

rangers 2K PROTECTIVE POLYURETHANE COATING

Printing	: 01/07/2020 Date of compilation: 20/02/2018 Revised: 09/12/2019 Version: 2 (Replaced 1)
SEC	TION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1	Product identifier: rangers 2K PROTECTIVE POLYURETHANE COATING
1.2	Relevant identified uses of the substance or mixture and uses advised against:
	Relevant uses: Car repair; paints and varnishes. For professional user/industrial user only.
	Uses advised against: All uses not specified in this section or in section 7.3
1.3	Details of the supplier of the safety data sheet:
	Troton Sp. z o.o.
	Ząbrowo 14A 78-120 Gościno - Zachodniopomorskie - Polska
	Phone.: +48 94 35 123 94 - Fax: +48 94 35 126 22
	troton@troton.com.pl www.troton.pl
1.4	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.
	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 STOT RE 2: Specific target organ toxicity if swallowed, repeated exposure, Category 2, H373
	STOT KE 2. Specific target organ toxicity, issual wear, repeated exposite, category 2, h375
2.2	Label elements:
	CLP Regulation (EC) No 1272/2008:
	Warning
	Hazard statements:
	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
	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:
	Precautionary statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
	P210. Reep away from heat, not suffaces, sparks, open names and other ignition sources. No smoking P280: Wear protective gloves/protective clothing/eye protection/face protection

P280: Wear protective gloves/protective clothing/eye protection/face protection

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

P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively

Supplementary information:

EUH208: Contains Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate, Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction

Substances that contribute to the classification

Xylene; 4-hydroxy-4-methylpentan-2-one

2.3 Other hazards:



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Printing: 01/07/2020 Date of compilation: 20/02/2018 Revised: 09/12/2019 Version: 2 (Replaced 1) SECTION 2: HAZARDS IDENTIFICATION (continued) Product fails to meet PBT/vPvB 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 Chemical name/Classification Concentration CAS: 1330-20-7 Xylene⁽¹⁾ Self-classified EC: 215-535-7 25 - <50 % Acute Tox. 4: H312+H332; 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 Index: 601-022-00-9 Regulation 1272/2008 REACH: 01-2119488216-32-XXXX 123-42-2 204-626-7 CAS: 4-hydroxy-4-methylpentan-2-one⁽¹⁾ Self-classified EC: 2,5 - <5 % Index: 603-016-00-1 Eye Irrit. 2: H319; Flam. Liq. 3: H226; STOT SE 3: H335 - Warning Regulation 1272/2008 REACH: 01-2119473975-21-XXXX CAS: 7779-90-0 ATP CLP00 trizinc bis(orthophosphate)(1) 231-944-3 EC 1 - <2,5 % Non-applicable Index: Ł Aquatic Acute 1: H400; Aquatic Chronic 1: H410 - Warning REACH: 01-2119485044-40-Regulation 1272/2008 XXXX 100-41-4 CAS: Ethylbenzene⁽²⁾ ATP ATP06 EC: 202-849-4 <1 % Index: 601-023-00-4 Acute Tox. 4: H332; Asp. Tox. 1: H304; Flam. Liq. 2: H225; STOT RE 2: H373 -() 🚯 🚷 Regulation 1272/2008 REACH: 01-2119489370-35-Dange XXXX CAS: 872-50-4 N-methyl-2-pyrrolidone⁽¹⁾ ATP ATP09 EC: 212-828-1 <1 % Index: 606-021-00-7 Eye Irrit. 2: H319; Repr. 1B: H360D; Skin Irrit. 2: H315; STOT SE 3: H335 - Danger (!) 🚷 Regulation 1272/2008 REACH: 01-2119472430-46-XXXX 41556-26-7 CAS: Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate⁽¹⁾ Self-classified 255-437-1 EC: <1 % Index: Non-applicable Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Sens. 1: H317 - Warning REACH: Non-applicable CAS: 82919-37-7 Self-classified Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate⁽¹⁾

 CAS:
 108-88-3
 Toluene(2)

 EC:
 203-625-9
 Index: 601-021-00-3
 Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Flam. Liq. 2: H225; Repr. 2: H361d; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H336 - Danger

 XXXX
 Regulation 1272/2008
 Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Flam. Liq. 2: H225; Repr. 2: H361d; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H336 - Danger

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830 ⁽²⁾ Substance with a Union workplace exposure limit

Regulation 1272/2008

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

SECTION 4: FIRST AID MEASURES

EC:

Index:

280-060-4

REACH: Non-applicable

Non-applicable

4.1 Description of first aid measures:

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

Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Sens. 1: H317 - Warning

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:**

<1 %

<1 %

<u>(!)</u>

Self-classified

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SECT	SECTION 4: FIRST AID MEASURES (continued)								
	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 conta	ct:							
	Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.								
	By ingestion,	-							
		vomiting, but if it does happen keep the and throat, as they may have been affect		n. Keep the person affected at rest. Rinse					
4.2		ant symptoms and effects, both acu	5 5						
	Acute and delayed effects are indicated in sections 2 and 11.								
4.3									
	Non-applicable								
SECT	FION 5: FIREF	IGHTING MEASURES							
5.1	Extinguishing	media							
5.1	If possible use IT IS RECOMMI	polyvalent powder fire extinguishers (AB ENDED NOT to use full jet water as an e:	xtinguishing agent.	foam or carbon dioxide extinguishers (CO2).					
5.2	Special hazar	ds arising from the substance or mi	xture:						
	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 fire	efighters:							
	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:								
1									

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:

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. Destroy 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.

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.



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ECT	ION 7: HANDL	ING AND STORAG	E						
1	Precautions fo	or safe handling:							
	A Precautions	for safe manipulation							
	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 re	commendations for th	e prevention of fir	es 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 to prevent ergonomic and toxicological risks 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 									
2	control barri	ers in case of spillage,	as well as having	absorbent material in close					
~	 Conditions for safe storage, including any incompatibilities: A Technical measures for storage 								
		5							
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								
_						Section 10.5			
3	Specific end u								
	Except for the ir product.	nstructions already spe	cified it is not neo	cessary to provide any specia	l recommendation regardi	ng the uses of this			
CT	ION 8: EXPOS	URE CONTROLS/PE	ERSONAL PROT	ECTION					
1	Control param	eters:							
	Substances whose occupational exposure limits have to be monitored in the workplace								
	Vulana	Ide	ntification	IOE	Environmental I V (8h) 50 ppm	221 mg/m ³			
	Xylene CAS: 1330-20-7	EC: 215-535-7			V (8h) 50 ppm V (STEL) 100 ppm	442 mg/m ³			
	Ethylbenzene				V (8h) 100 ppm	442 mg/m ³			
		C: 202-849-4			V (STEL) 200 ppm	884 mg/m ³			
	N-methyl-2-pyrrolido	ne			.V (8h) 10 ppm	40 mg/m ³			
	CAS: 872-50-4 E	C: 212-828-1		IOE	V (STEL) 20 ppm	80 mg/m ³			
	Toluene				V (8h) 50 ppm	192 mg/m ³			
	CAS: 108-88-3 E	C: 203-625-9		TOF	V (STEL) 100 ppm	384 mg/m ³			

	Short e	xposure	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	180 mg/kg	Non-applicable
EC: 215-535-7	Inhalation	289 mg/m ³	289 mg/m ³	77 mg/m³	Non-applicable

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Safety data sheet According to 1907/2006/EC (REACH), 2015/830/EU

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

		Short	exposure	Long exposure	
Identification	Systemic	Local	Systemic	Local	
4-hydroxy-4-methylpentan-2-one	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-42-2	Dermal	Non-applicable	Non-applicable	9,4 mg/kg	Non-applicable
EC: 204-626-7	Inhalation	Non-applicable	240 mg/m ³	66,4 mg/m ³	66,4 mg/m ³
trizinc bis(orthophosphate)	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7779-90-0	Dermal	Non-applicable	Non-applicable	83 mg/kg	Non-applicable
EC: 231-944-3	Inhalation	Non-applicable	Non-applicable	5 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
N-methyl-2-pyrrolidone	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 872-50-4	Dermal	4,8 mg/kg	Non-applicable	4,8 mg/kg	Non-applicable
EC: 212-828-1	Inhalation	14,4 mg/m ³	Non-applicable	14,4 mg/m ³	Non-applicable
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 41556-26-7	Dermal	2,5 mg/kg	Non-applicable	2,5 mg/kg	Non-applicable
EC: 255-437-1	Inhalation	2,35 mg/m ³	2,35 mg/m ³	2,35 mg/m ³	Non-applicable
Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 82919-37-7	Dermal	2,5 mg/kg	Non-applicable	2,5 mg/kg	Non-applicable
EC: 280-060-4	Inhalation	2,35 mg/m ³	2,35 mg/m ³	2,35 mg/m ³	Non-applicable
Toluene	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-88-3	Dermal	Non-applicable	Non-applicable	384 mg/kg	Non-applicable
EC: 203-625-9	Inhalation	384 mg/m ³	384 mg/m ³	192 mg/m ³	192 mg/m ³

DNEL (General population):

		Short	Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local	
Xylene	Oral	Non-applicable	Non-applicable	1,6 mg/kg	Non-applicable	
CAS: 1330-20-7	Dermal	Non-applicable	Non-applicable	108 mg/kg	Non-applicable	
EC: 215-535-7	Inhalation	Non-applicable	Non-applicable	14,8 mg/m ³	Non-applicable	
4-hydroxy-4-methylpentan-2-one	Oral	Non-applicable	Non-applicable	3,4 mg/kg	Non-applicable	
CAS: 123-42-2	Dermal	Non-applicable	Non-applicable	3,4 mg/kg	Non-applicable	
EC: 204-626-7	Inhalation	Non-applicable	120 mg/m ³	11,8 mg/m ³	11,8 mg/m ³	
trizinc bis(orthophosphate)	Oral	Non-applicable	Non-applicable	0,83 mg/kg	Non-applicable	
CAS: 7779-90-0	Dermal	Non-applicable	Non-applicable	83 mg/kg	Non-applicable	
EC: 231-944-3	Inhalation	Non-applicable	Non-applicable	2,5 mg/m ³	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 ³	Non-applicable	
N-methyl-2-pyrrolidone	Oral	26 mg/kg	Non-applicable	6,3 mg/kg	Non-applicable	
CAS: 872-50-4	Dermal	125 mg/kg	Non-applicable	11,9 mg/kg	Non-applicable	
EC: 212-828-1	Inhalation	80 mg/m ³	Non-applicable	12,5 mg/m ³	Non-applicable	
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Oral	1,25 mg/kg	Non-applicable	1,25 mg/kg	Non-applicable	
CAS: 41556-26-7	Dermal	1,25 mg/kg	Non-applicable	1,25 mg/kg	Non-applicable	
EC: 255-437-1	Inhalation	0,58 mg/m ³	0,58 mg/m ³	0,58 mg/m ³	Non-applicable	
Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Oral	1,25 mg/kg	Non-applicable	1,25 mg/kg	Non-applicable	
CAS: 82919-37-7	Dermal	1,25 mg/kg	Non-applicable	1,25 mg/kg	Non-applicable	
EC: 280-060-4	Inhalation	0,58 mg/m ³	0,58 mg/m ³	0,58 mg/m ³	Non-applicable	
Toluene	Oral	Non-applicable	Non-applicable	8,13 mg/kg	Non-applicable	
CAS: 108-88-3	Dermal	Non-applicable	Non-applicable	226 mg/kg	Non-applicable	
EC: 203-625-9	Inhalation	226 mg/m ³	226 mg/m ³	56,5 mg/m ³	56,5 mg/m ³	



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CTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)							
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			
4-hydroxy-4-methylpentan-2-one	STP	82 mg/L	Fresh water	2 mg/L			
CAS: 123-42-2	Soil	0,63 mg/kg	Marine water	0,2 mg/L			
EC: 204-626-7	Intermittent	1 mg/L	Sediment (Fresh water)	9,06 mg/kg			
	Oral	Non-applicable	Sediment (Marine water)	0,91 mg/kg			
trizinc bis(orthophosphate)	STP	0,1 mg/L	Fresh water	0,0206 mg/L			
CAS: 7779-90-0	Soil	35,6 mg/kg	Marine water	0,0061 mg/L			
EC: 231-944-3	Intermittent	Non-applicable	Sediment (Fresh water)	117,8 mg/kg			
	Oral	Non-applicable	Sediment (Marine water)	56,5 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	20 g/kg	Sediment (Marine water)	1,37 mg/kg			
N-methyl-2-pyrrolidone	STP	10 mg/L	Fresh water	0,25 mg/L			
CAS: 872-50-4	Soil	0,138 mg/kg	Marine water	0,025 mg/L			
EC: 212-828-1	Intermittent	5 mg/L	Sediment (Fresh water)	1,42 mg/kg			
	Oral	1,67 g/kg	Sediment (Marine water)	0,142 mg/kg			
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	STP	1 mg/L	Fresh water	0,0022 mg/L			
CAS: 41556-26-7	Soil	0,21 mg/kg	Marine water	0,00022 mg/			
EC: 255-437-1	Intermittent	0,009 mg/L	Sediment (Fresh water)	1,05 mg/kg			
	Oral	Non-applicable	Sediment (Marine water)	0,11 mg/kg			
Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	STP	1 mg/L	Fresh water	0,0022 mg/L			
CAS: 82919-37-7	Soil	0,21 mg/kg	Marine water	0,00022 mg/l			
EC: 280-060-4	Intermittent	0,009 mg/L	Sediment (Fresh water)	1,05 mg/kg			
	Oral	Non-applicable	Sediment (Marine water)	0,11 mg/kg			
Toluene	STP	13,61 mg/L	Fresh water	0,68 mg/L			
CAS: 108-88-3	Soil	2,89 mg/kg	Marine water	0,68 mg/L			
EC: 203-625-9	Intermittent	0,68 mg/L	Sediment (Fresh water)	16,39 mg/kg			

8.2 Exposure controls:

A.- General security and hygiene measures in the work place

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. 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

Filter mask for gases and vapours (A) CAT III EN 405:2001+A1:2009 Contaminant inside the face mask. contaminant comes with warning recommended to use isolation equi	Pictogram	PPE	Labelling	CEN Standard	Remarks
protection	Mandatory respiratory tract	5		EN 405:2001+A1:2009	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



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	N 8: FXPOSURE	CONTRO	OI S/PERSON	AL PROTECT	TON (continued)		
	CTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)							
	Pictogram PPE Labelling CEN Standard Remarks							
	Mandatory hand protection	protectiv Breakthrou	posable chemical ve gloves (NBR), ugh Time 480 min, ness 0.4 mm			N ISO 374-1:2016 EN 16523-1:2015 420:2003+A1:2009	manuf the p	The Breakthrough Time indicated by the acturer must exceed the period during whi roduct is being used. Do not use protectiv ms after the product has come into contac with skin.
D.	"As the product is a mixture of several substances, the resistance of the glove material can not be predicted in advance total reliability and has therefore to be checked prior to the application" D Ocular and facial protection							
	Pictogram		PPE	Labelling		CEN Standard		Remarks
	Mandatory face protection		ic glasses against n/projections.	CAT II	E	EN 166:2001 EN ISO 4007:2018		a daily and disinfect periodically according hanufacturer 's instructions. Use if there is risk of splashing.
E.	- Body protection	1						
	Pictogram		PPE	Labelling		CEN Standard		Remarks
	Mandatory complete body protection	protection risks, wi	ble clothing for against chemical th antistatic and pof properties		E	EN 1149-1,2,3 I3034:2005+A1:2009 EN ISO 13982- 1:2004/A1:2010 EN ISO 6529:2013 FN ISO 6530:2005 N ISO 13688:2013 EN 464:1994		r professional use only. Clean periodically ording to the manufacturer's instructions.
	Mandatory foot protection Mandatory foot				E	EN ISO 13287:2012 EN ISO 20345:2011 EN 13832-1:2019		eplace boots at any sign of deterioration.
F.	F Additional emergency measures							
	Emergency measure Standards					Emergency measure	Standards	
	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2				011			DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011
Fr			ontrols:					
In sp	Environmental exposure controls: In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D Volatile organic compounds:							
W	With regard to Directive 2010/75/EU, this product has the following characteristics:							
	V.O.C. (Supply): 34,76 % weight							
	V.O.C. density at 20 °C: 530 kg/m ³ (530 g/L)							
	Average carbon number:7,81							
	Average molecula	r weight:	107,0	1 g/mol				
∩TT∩	N 9: PHYSICAL A		-MICAL PROP	FRTIFS				
Fo	oformation on bas or complete informa				s:			
-	ppearance:	<u> </u>						
	iysical state at 20 °	C:		Liqu				
	Appearance: Viscous							
	lot relevant due to the r					Charles 1		



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SECT	TION 9: PHYSIC	AL AND CHEMICAL PROPERTIE	S (continued)	
	Colour:		Colourless	
	Odour:		Not available	
	Odour threshold:		Non-applicable *	
	Volatility:			
	Boiling point at a	tmospheric pressure:	140 °C	
	Vapour pressure	at 20 °C:	699 Pa	
	Vapour pressure	at 50 °C:	3859,41 Pa (3,86 kPa)	
	Evaporation rate	at 20 °C:	Non-applicable *	
	Product descri	ption:		
	Density at 20 °C:	:	1,3 kg/m³	
	Relative density a	at 20 ºC:	1,18	
	Dynamic viscosity	y at 20 °C:	Non-applicable *	
	Kinematic viscosi	ity at 20 ºC:	Non-applicable *	
	Kinematic viscosi	ity at 40 °C:	>20,5 cSt	
	Concentration:		Non-applicable *	
	pH:		Non-applicable *	
	Vapour density a	t 20 ºC:	Non-applicable *	
	Partition coefficie	ent n-octanol/water 20 ºC:	Non-applicable *	
	Solubility in wate	er at 20 °C:	Non-applicable *	
	Solubility propert	ties:	Non-applicable *	
	Decomposition te	emperature:	Non-applicable *	
	Melting point/free	ezing point:	Non-applicable *	
	Explosive proper	ties:	Non-applicable *	
	Oxidising propert	ties:	Non-applicable *	
	Flammability:			
	Flash Point:		27 °C	
	Flammability (sol	lid, gas):	Non-applicable *	
	Autoignition temp	perature:	346 °C	
	Lower flammabili	ity limit:	Not available	
	Upper flammabili	ity limit:	Not available	
	Explosive:			
	Lower explosive	limit:	Non-applicable *	
	Upper explosive		Non-applicable *	
9.2	Other informat			
	Surface tension a		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 conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:



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SECT	ION 10: STABILITY AN	ID REACTIVITY (contin	ued)						
10.4	Conditions to avoid:	Jnder the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected. 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 material	S:							
	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 decomposit	-							
		and 10.5 to find out the split and substances can be rele							
SECT	ION 11: TOXICOLOGIO	CAL INFORMATION							
11.1	Information on toxicol	ogical effects:							
	The experimental information	tion related to the toxicolog	gical properties of the pro	duct itself is not available					
	Dangerous health imp	ications:							
	In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure: A- Ingestion (acute effect):								
	 Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for consumption. For more information see section 3. Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting. B- Inhalation (acute effect): 								
	 Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for inhalation. For more information see section 3. Corrosivity/Irritability: Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages. 								
		and the eyes (acute effect)							
		in: Produces skin inflamma ves: Produces eye damage							
	D- CMR effects (carcinog	enicity, mutagenicity and to	oxicity to reproduction):						
	 Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3. IARC: Xylene (3); Ethylbenzene (2B); Toluene (3) Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3. Reproductive toxicity: Based on available data, the classification criteria are not met. However, it does contain substances classified as classified as dangerous for this effect. For more information see section 3. Reproductive toxicity: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3. Reproductive toxicity: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3. E- Sensitizing effects: 								
	dangerous with sensit - Cutaneous: Based dangerous with sensit	on available data, the class ising effects. For more infor on available data, the class ising effects. For more infor oxicity (STOT) - single exp	rmation see section 3. ification criteria are not marmation see section 3.						
		piratory passages, which is		imited to the upper respira	atory passages.				
			-						
	G- Specific target organ t	oxicity (STOT)-repeated ex	posule.						



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SECTION 11: TOXICOLOGICAL INFORMATION (continued)							
 Specific target organ toxicity (STOT)-repeated exposure: Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness. 							

- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity	/ Genus
Xylene	LD50 oral 2100 m	g/kg Rat
CAS: 1330-20-7	LD50 dermal 1100 m	g/kg (ATEi) Rat
EC: 215-535-7	LC50 inhalation 11 mg/L	_ (4 h) (ATEi)
4-hydroxy-4-methylpentan-2-one	LD50 oral 4000 m	g/kg Rat
CAS: 123-42-2	LD50 dermal 13630 m	ng/kg Rabbit
EC: 204-626-7	LC50 inhalation >20 mg	/L (4 h)
trizinc bis(orthophosphate)	LD50 oral >2000 r	ng/kg
CAS: 7779-90-0	LD50 dermal >2000 r	mg/kg
EC: 231-944-3	LC50 inhalation >5 mg/	L (4 h)
Ethylbenzene	LD50 oral 3500 m	g/kg Rat
CAS: 100-41-4	LD50 dermal 15354 n	ng/kg Rabbit
EC: 202-849-4	LC50 inhalation 17,2 mg	ı/L (4 h) Rat
N-methyl-2-pyrrolidone	LD50 oral 3598 m	g/kg Rat
CAS: 872-50-4	LD50 dermal 7000 m	g/kg Rat
EC: 212-828-1	LC50 inhalation >20 mg	/L
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	LD50 oral 2615 m	g/kg Rat
CAS: 41556-26-7	LD50 dermal >2000 r	mg/kg
EC: 255-437-1	LC50 inhalation >20 mg	/L
Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	LD50 oral >2000 r	mg/kg
CAS: 82919-37-7	LD50 dermal >2000 r	ng/kg
EC: 280-060-4	LC50 inhalation >5 mg/	L
Toluene	LD50 oral 5580 m	g/kg Rat
CAS: 108-88-3	LD50 dermal 12124 n	ng/kg Rat
EC: 203-625-9	LC50 inhalation 28,1 mg	J/L (4 h) Rat

SECTION 12: ECOLOGICAL INFORMATION

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

12.1 Toxicity:

Identification		Acute toxicity	Species	Genus	
Xylene	LC50	13.5 mg/L (96 h)	Oncorhynchus mykiss	Fish	
CAS: 1330-20-7	EC50	3.4 mg/L (48 h)	Ceriodaphnia dubia	Crustacean	
EC: 215-535-7	EC50	10 mg/L (72 h)	Skeletonema costatum	Algae	
4-hydroxy-4-methylpentan-2-one	LC50	420 mg/L (96 h)	Lepomis macrochirus	Fish	
CAS: 123-42-2	EC50	9016 mg/L (24 h)	Daphnia magna	Crustacean	
EC: 204-626-7	EC50	Non-applicable			
trizinc bis(orthophosphate)	LC50	0.1 - 1 mg/L (96 h)		Fish	
CAS: 7779-90-0	EC50	0.1 - 1 mg/L		Crustacean	
EC: 231-944-3	EC50	0.1 - 1 mg/L		Algae	



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	2: ECOLOGICAL INFORMATION (co	ontinued)				
	2. ECOLOGICAL INFORMATION (CO	fillinueu)				
	Identification		Acute toxicity		Species	Genus
Ethylbe	enzene	LC50	42.3 mg/L (96 h)	Pi	mephales promelas	s Fish
CAS: 10	00-41-4	EC50	75 mg/L (48 h)		Daphnia magna	Crustacea
EC: 202	2-849-4	EC50	63 mg/L (3 h)		Chlorella vulgaris	Algae
N-meth	hyl-2-pyrrolidone	LC50	832 mg/L (96 h)	Le	pomis macrochirus	s Fish
CAS: 87	572-50-4	EC50	4897 mg/L (48 h)		Daphnia magna	Crustacea
EC: 212	2-828-1	EC50	500 mg/L (72 h)	Scen	edesmus subspica	itus Algae
Bis(1,2,	2,2,6,6-pentamethyl-4-piperidyl) sebacate	LC50	0.97 mg/L (96 h)	Le	pomis macrochirus	s Fish
CAS: 41	1556-26-7	EC50	20 mg/L (24 h)		Daphnia magna	Crustacea
EC: 255	5-437-1	EC50	Non-applicable			
Methyl	1,2,2,6,6-pentamethyl-4-piperidyl sebacate	LC50	0.1 - 1 mg/L (96 h)			Fish
CAS: 82	2919-37-7	EC50	0.1 - 1 mg/L			Crustacea
EC: 280	0-060-4	EC50	0.1 - 1 mg/L			Algae
Toluene	le	LC50	13 mg/L (96 h)		Carassius auratus	Fish
CAS: 10	08-88-3	EC50	11.5 mg/L (48 h)		Daphnia magna	Crustacea
EC: 203	3-625-9	EC50	125 mg/L (48 h)	Scen	edesmus subspica	atus Algae
2 Persis	stence and degradability:					
	Identification		Degradability		Biodegradabi	ility
Xylene		BOD5	Non-applicable	Concentration		Non-applicable
	330-20-7	COD	Non-applicable	Period		28 days
EC: 215	5-535-7	BOD5/COD	Non-applicable	% Biodegradal	ole	88 %
4-hvdrc	oxy-4-methylpentan-2-one	BOD5	Non-applicable	Concentration		100 mg/L
,	23-42-2	COD	Non-applicable	Period		14 days
EC: 204	4-626-7	BOD5/COD	Non-applicable	% Biodegradal	ble	90 %
Ethylbe	enzene	BOD5	Non-applicable	Concentration		100 mg/L
CAS: 10	00-41-4	COD	Non-applicable	Period		14 days
EC: 202	2-849-4	BOD5/COD	Non-applicable	% Biodegradal	ole	90 %
N-meth	hyl-2-pyrrolidone	BOD5	1.09 g O2/g	Concentration		100 mg/L
CAS: 87	72-50-4	COD	1.6 g O2/g	Period		28 days
EC: 212	2-828-1	BOD5/COD	0.68	% Biodegradal	ble	73 %
Toluene	e	BOD5	2.5 g O2/g	Concentration		100 mg/L
CAS: 10	08-88-3	COD	Non-applicable	Period		14 days
EC: 203	3-625-9	BOD5/COD	Non-applicable	% Biodegradal	ble	100 %
3 Bioaco	cumulative potential:					
	Identification	n			Bioaccumulation	n potential
Xylene				BCF	9	
	330-20-7			Pow Log	2.77	
EC: 215	5-535-7			Potential	Low	
4-hydro	oxy-4-methylpentan-2-one			BCF	0.5	
	23-42-2			Pow Log	-0.34	
EC: 204	4-626-7			Potential	Low	
Ethylbe	enzene			BCF	1	
,	00-41-4			Pow Log	3.15	
CAS: IC	2-849-4			Potential	Low	
	hyl-2-pyrrolidone			BCF	0.23	
EC: 202				Pow Log	-0.46	
EC: 202 N-meth	.72-50-4				1	
EC: 202 N-meth CAS: 87	, ,,			Potential	Low	
EC: 202 N-meth CAS: 87	72-50-4 2-828-1			Potential BCF	13	
EC: 202 N-meth CAS: 87 EC: 212 Toluene	72-50-4 2-828-1			-		



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SECTION 12: ECOLO	OGICAL INFORMATION (cont	tinued)			
	Identification	Absorpt	tion/desorption	Volati	ility
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
4-hydroxy-4-methyl	Ipentan-2-one	Кос	Non-applicable	Henry	Non-applicable
CAS: 123-42-2		Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-626-7		Surface tension	2,963E-2 N/m (25 °C)	Moist soil	Non-applicable
Ethylbenzene		Кос	520	Henry	798,44 Pa·m ³ /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-methyl-2-pyrrolid	lone	Кос	Non-applicable	Henry	Non-applicable
CAS: 872-50-4		Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 212-828-1		Surface tension	4,007E-2 N/m (25 °C)	Moist soil	Non-applicable
Toluene		Кос	178	Henry	672,8 Pa·m³/mol
CAS: 108-88-3		Conclusion	Moderate	Dry soil	Yes
EC: 203-625-9		Surface tension	2,793E-2 N/m (25 °C)	Moist soil	Yes

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Other adverse effects:

Not described

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
08 01 11* waste paint and varnish containing organic solvents or other hazardous substances 15 01 10* 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, 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. We do not recommended disposal down the drain. 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 2019 and RID 2019:



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SECTION 14: TRANS	PORT	INFORMATION (continued)		
3	14.2 14.3 14.4 14.5 14.6	UN number: UN proper shipping name: Transport hazard class(es): Labels: Packing group: Environmental hazards: Special precautions for user Special regulations: Tunnel restriction code: Physico-Chemical properties: Limited quantities: Transport in bulk according to Annex II of Marpol and the IBC Code:	UN1263 PAINT 3 3 III No 163, 367, 650 D/E see section 9 5 L Non-applicable	
Transport of da	angero	ous goods by sea:		
With regard to IN	MDG 38	-16:		
	14.1	UN number:	UN1263	
		UN proper shipping name:	PAINT	
, de	14.3	Transport hazard class(es):	3	
		Labels:	3	
		Packing group:	III	
3	-	Environmental hazards:	No	
•	14.6	Special precautions for user		
		Special regulations:	163, 223, 367, 955	
		EmS Codes:	F-E, S-E	
		Physico-Chemical properties: Limited quantities:	see section 9 5 L	
		Segregation group:	Non-applicable	
	14.7	Transport in bulk according	Non-applicable	
		to Annex II of Marpol and the IBC Code:		
Transport of da	angero	us goods by air:		
With regard to IA	ATA/ICA	AO 2020:		
	14.1	UN number:	UN1263	
Street State	14.2	UN proper shipping name:	PAINT	
		Transport hazard class(es):	3	
		Labels:	3	
3		Packing group:	III	
		Environmental hazards:	No	
	14.6	Special precautions for user Physico-Chemical properties:	see section 9	
	14.7	Transport in bulk according to Annex II of Marpol and the IBC Code:	Non-applicable	

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): N-methyl-2-pyrrolidone

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



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Printing: 01/07/2020 Date of compilation: 20/02/2018 Revised: 09/12/2019 Version: 2 (Replaced 1) SECTION 15: REGULATORY INFORMATION (continued) Seveso III: Lower-tier Upper-tier Section Description requirements requirements P5c 5000 50000 Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc): Contains N-methyl-2-pyrrolidone. 1. | Shall not be placed on the market as a substance on its own or in mixtures in a concentration equal to or greater than 0,3 % after 9 May 2020 unless manufacturers, importers and downstream users have included in the relevant chemical safety reports and safety data sheets, Derived No-Effect Levels (DNELs) relating to exposure of workers of 14,4 mg/m3 for exposure by inhalation and 4,8 mg/kg/day for dermal exposure. | 2. | Shall not be manufactured, or used, as a substance on its own or in mixtures in a concentration equal to or greater than 0,3 % after 9 May 2020 unless manufacturers and downstream users take the appropriate risk management measures and provide the appropriate operational conditions to ensure that exposure of workers is below the DNELs specified in paragraph 1. | 3. | By way of derogation from paragraphs 1 and 2, the obligations laid down therein shall apply from 9 May 2024 in relation to placing on the market for use, or use, as a solvent or reactant in the process of coating wires. Specific provisions in terms of protecting people or the environment: It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product. Other legislation: The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (Regulation (EC) No 2015/830)

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.: Non-applicable

Texts of the legislative phrases mentioned in section 2:

H315: Causes skin irritation

H335: May cause respiratory irritation

- H373: May cause damage to organs through prolonged or repeated exposure (Oral)
- H412: Harmful to aquatic life with long lasting effects

H226: Flammable liquid and vapour

H319: Causes serious eye irritation

Texts of the legislative phrases mentioned in section 3:

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

CLP Regulation (EC) No 1272/2008:

Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled

Acute Tox. 4: H332 - Harmful if inhaled Aquatic Acute 1: H400 - Very toxic to aquatic life Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways Eye Irrit. 2: H319 - Causes serious eye irritation Flam. Liq. 2: H225 - Highly flammable liquid and vapour Flam. Lig. 3: H226 - Flammable liquid and vapour Repr. 1B: H360D - May damage the unborn child. Repr. 2: H361d - Suspected of damaging the unborn child. 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 STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral) STOT SE 3: H335 - May cause respiratory irritation STOT SE 3: H336 - May cause drowsiness or dizziness



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SECTION 16: OTHE	ER INFORMATION (continued)		
STOT SE 3: Cal STOT RE 2: Cal Aquatic Chronic Flam. Liq. 3: Ca Eye Irrit. 2: Cal Advice related Minimal training comprehension Principal bibli	Iculation method culation method culation method : 3: Calculation method alculation method (2.6.4.3) culation method d to training: g is recommended in order to prevent ind and interpretation of this safety data she tographical sources:	5	1
http://echa.eum http://eur-lex.e Abbreviations			
ADR: European IMDG: Internati IATA: Internatic ICAO: Internatic COD: Chemical BOD5: 5-day bi BCF: Bioconcen LD50: Lethal Do LC50: Lethal Co EC50: Effective Log-POW: Octa	agreement concerning the international of ional maritime dangerous goods code onal Air Transport Association onal Civil Aviation Organisation Oxygen Demand ochemical oxygen demand tration factor ose 50	carriage of dangerous goods	by road

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.