

# AQUIMAX HARDENER

## HEALTH AND SAFETY DATA SHEET

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

Date of compilation: 07/06/2017


Revised Date: 27/09/2023

Version: 6

### 1. PRODUCT AND COMPANY IDENTIFICATION

1.1	Product Code	Aquimax Hardener AQM190203
	Other means of identification	Non-applicable
1.2	Relevant identified uses of the substance or mixture and uses advised against	Relevant uses: Coatings for Wood. For industrial use only Uses advised against: All uses not specified in this section or in section 7.3
1.3	Name, Address, Telephone Number of the chemical manufacturer	Ultrimax Coatings Ltd Shaw Lane Industrial Estate, Ogden Road, Doncaster, DN2 4SE 01302 856666
1.4	Emergency phone number	01302 856666

### 2. HAZARD(S) IDENTIFICATION

2.1	Classification of the substance or mixture	<p>Classification of this product has been carried out in accordance with CLP Regulation(EC) No 1272/2008.</p> <p>Acute Tox. 4: Acute inhalation toxicity, Category4, H332</p> <p>Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412</p> <p>Eye Dam. 1: Serious eye damage, Category 1, H318</p> <p>Skin Irrit. 2: Skin irritation, Category 2, H315</p> <p>Skin Sens. 1: Sensitisation, skin, Category 1, H317</p> <p>STOT SE 3: Respiratory tract toxicity, single exposure, Category 3, H335</p>
	CLP Regulation (EC) No 1272/2008	
2.2	Label elements	
	CLP Regulation (EC) No 1272/2008	
	Hazard Statements	<p>Harmful if inhaled.</p> <p>Harmful to aquatic life with long lasting effects.</p> <p>Causes serious eye damage.</p> <p>Causes skin irritation.</p> <p>May cause an allergic skin reaction.</p> <p>May cause respiratory irritation.</p>
Precautionary statements	<p>Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear. IF ON SKIN: Wash with plenty of water.</p> <p>IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store in a well-ventilated place. Keep container tightly closed.</p> <p>Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.</p>	

(1) Substance with a Union workplace exposure limit

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

# AQUIMAX HARDENER

## HEALTH AND SAFETY DATA SHEET

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

Date of compilation: 07/06/2017

Revised Date: 27/09/2023

Version: 6

2.2	Supplementary information	Contains isocyanates. May produce an allergic reaction.
	Substances that contribute to the classification	Hexamethylene diisocyanate, oligomers (<0.1 % O=C=N-R-N=C=O); 3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers; Tridecyl alcohol, ethoxylated, phosphated (6 mol EO); Cyclohexyldimethylamine
	Additional Labelling	As from 24 August 2023 adequate training is required before industrial or professional use.
2.3	Other Hazards	Product does not meet PBT/vPvB criteria Endocrine-disrupting properties: The product does not meet the criteria.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1	Substances	Not applicable (N/A)		
	Mixtures	Polyisocyanate		
	Chemical description	In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:		
3.2	Components	<b>Identification</b>	<b>Chemical name/Classification</b>	<b>Concentration</b>
		CAS: 28182-81-2 EC: 931-274-8 Index: Non-applicable REACH: 01-2119485796-17- XXXX	Hexamethylene diisocyanate, oligomers (<0.1 % O=C=N-R-N=C=O) <sup>(1)</sup> Self-classified Regulation 1272/2008 Acute Tox. 4: H332; Skin Sens. 1: H317; STOT SE 3: H335 - Warning	25 - <50 %
		CAS: 53880-05-0 EC: 500-125-5 Index: Non-applicable REACH: Non-applicable	3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers <sup>(1)</sup> Self-classified Regulation 1272/2008 Skin Sens. 1: H317 - Warning	10 - <25 %
		CAS: 9046-01-9 EC: Non-applicable Index: Non-applicable REACH: Non-applicable	Tridecyl alcohol, ethoxylated, phosphated (6 mol EO) <sup>(1)</sup> Self-classified Regulation 1272/2008 Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Irrit. 2: H315 - Danger	5 - <10 %
		CAS: 98-94-2 EC: 202-715-5 Index: Non-applicable REACH: 01-2119533030-60- XXXX	Cyclohexyldimethylamine <sup>(1)</sup> Self-classified Regulation 1272/2008 Acute Tox. 3: H301+H311+H331; Aquatic Chronic 3: H412; Flam. Liq. 3: H226; Skin Corr. 1B: H314 - Danger	1 - <2,5 %

(1) Substance with a Union workplace exposure limit

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

# AQUIMAX HARDENER

## HEALTH AND SAFETY DATA SHEET

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

Date of compilation: 07/06/2017

Revised Date: 27/09/2023

Version: 6

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

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

		Identification	Specific concentration limit
3.2	Other information	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate CAS: 4098-71-9 EC: 223-861-6	% (w/w) >=0,5: Resp. Sens. 1 - H334 % (w/w) >=0,5: Skin Sens. 1 - H317
		Hexamethylene-di-isocyanate CAS: 822-06-0 EC: 212-485-8	% (w/w) >=0,5: Resp. Sens. 1 - H334 % (w/w) >=0,5: Skin Sens. 1 - H317

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

(1) Substance with a Union workplace exposure limit

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

# AQUIMAX HARDENER

## HEALTH AND SAFETY DATA SHEET

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

Date of compilation: 07/06/2017

Revised Date: 27/09/2023

Version: 6

### 3. COMPOSITION/INFORMATION ON INGREDIENTS CONTINUED

Identification	Acute Toxicity		Genus
Cyclohexyldimethylamine CAS: 98-94-2 EC: 202-715-5	LD50 oral	Non-applicable	
	LD50 dermal	Non-applicable	
	LC50 inhalation	3 mg/L (ATEi)	
Hexamethylenediisocyanate, oligomers (<0.1% O=C=N-R-N=C=O) CAS: 28182-81-2 EC: 931-274-8	LD50 oral	Non-applicable	
	LD50 dermal	Non-applicable	
	LC50 inhalation	11 mg/L (ATEi)	
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate CAS: 4098-71-9 EC: 223-861-6	LD50 oral	Non-applicable	
	LD50 dermal	Non-applicable	
	LC50 inhalation	3 mg/L (ATEi)	

(1) Substance with a Union workplace exposure limit

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

# AQUIMAX HARDENER

## HEALTH AND SAFETY DATA SHEET

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

Date of compilation: 07/06/2017

Revised Date: 27/09/2023

Version: 6

### 4. FIRST-AID MEASURES

4.1	Description of first aid measures	The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.
	By inhalation	Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.
	By skin contact	Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.
	By eye contact	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 / aspiration	Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.
4.2	Most important symptoms / effects, acute and delayed	Acute and delayed effects are indicated in sections 2 and 11
4.3	Indication of immediate medical attention and special treatment needed, if necessary	Not applicable (N/A)

### 5. FIRE-FIGHTING MEASURES

5.1	Extinguishing media	Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.
	Suitable extinguishing media	
	Unsuitable extinguishing media	
5.2	Specific hazards arising from the chemical	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.

# AQUIMAX HARDENER

## HEALTH AND SAFETY DATA SHEET

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

Date of compilation: 07/06/2017

Revised Date: 27/09/2023

Version: 6

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.

## 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. 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 non-emergency personnel	
	For emergency responders	Wear protective equipment. Keep unprotected persons away. See section 8.
6.2	Environmental precautions	Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.
6.3	Methods and materials 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.

# AQUIMAX HARDENER

## HEALTH AND SAFETY DATA SHEET

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

Date of compilation: 07/06/2017

Revised Date: 27/09/2023

Version: 6

## 7. HANDLING AND STORAGE

7.1	Precautions for safe handling	A	<p>General Precautions for safe use</p> <p>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.</p>
		B	<p>Technical recommendations for the prevention of fires and explosions</p> <p>Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. Consult section 10 for conditions and materials that should be avoided.</p>
		C	<p>Technical recommendations on general occupational hygiene</p> <p>Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.</p>
		D	<p>Technical recommendations to prevent environmental risks</p> <p>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.</p>
7.2	Conditions for safe storage, including any incompatibilities	A	<p>Technical measures for storage</p> <p>Minimum Temp: 5°C</p>
		B	<p>General conditions for storage</p> <p>Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5</p>
7.3	Specific end use(s)		<p>Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.</p>

# AQUIMAX HARDENER

## HEALTH AND SAFETY DATA SHEET

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

Date of compilation: 07/06/2017

Revised Date: 27/09/2023

Version: 6

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1	Control Parameters	Substances whose occupational exposure limits have to be monitored in the workplace(European OEL, not country-specific legislation): There are no applicable occupational exposure limits for the substances contained in the product					
	DNEL (Workers)		Short exposure		Long Exposure		
		Identification	Systemic	Local	Systemic	Local	
		Hexamethylene diisocyanate, oligomers (<0.1 % O=C=N- R-N=C=O) CAS: 28182-81-2 EC: 931-274-8	Oral	Non-applicable	Non-applicable	Non-applicable	
			Dermal	Non-applicable	Non-applicable	Non-applicable	
			Inhalation	Non-applicable	1mg/m <sup>3</sup>	Non-applicable	0,5mg/m <sup>3</sup>
		Cyclohexyldimethylamine CAS: 98-94-2 EC: 202-715-5	Oral	Non-applicable	Non-applicable	Non-applicable	
			Dermal	Non-applicable	Non-applicable	0,6vmg/kg	Non-applicable
			Inhalation	Non-applicable	8,3 mg/m <sup>3</sup>	0,53mg/m <sup>3</sup>	8,3 mg/m <sup>3</sup>
		3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate CAS: 4098-71-9 EC: 223-861-6	Oral	Non-applicable	Non-applicable	Non-applicable	
			Dermal	Non-applicable	Non-applicable	Non-applicable	
			Inhalation	Non-applicable	0,045 mg/m <sup>3</sup>	Non-applicable	0,045 mg/m <sup>3</sup>
		Hexamethylene-di-isocyanate CAS: 822-06-0 EC: 212-485-8	Oral	Non-applicable	Non-applicable	Non-applicable	
			Dermal	Non-applicable	Non-applicable	Non-applicable	
			Inhalation	Non-applicable	0,07 mg/m <sup>3</sup>	Non-applicable	0,035 mg/m <sup>3</sup>
	DNEL (General population):	Non-applicable					



# AQUIMAX HARDENER

## HEALTH AND SAFETY DATA SHEET

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

Date of compilation: 07/06/2017

Revised Date: 27/09/2023

Version: 6

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1	PNEC	Identification			
		STP	88 MG/L	Fresh Water	0,127 mg/L
	Hexamethylene diisocyanate, oligomers (<0.1 % O=C=N- R-N=C=O) CAS: 28182-81-2 EC: 931-274-8	Soil	53183 mg/kg	Marine water	0,013 mg/L
		Intermittent	1,27 mg/kg	Sediment (Fresh water)	266701 mg/kg
		Oral	Non-applicable	Sediment (Marine water)	26670 mg/kg
		STP	20,6 mg/L	Fresh water	0,002 mg/L
	Cyclohexyldimethylamine CAS: 98-94-2 EC: 202-715-5	Soil	0,003 mg/kg	Marine water	0 mg/L
		Intermittent	0,02 mg/L	Sediment (Fresh water)	0,021 mg/L
		Oral	Non-applicable	Sediment (Marine water)	0,002 mg/kg
		STP	10,6 mg/L	Fresh Water	0,027 mg/L
	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate CAS: 4098-71-9 EC: 223-861-6	Soil	19,8 mg/kg	Marine water	0 mg/L
		Intermittent	0,27 mg/L	Sediment (Fresh water)	98,51 mg/kg
		Oral	No-applicable	Sediment (Marine water)	1,46 mg/kg
		STP	8,42 mg/L	Fresh water	Non-applicable
Hexamethylene-di-isocyanate CAS: 822-06-0 EC: 212-485-8	Soil	Non-applicable	Marine water	Non-applicable	
	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable	
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable	
	STP	88 MG/L	Fresh Water	0,127 mg/L	

# AQUIMAX HARDENER

## HEALTH AND SAFETY DATA SHEET











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

Date of compilation: 07/06/2017

Revised Date: 27/09/2023

Version: 6

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.2	Exposure controls	A Individual protection measures, such as personal protective equipment	As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained here in 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 respiratory tract protection	Filter mask for gases, vapours and particles	 EN 405:2002+A1:2010	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment
		C Specific protection for the hands	 Mandatory hand protection	Chemical protective gloves (material: nitrile, breakthrough time: > 480 min, Thickness: 0.4 mm)	 EN ISO 21420:2020	EN ISO 21420:2020	EN ISO 21420:2020.
		D Eye and face protection	 Mandatory face protection	Panoramic glasses against splash/projections	 EN 149:2001+A1:2009 EN 405:2022+A1:2010 EN ISO 136:1998	EN 149:2001+A1:2009 EN 405:2022+A1:2010 EN ISO 136:1998	Replace when an increase in resistance to breathing is observed and/or a smell or taste of the contaminant is detected.
		E Body protection	 Mandatory complete body protection	Work clothing	 CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
			 Mandatory foot protection		 CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012y EN 13832-1:2007

# AQUIMAX HARDENER

## HEALTH AND SAFETY DATA SHEET

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

Date of compilation: 07/06/2017

Revised Date: 27/09/2023

Version: 6

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

	Emergency measure	Standards	Emergency measure	Standards
	Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011
8.2	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	With regard to Directive 2010/75/EU, this product has the following characteristics: V.O.C. (Supply): 1 % weight V.O.C. density at 25 °C: 11,08 kg/m <sup>3</sup> (11,08g/L) Average carbon number: 8 Average molecular weight: 127,2 g/mol		

# AQUIMAX HARDENER

## HEALTH AND SAFETY DATA SHEET

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

Date of compilation: 07/06/2017

Revised Date: 27/09/2023

Version: 6

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties		For complete information see the product datasheet	
9.1	Appearance	Physical state at 20°C	Liquid
		Appearance	N/A
		Colour	N/A
		Odour	N/A
		Odour Threshold	N/A*
	Volatility	Boiling point at atmospheric pressure	195°C
		Vapour pressure at 25°C	165 Pa
		Vapour pressure at 50°C	822,58 Pa (0.82 kPa)
		Evaporation rate at 25°C	N/A*
	Product description	Density at 25°C	1108,1 kg/m <sup>3</sup>
		Relative density at 25°C	1,108
		Dynamic viscosity at 25°C	200 cP
		Kinematic viscosity at 25°C	N/A*
		Kinematic viscosity at 40°C	N/A*
		Concentration	N/A*
		pH	N/A*
		Vapour density at 25 °C	N/A*
		Partition coefficient n-octanol/water 25 °C	N/A*
		Solubility in water at 25 °C	N/A*
		Solubility properties	N/A*
Decomposition temperature		N/A*	
Melting point/freezing point		N/A*	
Flammability	Flash point	Non flammable (>60°C)	
	Flammability (solid, gas)	N/A*	
	Autoignition temperature	430°C	
	Lower flammability limit	N/A*	
	Upper flammability limit	N/A*	
Particle characteristics	Median equivalent diameter	N/A	
9.2	Other information Information with regard to physical hazard classes	Explosive properties	N/A*
		Oxidising properties	N/A*
		Corrosive to metals	N/A*
		Heat of combustion	N/A*
		Aerosols-total percentage (by mass) of flammable components	N/A
	Other safety characteristics	Surface tension at 25°C	N/A*
Refraction index		N/A*	

\*Not relevant due to the nature of the product, not providing information of it's hazards

# AQUIMAX HARDENER

## HEALTH AND SAFETY DATA SHEET

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

Date of compilation: 07/06/2017

Revised Date: 27/09/2023

Version: 6

### 10. STABILITY AND REACTIVITY

Information on basic physical and chemical properties:

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

10.1	Reactivity	No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.										
10.2	Chemical stability	Chemically stable under the indicated conditions of storage, handling and use										
10.3	Possibility of hazardous reactions	Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected										
10.4	Conditions to avoid	Applicable for handling an storage at room temperature: <table border="1"><tr><td>Shock and friction</td><td>N/A</td></tr><tr><td>Contact with air</td><td>N/A</td></tr><tr><td>Increase in temperature</td><td>Precaution</td></tr><tr><td>Sunlight</td><td>Precaution</td></tr><tr><td>Humidity</td><td>N/A</td></tr></table>	Shock and friction	N/A	Contact with air	N/A	Increase in temperature	Precaution	Sunlight	Precaution	Humidity	N/A
Shock and friction	N/A											
Contact with air	N/A											
Increase in temperature	Precaution											
Sunlight	Precaution											
Humidity	N/A											
10.5	Incompatible materials	<table border="1"><tr><td>Acids</td><td>Avoid strong acids</td></tr><tr><td>Water</td><td>N/A</td></tr><tr><td>Oxidising materials</td><td>Avoid direct impact</td></tr><tr><td>Combustible materials</td><td>N/A</td></tr><tr><td>Others</td><td>Avoid alkalis or strong bases</td></tr></table>	Acids	Avoid strong acids	Water	N/A	Oxidising materials	Avoid direct impact	Combustible materials	N/A	Others	Avoid alkalis or strong bases
Acids	Avoid strong acids											
Water	N/A											
Oxidising materials	Avoid direct impact											
Combustible materials	N/A											
Others	Avoid alkalis or strong bases											
10.6	Hazardous decomposition products	See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO <sub>2</sub> ), carbon monoxide and other organic compounds.										

### 11. TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	The experimental information related to the toxicological properties of the product itself is not available.
	Dangerous health implications	In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

# AQUIMAX HARDENER

## HEALTH AND SAFETY DATA SHEET

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

Date of compilation: 07/06/2017

Revised Date: 27/09/2023

Version: 6

### 11. TOXICOLOGICAL INFORMATION

11.1	Dangerous health implications	<p style="text-align: center;">Ingestion (acute effect):</p> <ul style="list-style-type: none"> <li>Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.</li> <li>Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.</li> </ul>
		<p style="text-align: center;">Inhalation (acute effect):</p> <ul style="list-style-type: none"> <li>Acute toxicity: Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.</li> <li>Corrosivity/Irritability: Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.</li> </ul>
		<p style="text-align: center;">Contact with the skin and the eyes (acute effect):</p> <ul style="list-style-type: none"> <li>Contact with the skin: Produces skin inflammation.</li> <li>Contact with the eyes: Produces serious eye damage after contact.</li> </ul>
		<p style="text-align: center;">CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):</p> <ul style="list-style-type: none"> <li>Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.</li> <li>Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.</li> <li>Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.</li> </ul>
		<p style="text-align: center;">Sensitizing effects</p> <ul style="list-style-type: none"> <li>Respiratory: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.</li> <li>Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.</li> </ul>
		<p style="text-align: center;">Specific target organ toxicity (STOT) - single exposure</p> <ul style="list-style-type: none"> <li>Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.</li> </ul>

# AQUIMAX HARDENER

## HEALTH AND SAFETY DATA SHEET

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

Date of compilation: 07/06/2017

Revised Date: 27/09/2023

Version: 6

### 11. TOXICOLOGICAL INFORMATION

	Dangerous health implications	<p>Specific target organ toxicity (STOT) - repeated exposure</p> <ul style="list-style-type: none"> <li>• Specific target organ toxicity (STOT) - repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.</li> <li>• Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.</li> </ul> <p>G</p>			
		<p>Aspiration Hazard</p> <ul style="list-style-type: none"> <li>• Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.</li> </ul> <p>H</p>			
	Other information	N/A			
11.1	Specific toxicology information on the substances	<b>Identification</b>	<b>Acute Toxicity</b>		<b>Genus</b>
		3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers CAS: 53880-05-0 EC: 500-125-5	LD50 Oral	>2000 mg/kg	
			LD50 Dermal	>2000 mg/kg	
			LC50 Inhalation	Non-applicable	
		Cyclohexyldimethylamine CAS: 98-94-2 EC: 202-715-5	LD50 Oral	289 mg/kg	Rat
			LD50 Dermal	380 mg/kg	Rat
			LC50 Inhalation	Non-applicable	
		Tridecyl alcohol, ethoxylated, phosphated (6 mol EO) CAS: 9046-01-9 EC: Non-applicable	LD50 Oral	>2000 mg/kg	
			LD50 Dermal	>2000 mg/kg	
			LC50 Inhalation	Non-applicable	
		Hexamethylenediisocyanate, oligomers (<0.1% O=C=N-R-N=C=O) CAS: 28182-81-2 EC: 931-274-8	LD50 Oral	2660 mg/kg	Rat
			LD50 Dermal	>2000 mg/kg	
			LC50 Inhalation	11 mg/L (ATEi)	
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate CAS: 4098-71-9 EC: 223-861-6	LD50 Oral	>2000 mg/kg			
	LD50 Dermal	>2000 mg/kg			
	LC60 Inhalation	3 mg/L (ATEi)			
Hexamethylene-di-isocyanate CAS: 822-06-0 EC: 212-485-8	LD50 Oral	959 mg/kg	Rat		
	LD50 Dermal	7000 mg/kg	Rat		
	LC50 Inhalation	0,12 mg/L (4h)	Rat		

# AQUIMAX HARDENER

## HEALTH AND SAFETY DATA SHEET

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

Date of compilation: 07/06/2017

Revised Date: 27/09/2023

Version: 6

## 11. TOXICOLOGICAL INFORMATION

11.2	Information on other hazards	Endocrine disrupting properties	The product does not meet the criteria
		Other Information	Non-applicable

## 12. ECOLOGICAL INFORMATION

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

Harmful to aquatic life with long lasting effects.

	Toxicity	Identification	Concentration		Species	Genus		
12.1	Acute toxicity	Hexamethylene diisocyanate, oligomers (<0.1 % O=C=N-R- N=C=O) CAS: 28182-81-2 EC: 931-274-8	LC50	Non-applicable				
			EC50	Non-applicable				
			EC50	1000 mg/L (72 h)	Scenedesmus subspicatus	Algae		
				Tridecyl alcohol, ethoxylated, phosphated (6 mol EO) CAS: 9046-01-9 EC: Non-applicable	LC50	>1 - 10 mg/L (96 h)		Fish
					EC50	>1 - 10 mg/L (48 h)		Crustacean
					EC50	>1 - 10 mg/L (72 h)		Algae
				Cyclohexyldimethylamine CAS: 98-94-2 EC: 202-715-5	LC50	28 mg/L (96 h)	Leuciscus idus	Fish
					EC50	75 mg/L (48 h)	Daphnia magna	Crustacean
					EC50	2 mg/L (72 h)	Desmodesmus subspicatus	Algae
				3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate CAS: 4098-71-9 EC: 223-861-6	LC50	>1 - 10 mg/L (96 h)		Fish
					EC50	>1 - 10 mg/L (48 h)		Crustacean
					EC50	>1 - 10 mg/L (72 h)		Algae



# AQUIMAX HARDENER

## HEALTH AND SAFETY DATA SHEET

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

Date of compilation: 07/06/2017

Revised Date: 27/09/2023

Version: 6

## 12. ECOLOGICAL INFORMATION

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

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

	Toxicity	Identification	Degradability		Biodegradability		
12.2	Persistence and degradability - Substance specific information	Cyclohexyldimethylamine CAS: 98-94-2 EC: 202-715-5	BOD5	Non-applicable	Concentration	20 mg/L	
			COD	Non-applicable	Period	28 Days	
			BOD5/COD	Non-applicable	% Biodegradability	95%	
12.3	Bioaccumulative potential:	Cyclohexyldimethylamine CAS: 98-94-2 EC: 202-715-5	<b>Bioaccumulation Potential</b>				
			BFC				
			Pow Log	2.31			
			Potential				
12.4	Mobility in soil	Cyclohexyldimethylamine CAS: 98-94-2 EC: 202-715-5	<b>Absorption/desorption</b>		<b>Volatility</b>		
			Koc	69.49	Henry	6,73 Pa*m <sup>3</sup>	
			Conclusion	High	Dry soil	Non-applicable	
			Surface tension	Non-applicable	Moist soil	Non-applicable	
12.5	Results of PBT & vPvB assessment	Product does not meet PBT/vPvB criteria					
12.6	Endocrine disrupting properties	The product does not meet the criteria					
12.7	Other adverse effects	Not described					

# AQUIMAX HARDENER

## HEALTH AND SAFETY DATA SHEET

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

Date of compilation: 07/06/2017

Revised Date: 27/09/2023

Version: 6

### 13. DISPOSAL CONSIDERATIONS

	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	Dangerous
13.1	Type of waste (Regulation (EU) No 1357/2014)	HP14 Ecotoxic,HP5 Specific Target Organ Toxicity(STOT)/Aspiration Toxicity, HP6 Acute Toxicity,HP13 Sensitising		
	Waste management (disposal and evaluation)	Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.		
	Regulations related to waste management	In accordance with Annex II of Regulation (EC) No 1907/2006(REACH) the community or state provisions related to waste management are stated Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014		

### 14. TRANSPORT INFORMATION

14	This product is not regulated for transport (ADR/RID,IMDG,IATA)
----	---

# AQUIMAX HARDENER

## HEALTH AND SAFETY DATA SHEET

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

Date of compilation: 07/06/2017

Revised Date: 27/09/2023

Version: 6

### 15. REGULATORY INFORMATION

	Safety, health and environmental regulations/legislation specific for the substance or mixture	<p>Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains 1,2- benzisothiazol-3(2H)-one, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one(3:1), bronopol (INN),2-methyl-2H-isothiazol-3-one.</p> <p>Candidate substances for authorisation under the Regulation (EC) No 1907/2006(REACH): Non-applicable</p> <p>Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable</p> <p>Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable</p> <p>Article 95, REGULATION (EU) No 528/2012: Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (Product-type 2, 4, 6, 11, 12, 13)</p> <p>REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable</p>
	Seveso III	Non-Applicable
15.1	Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annes XVII REACH, etc)	<p>Shall not be used in:</p> <ul style="list-style-type: none"> <li>• ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,</li> <li>• tricks and jokes,</li> <li>• games for one or more participants, or any article intended to be used as such, even with ornamental aspects. Contains more than 0.1 % of 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, Hexamethylene-di-isocyanate,3- Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers by weight. 1. Shall not be used as substances on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) after 24 August 2023, unless:</li> </ul> <p>(a) the concentration of diisocyanates individually and in combination is less than 0,1 % by weight, or (b) the employer or self-employed ensures that industrial or professional user(s) have successfully completed training on the safe use of diisocyanates prior to the use of the substance(s) or mixture(s).</p>
	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

# AQUIMAX HARDENER

## HEALTH AND SAFETY DATA SHEET

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

Date of compilation: 07/06/2017

Revised Date: 27/09/2023

Version: 6

2. Shall not be placed on the market as substances on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) after 24 February 2022, unless:

(a) the concentration of diisocyanates individually and in combination is less than 0,1 % by weight, or (b) the supplier ensures that the recipient of the substance(s) or mixture(s) is provided with information on the requirements referred to in point (b) of paragraph 1 and the following statement is placed on the packaging, in a manner that is visibly distinct from the rest of the label information: "As from 24 August 2023 adequate training is required before industrial or professional use".

3. For the purpose of this entry "industrial and professional user(s)" means any worker or self-employed worker handling diisocyanates on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) or supervising these tasks.

4. The training referred to in point (b) of paragraph 1 shall include the instructions for the control of dermal and inhalation exposure to diisocyanates at the workplace without prejudice to any national occupational exposure limit value or other appropriate risk management measures at national level. Such training shall be conducted by an expert on occupational safety and health with competence acquired by relevant vocational training. That training shall cover as a minimum:

(a) the training elements in point (a) of paragraph 5 for all industrial and professional use(s). (b) the training elements in points (a) and (b) of paragraph 5 for the following uses:

- handling open mixtures at ambient temperature (including foam tunnels)
- spraying in a ventilated booth
- application by roller
- application by brush
- application by dipping and pouring
- mechanical post treatment (e.g. cutting) of not fully cured articles which are not warm anymore
- cleaning and waste
- any other uses with similar exposure through the dermal and/or inhalation route

(c) the training elements in points (a), (b) and (c) of paragraph 5 for the following uses:

- handling in completely cured articles (e.g. freshly cured, still warm)
- foundry applications
- maintenance and repair that needs access to equipment
- open handling of warm or hot formulations (> 45 °C)
- spraying in open air, with limited or only natural ventilation (includes large industry working halls) and spraying with high energy (e.g. foams, elastomers)
- and any other uses with similar exposure through the dermal and/or inhalation route.

5. Training elements:

(a) general training, including on-line training, on:

- chemistry of diisocyanates
- toxicity hazards (including acute toxicity)
- exposure to diisocyanates
- occupational exposure limit values

15.1

# AQUIMAX HARDENER

## HEALTH AND SAFETY DATA SHEET

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

Date of compilation: 07/06/2017

Revised Date: 27/09/2023

Version: 6

### 15. REGULATORY INFORMATION

15.1	Safety, health and environmental regulations /legislation specific for the substance or mixture	<ul style="list-style-type: none"> <li>• how sensitisation can develop</li> <li>• odour as indication of hazard</li> <li>• importance of volatility for risk</li> <li>• viscosity, temperature, and molecular weight of diisocyanates</li> <li>• personal hygiene</li> <li>• personal protective equipment needed, including practical instructions for its correct use and its limitations</li> <li>• risk of dermal contact and inhalation exposure</li> <li>• risk in relation to application process used</li> <li>• skin and inhalation protection scheme</li> <li>• ventilation</li> <li>• cleaning, leakages, maintenance</li> <li>• discarding empty packaging</li> <li>• protection of bystanders</li> <li>• identification of critical handling stages</li> <li>• specific national code systems (if applicable)</li> <li>• behaviour-based safety</li> <li>• certification or documented proof that training has been successfully completed</li> <li>• (b) intermediate level training, including on-line training, on:             <ul style="list-style-type: none"> <li>• additional behaviour-based aspects</li> <li>• maintenance</li> <li>• management of change</li> </ul> </li> <li>• evaluation of existing safety instructions</li> <li>• risk in relation to application process used</li> <li>• certification or documented proof that training has been successfully completed</li> <li>• (c) advanced training, including on-line training, on:             <ul style="list-style-type: none"> <li>• any additional certification needed for the specific uses covered</li> <li>• spraying outside a spraying booth</li> <li>• open handling of hot or warm formulations (&gt; 45 °C)</li> </ul> </li> <li>• certification or documented proof that training has been successfully completed</li> <li>• 6. The training shall comply with the provisions set by the Member State in which the industrial or professional user(s) operate. Member States may implement or continue to apply their own national requirements for the use of the substance(s) or mixture (s), as long as the minimum requirements set out in paragraphs 4 and 5 are met.</li> <li>• 7. The supplier referred to in point (b) of paragraph 2 shall ensure that the recipient is provided with training material and courses pursuant to paragraphs 4 and 5 in the official language(s) of the Member State(s) where the substance(s) or mixture(s) are supplied. The training shall take into consideration the specificity of the products supplied, including composition, packaging, and design.</li> <li>• 8. The employer or self-employed shall document the successful completion of the training referred to in paragraphs 4 and 5. The training shall be renewed at least every five years.</li> <li>• 9. Member States shall include in their reports pursuant to Article 117(1) the following information:             <ul style="list-style-type: none"> <li>• (a) any established training requirements and other risk management measures related to the industrial and professional uses of diisocyanates foreseen in national law</li> <li>• (b) the number of cases of reported and recognised occupational asthma and occupational respiratory and dermal diseases in relation to diisocyanates</li> <li>• (c) national exposure limits for diisocyanates, if there are any</li> <li>• (d) information about enforcement activities related to this restriction.</li> </ul> </li> <li>• 10. This restriction shall apply without prejudice to other Union legislation on the protection of safety and health of workers at the workplace</li> </ul>
------	---	---

# AQUIMAX HARDENER

## HEALTH AND SAFETY DATA SHEET

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

Date of compilation: 07/06/2017

Revised Date: 27/09/2023

Version: 6

## 16. OTHER INFORMATION

Legislation related to safety data sheets	The SDS shall be supplied in an official language of the country where the product is placed on the market. 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 (COMMISSION REGULATION (EU) 2020/878).
Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks:	COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3, SECTION 11, SECTION 12): · New declared substances Hexamethylene diisocyanate, oligomers (<0.1 % O=C=N-R-N=C=O) (28182-81-2) · Removed substances Hexamethylenediisocyanate, oligomers (28182-81-2) Substances that contribute to the classification (SECTION 2): · New declared substances Hexamethylenediisocyanate, oligomers (<0.1 % O=C=N-R-N=C=O) (28182-81-2) · Removed substances Hexamethylenediisocyanate, oligomers (28182-81-2)
Texts of the legislative phrases mentioned in section 3	H317: May cause an allergic skin reaction. H335: May cause respiratory irritation. H315: Causes skin irritation. H318: Causes serious eye damage. H412: Harmful to aquatic life with long lasting effects. H332: Harmful if inhaled.
CLP Regulation (EC) No 1272/2008	Acute Tox. 1: H330 - Fatal if inhaled. Acute Tox. 3: H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled. Acute Tox. 3: H331 - Toxic if inhaled. Acute Tox. 4: H302 - Harmful if swallowed. Acute Tox. 4: H332 - Harmful if inhaled. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. Eye Dam. 1: H318 - Causes serious eye damage. Eye Irrit. 2: H319 - Causes serious eye irritation. Flam. Liq. 3: H226 - Flammable liquid and vapour. Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. 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.
Classification procedure	Skin Sens. 1: Calculation method STOT SE 3: Calculation method Skin Irrit. 2: Calculation method Eye Dam. 1: Calculation method Aquatic Chronic 3: Calculation method Acute Tox. 4: Calculation method

# AQUIMAX HARDENER

## HEALTH AND SAFETY DATA SHEET

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

Date of compilation: 07/06/2017

Revised Date: 27/09/2023

Version: 6

## 16. OTHER INFORMATION CONTINUED

Advice related to training:	Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.
Principal bibliographical sources:	<a href="http://echa.europa.eu">http://echa.europa.eu</a> <a href="http://eur-lex.europa.eu">http://eur-lex.europa.eu</a>
Abbreviations and acronyms	ADR: European agreement concerning the international carriage of dangerous goods by road IMDG: International maritime dangerous goods code IATA: International Air Transport Association ICAO: International Civil Aviation Organisation COD: Chemical Oxygen Demand BOD5: 5day biochemical oxygen demand BCF: Bioconcentration factor LD50: Lethal Dose 50 LC50: Lethal Concentration 50 EC50: Effective concentration 50 LogPOW: Octanol/water partition coefficient Koc: Partition coefficient of organic carbon UFI: unique formula identifier IARC: International Agency for Research on Cancer

Product safety information sheet prepared in accordance with Article 32 of Regulation (EC) 1907/2006 (REACH)  
this document does not constitute a Safety Data Sheet under Article 31 of Regulation (EC) No. 1907/2006, as a Safety Data Sheet is not mandatory for this product. 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. 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.