cal propertie asheet.	on of the environment it i nformation see subsection s:	s recommended to avoid environmental
	Environmental exp In accordance with th spillage of both the p TION 9: PHYSICAL / Information on bas For complete informa Appearance: Physical state at 20 ° Appearance:	AND CHE sic physic	ntrols: nity legislation d its container. MICAL PROP cal and chemi	For additional ERTIES	on of the environment it i nformation see subsection s:	s recommended to avoid environmental
	Environmental exp In accordance with th spillage of both the p FION 9: PHYSICAL / Information on bas For complete informa Appearance: Physical state at 20 °	AND CHE sic physic	ntrols: nity legislation d its container. MICAL PROP cal and chemi	For additional international i	on of the environment it i nformation see subsection s:	s recommended to avoid environmental
	Environmental exp In accordance with th spillage of both the p TION 9: PHYSICAL / Information on bas For complete informa Appearance: Physical state at 20 ° Appearance:	AND CHE sic physic	ntrols: nity legislation d its container. MICAL PROP cal and chemi	For additional international i	ion of the environment it i nformation see subsection s: id id urless	s recommended to avoid environmental
	Environmental exp In accordance with th spillage of both the p FION 9: PHYSICAL / Information on bas For complete informat Appearance: Physical state at 20 ° Appearance: Colour: Odour: Odour threshold:	AND CHE sic physic	ntrols: nity legislation d its container. MICAL PROP cal and chemi	For additional i ERTIES cal propertie asheet. Liqu Fluic Colc Citri	ion of the environment it i nformation see subsection s: id id urless	s recommended to avoid environmental
	Environmental exp In accordance with th spillage of both the p TION 9: PHYSICAL / Information on bas For complete informat Appearance: Physical state at 20 ° Appearance: Colour: Odour:	AND CHE sic physic	ntrols: nity legislation d its container. MICAL PROP cal and chemi	For additional i ERTIES cal propertie asheet. Liqu Fluic Colc Citri	ion of the environment it i nformation see subsection s: id id urless c	s recommended to avoid environmental
	Environmental exp In accordance with th spillage of both the p FION 9: PHYSICAL / Information on bas For complete informat Appearance: Physical state at 20 ° Appearance: Colour: Odour: Odour threshold:	AND CHE sic physic ation see t	ntrols: nity legislation d its container. MICAL PROP cal and chemi he product data	For additional i ERTIES cal propertie asheet. Liqu Fluic Colc Citri	on of the environment it i nformation see subsection s: id urless c -applicable *	s recommended to avoid environmental
СТ	Environmental exp In accordance with th spillage of both the p TION 9: PHYSICAL / Information on bas For complete informa Appearance: Physical state at 20 ° Appearance: Colour: Odour: Odour: Odour threshold: Volatility:	AND CHE sic physic ation see t C:	ntrols: nity legislation d its container. MICAL PROP cal and chemi he product data	For additional i ERTIES cal propertie asheet. Liqu Fluic Colc Citri Non	information see subsection s: id urless c -applicable * °C	s recommended to avoid environmental

# HARDENER FOR TOP COAT RAL COLOURS 1:2

Printing	: 21/12/2022	Date of compilation: 27/05/2020	Revised: 24/05/2022	Version: 2 (Replaced 1)				
SEC	tion 9: Physic	CAL AND CHEMICAL PROPERTIES	S (continued)					
	Vapour pressure	at 50 °C:	2987,55 Pa (2,99 kPa)					
	Evaporation rate	e at 20 °C:	Non-applicable *					
	Product descri							
	Density at 20 °C	2	1 kg/m³					
	Relative density	at 20 °C:	0,948					
	Dynamic viscosit	ty at 20 °C:	3000 cP					
	Kinematic viscos	ity at 20 °C:	3163,9 mm²/s					
	Kinematic viscos	ity at 40 °C:	Non-applicable *					
	Concentration:		Non-applicable *					
	pH:		Non-applicable *					
	Vapour density a	at 20 °C:	Non-applicable *					
	Partition coefficie	ent n-octanol/water 20 °C:	Non-applicable *					
	Solubility in wate	er at 20 °C:	Non-applicable *					
	Solubility proper	ties:	Non-applicable *					
	Decomposition t	emperature:	Non-applicable *					
	Melting point/fre	eezing point:	Non-applicable *					
	Flammability:							
	Flash Point:		31 °C					
	Flammability (so	lid, gas):	Non-applicable *					
	Autoignition tem	iperature:	180 °C					
	Lower flammabil	lity limit:	Not available					
	Upper flammabil	lity limit:	Not available					
	Particle charac	cteristics:						
	Median equivale	nt diameter:	Non-applicable					
9.2	Other information:							
	Information w	ith regard to physical hazard clas	ses:					
	Explosive proper	ties:	Non-applicable *					
	Oxidising proper	ties:	Non-applicable *					
	Corrosive to met	tals:	Non-applicable *					
	Heat of combust	tion:	Non-applicable *					
	Aerosols-total pe components: Other safety cl	ercentage (by mass) of flammable	Non-applicable *					
	Surface tension		Non-applicable *					
	Refraction index		Non-applicable *					
L	*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:



# HARDENER FOR TOP COAT RAL COLOURS 1:2

SECT	TON 10: STABILITY AND	DREACTIVITY (contin	lued)		
	Applicable for handling and	storage at room tempera	ature:		
	Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
	Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable
0.5	Incompatible materials	1			
	Acids	Water	Oxidising materials	Combustible materials	Others
	Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong base
0.6	Hazardous decompositi	on products:			
	See subsection 10.3, 10.4 a complex mixtures of chemi				
FCT	TON 11: TOXICOLOGIC	I INFORMATION			
				/	
1.1	Information on hazard				
	The experimental information	on related to the toxicolo	gical properties of the proc	luct itself is not available	
	Dangerous health impli	cations:			
	In case of exposure that is adverse effects on health n A- Ingestion (acute effect)	nay result, depending on		an the recommended occ	cupational exposure limit
<ul> <li>Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, naus and vomiting.</li> <li>B- Inhalation (acute effect):         <ul> <li>Acute toxicity : Exposure in high concentration can interfere with the central nervous system causing headache, dizzir vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.</li> <li>Corrosivity/Irritability: Causes irritation in respiratory passages, which is normally reversible and limited to the upper</li> </ul> </li> </ul>					
	respiratory passages. C- Contact with the skin a	nd the eyes (acute effect)	):		
	<ul> <li>Contact with the eye classified as hazardous</li> </ul>	for this effect. For more i	a, the classification criteria nformation see section 3.	are not met, as it does r	not contain substances
	D- CMR effects (carcinoge	nicity, mutagenicity and t	oxicity to reproduction):		
	as hazardous for the ef IARC: Ethylbenzene ( - Mutagenicity: Based hazardous for this effec - Reproductive toxicity	fects mentioned. For mor 2B); m-xylene (3); p-xyle on available data, the cla t. For more information s ': Based on available data	classification criteria are no e information see section 3 ine (3); Hydrocarbons, C9, issification criteria are not r ee section 3. a, the classification criteria a nformation see section 3.	aromatics (3) net, as it does not conta	in substances classified a
	hazardous with sensitis	ing effects. For more info act with the skin can res	ult in episodes of allergic co		substances classified as
	Causes irritation in resp	iratory passages, which i	s normally reversible and li	mited to the upper respir	atory passages.
	G- Specific target organ to	xicity (STOT)-repeated ex	kposure:		
			l exposure: Based on availa lassified as dangerous due		
	section 3.		5		



# HARDENER FOR TOP COAT RAL COLOURS 1:2

: 21/12/2022 Date of compilation: 27/05/2020		Revised: 24/05/2022	Version: 2 (Replaced 1)	
ON 11: TOXI	COLOGICAL INFORMATION (contir	nued)		
H- Aspiration h	azard:			
	ailable data, the classification criteria are ct. For more information see section 3.	e not met. However, it does conta	in substances classified a	as hazard
Non-applicable				
Specific toxico	ology information on the substances	5:		
	Identification		Acute toxicity	Gei
N-butyl acetate		LD50 oral	12789 mg/kg	R
CAS: 123-86-4		LD50 dermal	14112 mg/kg	Ra
EC: 204-658-1		LC50 inhalation	23,4 mg/L (4 h)	R
Hexamethylene dii	socyanate, oligomers	LD50 oral	5100 mg/kg	R
CAS: 28182-81-2		LD50 dermal	>2000 mg/kg	
EC: 931-274-8		LC50 inhalation	11 mg/L (ATEi)	
Ethylbenzene		LD50 oral	3500 mg/kg	R
CAS: 100-41-4		LD50 dermal	15354 mg/kg	Ra
EC: 202-849-4		LC50 inhalation	17,2 mg/L (4 h)	R
2-methoxy-1-meth	ylethyl acetate	LD50 oral	8532 mg/kg	R
CAS: 108-65-6		LD50 dermal	5100 mg/kg	R
EC: 203-603-9		LC50 inhalation	30 mg/L (4 h)	R
m-xylene		LD50 oral	1590 mg/kg	Мо
CAS: 108-38-3		LD50 dermal	1100 mg/kg (ATEi)	
EC: 203-576-3		LC50 inhalation	11 mg/L (ATEi)	
p-xylene		LD50 oral	1590 mg/kg	Мо
CAS: 106-42-3		LD50 dermal	1100 mg/kg (ATEi)	
EC: 203-396-5		LC50 inhalation	11 mg/L (ATEi)	
Hydrocarbons, C9,	aromatics	LD50 oral	>2000 mg/kg	
CAS: 128601-23-0		LD50 dermal	>2000 mg/kg	
		LC50 inhalation	>20 mg/L	

# Acute Toxicity Estimate (ATE mix):

	Ingredient(s) of unknown toxicity	
Oral	5337,36 mg/kg (Calculation method)	0 %
Dermal	Dermal 3692,51 mg/kg (Calculation method)	
Inhalation		

## **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
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



Version: 2 (Replaced 1)

# HARDENER FOR TOP COAT RAL COLOURS 1:2

Revised: 24/05/2022

# Printing: 21/12/2022 Date of compilation: 27/05/2020 SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification Concentration Genus Species LC50 16 mg/L (96 h) Fish m-xylene Carassius auratus CAS: 108-38-3 EC50 9,56 mg/L (48 h) Daphnia magna Crustacean EC: 203-576-3 EC50 Non-applicable LC50 2,6 mg/L (96 h) Oncorhynchus mykiss Fish p-xylene EC50 CAS: 106-42-3 8,5 mg/L (48 h) Daphnia magna Crustacean EC: 203-396-5 EC50 Non-applicable LC50 Hydrocarbons, C9, aromatics >1 - 10 mg/L (96 h) Fish CAS: 128601-23-0 EC50 >1 - 10 mg/L (48 h) Crustacean EC50 >1 - 10 mg/L (72 h) Algae EC: 918-668-5 LC50 Ethylbenzene 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 LC50 Non-applicable N-butyl acetate EC50 Non-applicable CAS: 123-86-4 EC50 EC: 204-658-1 675 mg/L (72 h) Scenedesmus subspicatus Algae 2-methoxy-1-methylethyl acetate LC50 161 mg/L (96 h) Pimephales promelas Fish EC50 481 mg/L (48 h) CAS: 108-65-6 Daphnia sp. Crustacean EC: 203-603-9 EC50 Non-applicable

### Chronic toxicity:

Identification		Concentration	Species	Genus
m-xylene	NOEC	0,714 mg/L	Danio rerio	Fish
CAS: 108-38-3 EC: 203-576-3	NOEC	1,57 mg/L	Daphnia magna	Crustacean
p-xylene	NOEC	0,714 mg/L	Danio rerio	Fish
CAS: 106-42-3 EC: 203-396-5	NOEC	1,57 mg/L	Daphnia magna	Crustacean
Ethylbenzene	NOEC	Non-applicable		
CAS: 100-41-4 EC: 202-849-4	NOEC	0,96 mg/L	Ceriodaphnia dubia	Crustacean
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

## 12.2 Persistence and degradability:

#### Substance-specific information:

Identification	Degra	adability	Biodegradab	ility
Ethylbenzene	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 100-41-4	COD	Non-applicable	Period	14 days
EC: 202-849-4	BOD5/COD	Non-applicable	% Biodegradable	90 %
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-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 %

### 12.3 Bioaccumulative potential:

### Substance-specific information:

	Identification	Bioaccumulation potential		
m-xylene		BCF	15	
CAS: 108-38-3		Pow Log	3.2	
EC: 203-576-3		Potential	Low	
p-xylene		BCF	15	
CAS: 106-42-3		Pow Log	3.15	
EC: 203-396-5		Potential	Low	



Non-applicable

# HARDENER FOR TOP COAT RAL COLOURS 1:2

nting: 21/12/2022	Date of compilation: 27/05/20	20 Revise	ed: 24/05/2022	Version: 2 (Re	placed 1)
SECTION 12: ECO	OGICAL INFORMATION (con	tinued)			
	Identification			Bioaccur	mulation potential
Ethylbenzene			F	3CF	1
CAS: 100-41-4			F	Pow Log	3.15
EC: 202-849-4			P	Potential	Low
N-butyl acetate			E	BCF	4
CAS: 123-86-4			P	Pow Log	1.78
EC: 204-658-1			P	Potential	Low
2-methoxy-1-met	hylethyl acetate		E	3CF	1
CAS: 108-65-6			P	Pow Log	0.43
EC: 203-603-9			Potential Low		Low
2.4 Mobility in so	il:				
	Identification	Absorpt	tion/desorption		Volatility
m-xylene		Кос	182	Henry	790,34 Pa·m <sup>3</sup> /mol
CAS: 108-38-3		Conclusion	Moderate	Dry soil	Yes
EC: 203-576-3		Surface tension	2,826E-2 N/m (25 °C)	Moist soil	Yes
p-xylene		Кос	540	Henry	699,14 Pa·m <sup>3</sup> /mol
CAS: 106-42-3		Conclusion	Low	Dry soil	Yes
EC: 203-396-5		Surface tension	2,792E-2 N/m (25 °C)	Moist soil	Yes
Ethylbenzene		Кос	520	Henry	798,44 Pa·m <sup>3</sup> /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
N-butyl acetate		Кос	Non-applicable	Henry	Non-applicable

Surface tension

2,478E-2 N/m (25 °C)

Moist soil

#### 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

EC: 204-658-1

### 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

# HARDENER FOR TOP COAT RAL COLOURS 1:2

Printing: 21/12/2022	Date	of compilation: 27/05/2020	Revised: 24/05/2022	Version: 2 (Replaced 1)
SECTION 14: TRANS	PORT	INFORMATION		
Transport of da	angero	ous goods by land:		
With regard to A	DR 202	1 and RID 2021:		
		UN number or ID number:	UN1263	
		UN proper shipping name:	PAINT	
	14.3	Transport hazard class(es):	3	
		Labels:	3	
3		Packing group: Environmental hazards:	III No	
×		Special precautions for user	INO	
	14.0	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	Non-applicable	
		according to IMO		
		instruments:		
Transport of da	angero	ous goods by sea:		
With regard to IN	1DG 40	)-20:		
	14.1	UN number or ID number:	UN1263	
		UN proper shipping name:	PAINT	
Jele .	14.3	Transport hazard class(es):	3	
		Labels:	3	
		Packing group:	III	
3		Marine pollutant:	No	
•	14.0	<b>Special precautions for user</b> 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	Non-applicable	
		according to IMO		
		instruments:		
-	-	ous goods by air:		
With regard to IA				
		UN number or ID number:	UN1263	
		UN proper shipping name:	PAINT	
	14.3	Transport hazard class(es): Labels:	3 3	
3	144	Packing group:	III	
$\mathbf{\vee}$		Environmental hazards:	No	
		Special precautions for user		
		Physico-Chemical properties:	see section 9	
	14 7	Maritime transport in bulk	Non-applicable	
	1-7./	according to IMO		
		instruments:		
L				

# 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



## HARDENER FOR TOP COAT RAL COLOURS 1:2

Printing: 21/12/2022	Date of compilation: 27/05/2020	Revised: 24/05/2022	Version: 2 (Replaced 1)						
SECTION 15: REGULATORY INFORMATION (continued)									
REGULATIO	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 <b>Seveso III:</b>								
Section	Descriț	ption	Lower-tier requirements	Upper-tier requirements					
P5c	FLAMMABLE LIQUIDS		5000	50000					
Limitations etc):	to commercialisation and the use of c	ertain dangerous substar	nces and mixtures (Annex 3	XVII REACH,					

# HARDENER FOR TOP COAT RAL COLOURS 1:2

ing: 21/12/2022	Date of compilation: 27/05/2020	Revised: 24/05/2022	Version: 2 (Replaced 1)
ECTION 15: REGU	LATORY INFORMATION (continue	d)	
Shall not be use	d in:		
	ticles intended to produce light or colour	effects by means of differer	nt phases, for example in ornamental lamps
and ashtrays,			
-tricks and joke	es, e or more participants, or any article inte	ndad ta ba usad as such aw	an with arnamontal accords
			Shall not be used as substances on their own,
	in other substances or in mixtures for in		
			% by weight, or (b) the employer or self-
			training on the safe use of diisocyanates
prior to the use	of the substance(s) or mixture(s).		-
		neir own, as a constituent in	other substances or in mixtures for industrial
	l use(s) after 24 February 2022, unless:		
			% 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 se of this entry "industrial and professio		
	their own, as a constituent in other sub		
supervising the			
	eferred to in point (b) of paragraph 1 sh	all include the instructions fo	or the control of dermal and inhalation
	ocyanates at the workplace without preju		
			ucted by an expert on occupational safety
	competence acquired by relevant vocation		
	elements in point (a) of paragraph 5 for		l use(s).
	elements in points (a) and (b) of paragra		
	n mixtures at ambient temperature (inclu	iding foam tunnels)	
— application by	ventilated booth		
— application by			
	/ dipping and pouring		
	ost treatment (e.g. cutting) of not fully c	ured articles which are not w	varm anvmore
<ul> <li>cleaning and</li> </ul>			
	es with similar exposure through the der		
	elements in points (a), (b) and (c) of par		ses:
	mpletely cured articles (e.g. freshly cure	d, still warm)	
— foundry appli			
	and repair that needs access to equipme g of warm or hot formulations (> 45 °C)		
	pen air, with limited or only natural venti		working halls) and spraving with high
energy (e.g. foa		ation (includes large industry	y working hans) and spraying with high
	r uses with similar exposure through the	dermal and/or	
inhalation route			
5. Training elem	ents:		
	ing, including on-line training, on:		
<ul> <li>chemistry of</li> </ul>			
	ds (including acute toxicity)		
- exposure to a			
	exposure limit values tion can develop		
— odour as indi			
	f volatility for risk		
	perature, and molecular weight of diisoc	yanates	
— personal hygi			
	ective equipment needed, including prac	tical instructions for its corre	ct use and its limitations
	l contact and inhalation exposure		
	n to application process used		
	lation protection scheme		
<ul> <li>ventilation</li> <li>cleaning</li> </ul>	ages, maintenance		
— discarding en			
— protection of			
	of critical handling stages		
— behaviour-ba			
<ul> <li>— specific natio</li> </ul>	nal code systems (if applicable)		



# HARDENER FOR TOP COAT RAL COLOURS 1:2

Printing: 21/12/2	022 Date of compilation: 27/05/20	20 Revised: 24/05/2022	Version: 2 (Replaced 1)
SECTION 15	: REGULATORY INFORMATION (cor	ntinued)	
<ul> <li>certi</li> <li>(b) inte</li> <li>addi</li> <li>maii</li> <li>maii</li> <li>maii</li> <li>maii</li> <li>maii</li> <li>eval</li> <li>risk</li> <li>certi</li> <li>(c) adv</li> <li>any</li> <li>spra</li> <li>oper</li> <li>certi</li> <li>6. The</li> <li>Member</li> <li>(s), as</li> <li>7. The</li> <li>courses</li> <li>are sup</li> <li>and de</li> <li>8. The</li> <li>training</li> <li>9. Mem</li> <li>(a) any</li> <li>diisocy</li> <li>(b) the</li> <li>relation</li> <li>(c) nat</li> <li>(d) infe</li> <li>10. Thi</li> <li>workpl</li> </ul>	fication or documented proof that training ermediate level training, including on-line to tional behaviour-based aspects netenance agement of change uation of existing safety instructions in relation to application process used fication or documented proof that training anced training, including on-line training, or additional certification needed for the spec- ying outside a spraying booth n handling of hot or warm formulations (> fication or documented proof that training training shall comply with the provisions se er States may implement or continue to app long as the minimum requirements set out supplier referred to in point (b) of paragrap is pursuant to paragraphs 4 and 5 in the off oplied. The training shall take into consider sign. employer or self-employed shall document g shall be renewed at least every five years ber States shall include in their reports pur established training requirements and oth anates foreseen in national law number of cases of reported and recognis n to diisocyanates ional exposure limits for diisocyanates, if th prmation about enforcement activities relat s restriction shall apply without prejudice t	has been successfully completer raining, on: has been successfully completer on: cific uses covered 45 °C) has been successfully completer et by the Member State in which oly their own national requireme in paragraphs 4 and 5 are met. ph 2 shall ensure that the recipie ficial language(s) of the Member ation the specificity of the produ the successful completion of th s. rsuant to Article 117(1) the follo ther risk management measures r red occupational asthma and occu- nere are any ed to this restriction. o other Union legislation on the	d the industrial or professional user(s) operate. nts for the use of the substance(s) or mixture ent is provided with training material and State(s) where the substance(s) or mixture(s) cts supplied, including composition, packaging, e training referred to in paragraphs 4 and 5. The
assessi produc	ments in order to establish the necessary r		pasis for conducting workplace-specific risk handling, use, storage and disposal of this
	oduct could be affected by sectorial legislat	tion	
15.2 Chemi	cal safety assessment:		
The su	pplier has not carried out evaluation of che	emical safety.	
SECTION 16	: OTHER INFORMATION **		
Legisla The SE has be (COMM Modifi	ation related to safety data sheets: S shall be supplied in an official language en designed in accordance with ANNEX II-( IISSION REGULATION (EU) 2020/878). cations related to the previous Safety	Guide to the compilation of safe	t is placed on the market. This safety data sheet y data sheets of Regulation (EC) No 1907/2006 <b>the ways of managing risks.:</b>
COMM	SSION REGULATION (EU) 2020/878		

CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):

· Pictograms

· Hazard statements

### 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.
- H315: Causes skin irritation.

H412: Harmful to aquatic life with long lasting effects.

H332: Harmful if inhaled.

H226: Flammable liquid and vapour.

\*\* Changes with regards to the previous version



## HARDENER FOR TOP COAT RAL COLOURS 1:2

Printing: 21/12/2022	Date of compilation: 27/05/2020	Revised: 24/05/2022	Version: 2 (Replaced 1)
SECTION 16: OTHE	R INFORMATION ** (continued)		
The phrases ind individual comp <b>CLP Regulatio</b> Acute Tox. 4: H Acute Tox. 4: H Aquatic Chronic Asp. Tox. 1: H3 Flam. Liq. 2: H2 Flam. Liq. 2: H2 Skin Irrit. 2: H3 Skin Sens. 1: H STOT RE 2: H32 STOT SE 3: H32	Egislative phrases mentioned in sectlicated do not refer to the product itself;onents which appear in section 3n (EC) No 1272/2008:312+H332 - Harmful in contact with skir332 - Harmful if inhaled.2: H411 - Toxic to aquatic life with long04 - May be fatal if swallowed and enter225 - Highly flammable liquid and vapour.15 - Causes skin irritation.317 - May cause an allergic skin reactior73 - May cause damage to organs throug.35 - May cause drowsiness or dizziness.	they are present merely for in n or if inhaled. I lasting effects. s airways. r.	
Classification			
STOT SE 3: Calo STOT SE 3: Calo Skin Irrit. 2: Cal Aquatic Chronic Acute Tox. 4: Ca	culation method		
Advice related	I to training:		
interpretation of	nmended in order to prevent industrial r f this safety data sheet, as well as the la <b>ographical sources:</b>		t and to facilitate their comprehension and
http://echa.euro			
http://eur-lex.eu			
	and acronyms:		
IMDG: Internation IATA: Internation ICAO: Internation COD: Chemical BOD5: 5day bion BCF: Bioconcent LD50: Lethal Don LC50: Lethal Content EC50: Effective LogPOW: Octant	ose 50 ncentration 50 concentration 50 olwater partition coefficient pefficient of organic carbon	carriage of dangerous goods i	by road
IARC: Internatio	onal Agency for Research on Cancer		

### \*\* Changes with regards to the previous version

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.