AQUIMAX FLAMESHIELD CLEAR LACQUER MATT

HEALTH AND SAFETY DATA SHEET
According to Annex II to REACH - Regulation (EU) 2020/878 and to Annex II to UK REACH
Revised Date: 08/05/2025
Version: 1

1. PRODUCT AND COMPANY IDENTIFICATION

1.1	Product Code	AFS3400M
	Product name	AQUIMAX FLAMESHEILD CLEAR LACQUER MATT
1.2	Relevant identified uses of the substance or mixture and uses advised against	TWO-PACK FIRE-RETARDANT WATERBORNE CLEAR LACQUER
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	The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.
2.2	Hazard classification and indication:	
	Label elements	May cause an allergic skin reaction.
	Hazard pictograms	
	Signal word	Warning

2. HAZARD(S) IDENTIFICATION CONTINUED

2.2	Hazard Statements	
	H317	May cause an allergic skin reaction
	Precautionary Statements:	
	P280	Wear protective gloves.
	P261	Avoid breathing dust / fume / gas / mist / vapours / spray.
	P333+P313	If skin irritation or rash occurs: Get medical advice / attention.
	P362+P364	Take off contaminated clothing and wash it before reuse.
	Contains:	reaction mass of: α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) propionyl-ω-hydroxypoly(oxyethylene); α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) 2-METHYL-4-ISOTHIAZOLIN-3-ONE 1,2-Benzisothiazol-3(2H)-one
	VOC (Directive 2004/42/EC) :	Two-pack reactive performance coatings for specific end use such as floors.
	VOC given in g/litre of product in a ready-to-use condition :	56,18
	Limit value:	140,00
	Catalysed with :	20,00 % HARDENER FOR PROTECTIVE WB TOP COAT FOR FIRE RETARDANT CYCLES BS1 AND BS2
2.3	Other hazards	On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%. The product does not contain substances with endocrine disrupting properties in concentration ≥ 0.1%.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1	Mixtures	
3.2	Mixtures	contains Identification **X = Conc. %** **classification (EC) 127/2008 (CLP)** **NDIPROPYLENE GLYCOL MONOMETHYL ETHER** INDEX: 1.5 ≤ x < 2 **Substance with a community workplace exposure limit.** EC: 252-104-2 CAS: 34590-94-8 REACH Reg.: 01-2119450011-60 **Reaction mass of: α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) propionyl-ω-hydroxypoly(oxyethylene); α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)** INDEX: 607-176-00-3 1.5 ≤ x < 2 **Skin Sens. 1A H317, Aquatic Chronic 2 H411** EC: 400-830-7 CAS: REACH Reg.: 01-0000015075-76 **2-DIMETHYLAMINOETHANOL** INDEX: 603-047-00-0 0.1 ≤ x < 0,15 **Flam. Liq. 3 H226, Acute Tox. 3 H331, Acute Tox. 4 H302, Acute Tox. 4 H312, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335 STOT SE 3 H335: ≥ 5% LD50 Oral: 1183 mg/kg, LD50 Dermal: 1219 mg/kg, LC50 Inhalation vapours: 5,98 mg/l/4h** EC: 203-542-8 CAS: 108-01-0 REACH Reg.: 01-2119492298-24-XXXX **AMMONIA** INDEX: 007-001-01-2 0,05 ≤ x < 0,1 **Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335, Aquatic Acute 1 H400 M=1, Aquatic Chronic 2 H411, Classification note according to Annex VI to the CLP Regulation: B STOT SE 3 H335: ≥ 5%** EC: 215-647-6 CAS: 1336-21-6 REACH Reg.: 01-2119488876-14 **1,2-BENZISOTHIAZOL-3 (2H)-ONE** INDEX: 613-088-00-6 0 ≤ x < 0,05 **Acute Tox. 2 H330, Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 2 H411 Skin Sens. 1 H317: ≥ 0,05% LD50 Oral: 532 mg/l/4h, LC50 Inhalation mists/powders: 0,2 mg/l/4h** EC: 220-120-9 CAS: 2634-33-5 REACH Reg.: 01-2120761540-60 The full wording of hazard (H) phrases is given in section 16 of the sheet.

3. COMPOSITION/INFORMATION ON INGREDIENTS CONTINUED

3.1	Mixtures		
3.2	Mixtures	contains Identification **FORMALDEHYDE** INDEX: 605-001-00-5 EC: 200-001-8 CAS: 50-00-0 REACH Reg.: 01-2119488953-20-XXXX	**X = Conc. %** 0 ≤ x < 0,01	**classification (EC) 127/2008 (CLP)** **Carc. 1B H350, Muta. 2 H341, Acute Tox. 2 H330, Acute Tox. 3 H301, Acute Tox. 3 H311, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335, Skin Sens. 1 H317, Classification note according to Annex VI to the CLP Regulation: B, D Skin Corr. 1B H314: ≥ 25%, Skin Irrit. 2 H315: ≥ 5%, Skin Sens. 1 H317: ≥ 0,2%, Eye Dam. 1 H318: ≥ 25%, Eye Irrit. 2 H319: ≥ 5%, STOT SE 3 H335: ≥ 5% ATE Oral: 100 mg/kg, LD50 Dermal: 270 mg/kg, LC50 Inhalation vapours: 0,588 mg/l/4h**
		2-METHYL-4-ISOTHIAZOLIN-3-ONE INDEX: 613-167-00-5 EC: 220-239-6 CAS: 2682-20-4 REACH Reg.: 01-2120764690-50	0 ≤ x < 0,01	**Acute Tox. 2 H330, Acute Tox. 3 H301, Acute Tox. 3 H311, Skin Corr. 1B H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=1, EUH071 Skin Sens. 1A H317: ≥ 0,0015% LD50 Oral: 285 mg/l/4h, LD50 Dermal: 242 mg/l/4h, LC50 Inhalation mists/powders: 0,11 mg/l/4h**
		The full wording of hazard (H) phrases is given in section 16 of the sheet.		

4. FIRST-AID MEASURES

4.1	Description of first aid measures	In case of doubt or in the presence of symptoms contact a doctor and show him this document. In case of more severe symptoms, ask for immediate medical aid.
	By inhalation	Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.
	By skin contact	Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.
	By eye contact	Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.
	By ingestion / aspiration	Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.
4.2	Most important symptoms / effects, acute and delayed	Specific information on symptoms and effects caused by the product are unknown.
4.3	Indication of immediate medical attention and special treatment needed, if necessary	Information not available

5. FIRE-FIGHTING MEASURES

5.1	Extinguishing media	SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.
5.2	Specific hazards arising from the chemical	HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Do not breathe combustion products.
5.3	Advice for firefighters	GENERAL INFORMATION Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

6. ACCIDENTAL RELEASE MEASURES

6.1	Personal precautions, protective equipment and emergency procedures:	Block the leakage if there is no hazard. Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.
6.2	Environmental precautions	The product must not penetrate into the sewer system or come into contact with surface water or ground water.
6.3	Methods and material for containment and cleaning up	Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.
6.4	Reference to other sections	Any information on personal protection and disposal is given in sections 8 and 13.

7. HANDLING AND STORAGE

7.1	Precautions for safe handing	Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat. Avoid leakage of the product into the environment.
7.2	Conditions for safe storage, including any incompatibilities	Store only in the original container. Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.
7.3	Specific end use(s)	Information not available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1

Control Parameters (United Kingdom)	EH40/2005 Workplace exposure limits (Fourth Edition 2020)					
EU	Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC					
Threshold Limit Value						
AMMONIA						
Type	Country	TWA/8h	PPM	STEL/15min	PPM	Remarks/Observations
VLEP	ITA	14 mg/m3	20	36 mg/m3	50	
OEL	EU	14 mg/m3	20	36mg/m3	50	
Predicted no-effect concentration - PNEC			Normal value in fresh water		0,0011 mg/l	
			Normal value in marine water		0,0011 mg/l	
			Normal value for water, intermittent release		0,0068 mg/l	

Health - Derived no-effect level - DNEL / DMEL

Effects on consumer

Route of exposure	Acute Local	Acute systematic	Chronic Local	Chronic systematic
oral	VND	6,8 mg/kg/d	VND	6,8 mg/kg bw/d
Inhalation	7,2 mg/m3	23,8 mg/m3	2,8 mg/m3	23,8 mg/m3
Skin		6,8 mg/kg bw/d	68 mg/kg bw/d	68 mg/kg

8. EXPOSURE CONTROLS / PERSONAL PROTECTION CONTINUED

8.1

DIPROPYLENE GLYCOL MONOMETHYL ETHER

Type	Country	TWA/8h	PPM	STEL/15min	PPM	Remarks/Observations
WEL	GBR	308 mg/m3	50			SKIN
OEL	EU	308 mg/m3	50			SKIN

Predicted no-effect concentration - PNEC

Normal value in fresh water	19 mg/l
Normal value in marine water	1,9 mg/l
Normal value for fresh water sediment	70,2 mg/l
Normal value for marine water sediment	7,02 mg/kg
Normal value for water, intermittent release	190 mg/l
Normal value of STP microorganisms	4168 mg/l
Normal value for the terrestrial compartment	2,74 mg/kg

Health - Derived no-effect level - DNEL / DMEL

Effects on consumer

Route of exposure	Acute Local	Acute systematic	Chronic Local	Chronic systematic
oral				36 mg/kg bw/d
Inhalation				37,2 mg/m3
Skin				121 mg/kg

8. EXPOSURE CONTROLS / PERSONAL PROTECTION CONTINUED

8.1

Health - Derived no-effect level - DNEL / DMEL

Effects on workers

Route of exposure	Acute Local	Acute systematic	Chronic Local	Chronic systematic
Inhalation				308 mg/m3
Oral				
Skin				283 mg/kg/d

2-DIMETHYLAMINOETHANOL

Type	Country	TWA/8h	PPM	STEL/15min	PPM	Remarks/Observations
GVI/KGVI	HRV	7,4 mg/m3	2	22 mg/m3	6	
RV	LVA	5 mg/m3				
WEL	GBR	7,4 mg/m3	2	22 mg/m3	6	

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,0661 mg/l
Normal value in marine water	0,004 mg/l
Normal value for fresh water sediment	0,246 mg/l
Normal value for marine water sediment	0,015 mg/kg
Normal value for water, intermittent release	0,661 mg/l
Normal value of STP microorganisms	10 mg/l
Normal value for the terrestrial compartment	0,01 mg/kg

8. EXPOSURE CONTROLS / PERSONAL PROTECTION CONTINUED

8.1 Health - Derived no-effect level - DNEL / DMEL

Effects on consumers

Route of exposure	Acute Local	Acute systematic	Chronic Local	Chronic systematic
Inhalation				0,438 mg/m3
Oral				0,126 mg/m3
Skin				

Effects on workers

Route of exposure	Acute Local	Acute systematic	Chronic Local	Chronic systematic
Inhalation	13,53 mg/m3	5,28 mg/m3	1,76 mg/m3	1,76 mg/m3
Oral				
Skin	0,100 mg/cm2	1,2 mg/kg bw/d		0,25 mg/kg bw/d

FORMALDEHYDE

Type	Country	TWA/8h	PPM	STEL/15min	PPM	Remarks/Observations
WEL	GBR	2,5 mg/m3	2	2,5 mg/m3	2	
OEL	EU	0,37 mg/m3	0,3	0,74 mg/m3	0,6	

8. EXPOSURE CONTROLS / PERSONAL PROTECTION CONTINUED

<table>
<tr><td rowspan="9">8.1</td><td rowspan="8">Predicted no-effect concentration - PNEC</td><td>Normal value in fresh water</td><td>0,44 mg/l</td></tr>
<tr><td>Normal value in marine water</td><td>0,44 mg/l</td></tr>
<tr><td>Normal value for fresh water sediment</td><td>2,3 mg/l</td></tr>
<tr><td>Normal value for marine water sediment</td><td>2,3 mg/kg</td></tr>
<tr><td>Normal value for water, intermittent release</td><td>4,44 mg/l</td></tr>
<tr><td>Normal value of STP microorganisms</td><td>0,19 mg/l</td></tr>
<tr><td>Normal value for the terrestrial compartment</td><td>0,2 mg/kg</td></tr>
<tr><td rowspan="8">Health - Derived no-effect level - DNEL / DMEL</td><td colspan="2">Effects on consumers</td></tr>
<tr><td colspan="2">
<table>
<tr><th>Route of exposure</th><th>Acute Local</th><th>Acute systematic</th><th>Chronic Local</th><th>Chronic systematic</th></tr>
<tr><td>Inhalation</td><td></td><td></td><td>0,1 mg/m3</td><td>3,2 mg/m3</td></tr>
<tr><td>Oral</td><td></td><td></td><td></td><td>4,1 mg/m3</td></tr>
<tr><td>Skin</td><td></td><td></td><td>0,012 mg/cm2</td><td>102 mg/kg/d</td></tr>
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</td></tr>
<tr><td colspan="2">Effects on workers</td></tr>
<tr><td colspan="2">
<table>
<tr><th>Route of exposure</th><th>Acute Local</th><th>Acute systematic</th><th>Chronic Local</th><th>Chronic systematic</th></tr>
<tr><td>Inhalation</td><td>0,75 mg/kg</td><td></td><td>0,375 mg/kg</td><td>9 mg/m3</td></tr>
<tr><td>Oral</td><td></td><td></td><td></td><td></td></tr>
<tr><td>Skin</td><td></td><td></td><td>0,037 mg/cm2</td><td>240 mg/kg/d</td></tr>
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8. EXPOSURE CONTROLS / PERSONAL PROTECTION CONTINUED

<table>
<tr><td rowspan="10">8.1</td><td colspan="3">1,2-Benzisothiazol-3(2H)-one</td></tr>
<tr><td rowspan="7">Predicted no-effect concentration - PNEC</td><td>Normal value in fresh water</td><td>0,00403 mg/l</td></tr>
<tr><td>Normal value in marine water</td><td>0,00040 mg/l</td></tr>
<tr><td>Normal value for fresh water sediment</td><td>0,0499 mg/kg/d</td></tr>
<tr><td>Normal value for marine water sediment</td><td>0,00499 mg/kg/d</td></tr>
<tr><td>Normal value for water, intermittent release</td><td>0,00011 mg/l</td></tr>
<tr><td>Normal value of STP microorganisms</td><td>1,03 mg/l</td></tr>
<tr><td>Normal value for the terrestrial compartment</td><td>3 mg/kg/d</td></tr>
<tr><td rowspan="3">Health - Derived no-effect level - DNEL / DMEL</td><td colspan="2">Effects on consumers</td></tr>
<tr><td colspan="2">
<table>
<tr><th>Route of exposure</th><th>Acute Local</th><th>Acute systematic</th><th>Chronic Local</th><th>Chronic systematic</th></tr>
<tr><td>Inhalation</td><td></td><td></td><td></td><td>1,2 mg/m3</td></tr>
<tr><td>Skin</td><td></td><td></td><td></td><td>0,345 mg/kg bw/d</td></tr>
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</td></tr>
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<table>
<tr><th>Route of exposure</th><th>Acute Local</th><th>Acute systematic</th><th>Chronic Local</th><th>Chronic systematic</th></tr>
<tr><td>Inhalation</td><td></td><td></td><td></td><td>6,81 mg/m3</td></tr>
<tr><td>Skin</td><td></td><td></td><td></td><td>0,966 mg/kg bw/d</td></tr>
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8. EXPOSURE CONTROLS / PERSONAL PROTECTION CONTINUED

8.1

reaction mass of: α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) propionyl-ω-hydroxypoly(oxyethylene); α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)

Predicted no-effect concentration - PNEC	Normal value in fresh water	0,0023 mg/l
	Normal value in marine water	0,00023 mg/l
	Normal value for fresh water sediment	3,37 mg/kg/d
	Normal value for marine water sediment	0,337 mg/kg/d
	Normal value for water, intermittent release	0,028 mg/l
	Normal value of STP microorganisms	10 mg/l
	Normal value for the terrestrial compartment	2 mg/kg/d

Health - Derived no-effect level - DNEL / DMEL

Effects on consumers

Route of exposure	Acute Local	Acute systematic	Chronic Local	Chronic systematic
Oral				0,025 mg/m3
Inhalation			VND	0,085 mg/kg bw/d
Skin			VND	0,25 mg/kg

Effects on workers

Route of exposure	Acute Local	Acute systematic	Chronic Local	Chronic systematic
Oral				
Inhalation			VND	0,35 mg/kg bw/d
Skin			VND	0,5 mg/kg

8. EXPOSURE CONTROLS / PERSONAL PROTECTION CONTINUED

8.1

Threshold Limit Value

Type	Country	TWA/8h	PPM	STEL/15min	PPM	Remarks/observations
MAK	DEU	0,2 mg/m3				INHALE
MV	SVN	0,05 mg/m3				

2-METHYL-4-ISOTHIAZOLIN-3-ONE

Predicted no-effect concentration - PNEC	Normal value in fresh water	0,0034 mg/l
	Normal value in marine water	0,0034 mg/l
	Normal value for water, intermittent release	0,0034 mg/l
	Normal value of STP microorganisms	0,23 mg/l
	Normal value for the terrestrial compartment	0,047 mg/kg/d

Health - Derived no-effect level - DNEL / DMEL

Effects on consumers

Route of exposure	Acute Local	Acute systematic	Chronic Local	Chronic systematic
Oral	0,053	0,053 mg/kg bw/d	0,027	0,027 mg/kg bw/d
Inhalation	0,043		0,021 mg/m3	

Effects on workers

Route of exposure	Acute Local	Acute systematic	Chronic Local	Chronic systematic
Oral				
Inhalation	0,043 mg/m3		0,021 mg/m3	

Legend:
(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.
VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION CONTINUED

8.2	Exposure controls	Take the normal precautions for handling chemicals and apply an adequate standard of workplace hygiene. Users must assess the risks in their workplace and adopt: - Primary collective protective measures such as adequate natural ventilation and local extraction - Personal protective equipment to manage the combination of residual risks Personal protective equipment varies according to the possible exposure and hazardousness of the working conditions, so the final choice depends on the risk assessment.
	Hand protection	Use category Ill chemical resistant gloves according to the EN 374 standard Brief contact (splash protection) - non-exhaustive list Suitable material: NITRILE RUBBER (NBR) Glove thickness: greater than 0.4 mm Breakthrough time: from 30 to 60 minutes Breakthrough index: at least 2 The gloves must be replaced if there are signs of deterioration. In any case, users must assess the risks to determine the most suitable type of glove for the conditions of use
	Skin protection	Wear work clothes and safety footwear that complies with EN ISO 20344
	Eye protection	Wear safety glasses (UNI EN ISO 16321-1).
	Respiratory protection	Use a mask with EN140 and/or EN136 approval, with an ABEK type filter (EN 14387)
	Environmental exposure controls	The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

AQUIMAX FLAMESHIELD CLEAR LACQUER MATT

9. PHYSICAL AND CHEMICAL PROPERTIES

NOTE: Determination of the flash point may be NA (not applicable), the product being non flammable

		Properties	Value	Information
9.1	Information on basic physical and chemical properties	Appearance	liquid	
		Colour	Not available	
		Odour	pungent	
		Odour threshold	Not available	
		pH	Not available	
		Melting point / freezing point	Not available	
		Initial boiling point	> 65 °c	
		Boiling range	Not available	
		Flash point	-9 °c	
		Evaporation Rate	Not available	

9. PHYSICAL AND CHEMICAL PROPERTIES CONTINUED

		Properties	Value	Information
9.1	Information on basic physical and chemical properties	Flammability of solids and gases	not applicable	
		Lower inflammability limit	Not available	
		Upper inflammability limit	Not available	
		Lower explosive limit	Not available	
		Upper explosive limit	Not available	
		Vapour pressure	Not available	
		Vapour density	Not available	
		Relative density	0,98	
		Solubility	insoluble in water	
		Partition coefficient: n-octanol/water	Not available	
		Auto-ignition temperature	Not available	
		Decomposition temperature	Not available	
		Viscosity	Not available	
		Explosive properties	Not available	
		Oxidising properties	Not applicable	

9. PHYSICAL AND CHEMICAL PROPERTIES CONTINUED

9.2	Other information	Total solids (250°C / 482°F)	34,54 %
		VOC (Directive 2010/75/EU)	65,46 % - 641,49 g/litre
		VOC (volatile carbon)	42,06 % - 412,19 g/litre

10. STABILITY AND REACTIVITY

10.1	Reactivity	There are no particular risks of reaction with other substances in normal conditions of use.
		BUTANONE
		Reacts with: light metals, strong oxidants. Attacks various types of plastic materials. Decomposes under the effect of heat.
		ETHYL ACETATE
		Decomposes slowly into acetic acid and ethanol under the effect of light, air and water.
		N-BUTYL ACETATE
		Decomposes on contact with: water
10.2	Chemical stability	The product is stable in normal conditions of use and storage. M-TOLYLIDENE DIISOCYANATE SADT = 230°C/446°F.
10.3	Possibility of hazardous reactions	The vapours may also form explosive mixtures with the air
		XYLENE (MIXTURE OF ISOMERS)
		Stable in normal conditions of use and storage. Reacts violently with: strong oxidants. strong acids. nitric acid, perchlorates. May form explosive mixtures with: air.
		ETHYLBENZENE
		May form explosive mixtures with: alcohols, bases. May react violently with: alcohols, amines, strong bases, oxidising agents, strong acids, water.

10. STABILITY AND REACTIVITY

10.3	Possibility of hazardous reactions	BUTANONE	
		May form peroxides with: air, light, strong oxidising agents. Risk of explosion on contact with: hydrogen peroxide. nitric acid. sulphuric acid. May react dangerously with: oxidising agents, trichloromethane, alkalis. Forms explosive mixtures with: air.	
		ETHYL ACETATE	
		Risk of explosion on contact with: alkaline metals,hydrides,oleum.May react violently with: fluorine.strong oxidising agents,chlorosulphuric acid,potassium tert-butoxide.Forms explosive mixtures with: air.	
		N-BUTYL ACETATE	
		Risk of explosion on contact with: strong oxidising agents. May react dangerously with: alkaline hydroxides, potassium tert-butoxide. Forms explosive mixtures with: air.	
10.5	Condition to avoid	BUTANONE	
		Avoid exposure to: sources of heat.	
		ETHYL ACETATE	
		Avoid exposure to: light sources of heat, naked flames.	
		N-BUTYL ACETATE	
		Avoid exposure to: moisture sources of heat, naked flames.	
10.5	Incompatible materials	BUTANONE	
		Incompatible with: strong oxidants. inorganic acids, ammonia, copper, chloroform.	
		ETHYL ACETATE	
		Incompatible with: acids, bases, strong oxidants, aluminium, nitrates, chlorosulphuric acid. Incompatible materials: plastic materials.	
		N-BUTYL ACETATE	
		Incompatible with: water, nitrates, strong oxidants, acids, alkalis, zinc.	
10.6	Hazardous decomposition	In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.	
		ETHYLBENZENE	May develop: methane, styrene, hydrogen, ethane.

11. TOXICOLOGICAL INFORMATION

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.
It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1	Information on hazard classes as defined in Regulation (EC) No 1272/2008		
	Metabolism, toxicokinetics, mechanism of action and other information	Information not available	
	Information on likely routes of exposure	Information not available	
	Delayed and immediate effects as well as chronic effects from short and long-term exposure	Information not available	
	Interactive effects	Information not available	
	Acute toxicity	ATE (Inhalation - vapours) of the mixture:	> 20 mg/l
		ATE (Oral) of the mixture:	Not classified (no significant component)
		ATE (Dermal) of the mixture:	Not classified (no significant component)

11. TOXICOLOGICAL INFORMATION CONTINUED

11.1	AMMONIA	
	LD5O (Oral)	350 mg/kg
	DIPROPYLENE GLYCOL MONOMETHYL ETHER	
	LD5O (Dermal)	> 5000 mg/kg coniglio
	LD5O (Oral)	> 5000 mg/kg ratto
	LC50 (Inhalation)	3,35 mg/l/1h
	2-DIMETHYLAMINOETHANOL	
	LD5O (Dermal)	1219 mg/kg
	LD5O (Oral)	1183 mg/kg
	FORMALDEHYDE	
	LD5O (Dermal)	270 mg/kg
	LD5O (Oral)	460 mg/kg
	LC50 (Inhalation)	0,588 mg/l/4h
	1,2-Benzisothiazol-3(2H)-one	
	LD5O (Dermal)	> 2000 mg/kg ratto
	LD5O (Oral)	532 mg/kg ratto
	LC50 (Inhalation)	0,2 mg/l/4h
	reaction mass of: α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) propionyl-ω-hydroxypoly(oxyethylene); α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl⊠4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)	
	LD5O (Dermal)	> 2000 mg/kg
	LD5O (Oral)	> 2000 mg/kg
	LC50 (Inhalation)	> 5,8 mg/l 4 h

11. TOXICOLOGICAL INFORMATION CONTINUED

11.1	1-(2-butoxy-1-methylethoxy)propan-2-ol	
	LD5O (Dermal)	> 2000 mg/kg
	LD5O (Oral)	3700 mg/kg
	LC50 (Inhalation)	> 2,04 mg/l/4h
	2-METHYL-4-ISOTHIAZOLIN-3-ONE	
	LD5O (Dermal)	242 mg/kg
	LD5O (Oral)	285 mg/kg
	LC50 (Inhalation)	0,11 mg/l/4h
	Toxicity	
	SKIN CORROSION / IRRITATION	Does not meet the classification criteria for this hazard class
	SERIOUS EYE DAMAGE / IRRITATION	Does not meet the classification criteria for this hazard class
	RESPIRATORY OR SKIN SENSITISATION	Sensitising for the skin
	RESPIRATORY SENSITIZATION	Information not available
	SKIN SENSITIZATION	Information not available
	GERM CELL MUTAGENICITY	Does not meet the classification criteria for this hazard class
	CARCINOGENICITY	Does not meet the classification criteria for this hazard class
	REPRODUCTIVE TOXICITY	Does not meet the classification criteria for this hazard class
	ADVERSE EFFECTS ON SEXUAL FUNCTION AND FERTILITY	Information not available
	ADVERSE EFFECTS ON DEVELOPMENT OF THE OFFSPRING	Information not available
	EFFECTS ON OR VIA LACTATION	Information not available
	STOT - SINGLE EXPOSURE	Does not meet the classification criteria for this hazard class
	TARGET ORGANS	Information not available
	ROUTE OF EXPOSURE	Information not available
	STOT - REPEATED EXPOSURE	Does not meet the classification criteria for this hazard class

11. TOXICOLOGICAL INFORMATION CONTINUED

11.1	Toxicity	
	TARGET ORGANS	Information not available
	ROUTE OF EXPOSURE	Information not available
	ASPIRATION HAZARD	Does not meet the classification criteria for this hazard class
11.2	Information on other hazards	Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

12. ECOLOGICAL INFORMATION

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1	Toxicity	AMMONIA	
		LC50 - for Fish	0,89 mg/l/96h Oncorhynchus mykiss
		EC50 - for Crustacea	0,66 mg/l/48h Daphnia pulex
		Chronic NOEC for Crustacea	0,79 mg/l 96 h
		DIPROPYLENE GLYCOL MONOMETHYL ETHER	
		LC50 - for Fish	> 1000 mg/l/96h Poecillia reticulata
		EC50 - for Crustacea	1919 mg/l/48h Daphnia magna
		Chronic NOEC for Crustacea	> 0,5 mg/l Daphnia magna
		Chronic NOEC for Algae / Aquatic Plants	969 mg/l Pseudokirchneriella subcapitata
		2-DIMETHYLAMINOETHANOL	
		LC50 - for Fish	146,63 mg/l/96h Leuciscus ides
		EC50 - for Crustacea	98,37 mg/l/48h Daphnia magna
		EC50 - for Algae / Aquatic Plants	66,08 mg/l/72h Desmodesmus subspicatus
		EC10 for Algae / Aquatic Plants	24,49 mg/l/72h Scenedesmus subspicatus

12. ECOLOGICAL INFORMATION CONTINUED

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1	Toxicity	FORMALDEHYDE	
		LC50 - for Fish	6,7 mg/l/96h Morone saxatilis
		EC50 - for Crustacea	5,8 mg/l/48h Daphnia pulex
		EC50 - for Algae / Aquatic Plants	4,89 mg/l/72h Desmodesmus subspicatus
		Chronic NOEC for Fish	> 48 mg/l Oryzias latipes (28d)
		Chronic NOEC for Crustacea	> 6,4 mg/l Daphnia magna (21d)
		Chronic NOEC for Algae / Aquatic Plants	0,018 mg/l Triticum aestivm (40 d)
		1,2-Benzisothiazol-3(2H)-one	
		LC50 - for Fish	2,18 mg/l/96h Onchorhynchus mykiss
		EC50 - for Crustacea	2,94 mg/l/48h Daphnia magna
		EC50 - for Algae / Aquatic Plants	0,11 mg/l/72h
		EC10 for Algae / Aquatic Plants	0,0403 mg/l/72h
		Chronic NOEC for Fish	1,3 mg/l Onchorhynchus mykiss
		Chronic NOEC for Crustacea	1,2 mg/l Daphnia magna
		Chronic NOEC for Algae / Aquatic Plants	0,0403 mg/l
		reaction mass of: α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) propionyl-ω-hydroxypoly(oxyethylene); α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl⊠4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)	
		LC50 - for Fish	2,8 mg/l/96h Oncorhynchus mykiss
		EC50 - for Crustacea	4 mg/l/48h Daphnia magna
		EC50 - for Algae / Aquatic Plants	> 100 mg/l/72h Pseudokirchneriella subcapitata
		EC10 for Algae / Aquatic Plants	10 mg/l/72h Pseudokirchneriella subcapitata
		1-(2-butoxy-1-methylethoxy)propan-2-ol	
		LC50 - for Fish	841 mg/l/96h Poecilia reticulata
		EC50 - for Crustacea	> 1000 mg/l/48h Daphnia magna
		Chronic NOEC for Algae / Aquatic Plants	0,0104 mg/l Psudokirchneriella subcapitata
		2-METHYL-4-ISOTHIAZOLIN-3-ONE	
		LC50 - for Fish	> 150 mg/l/96h Danio rerio
		EC50 - for Crustacea	0,87 mg/l/48h Daphnia magna
		EC50 - for Algae / Aquatic Plants	0,157 mg/l/72h Psudokirchneriella subcapitata
		Chronic NOEC for Fish	493 mg/l Oncorhynchus mykiss
		Chronic NOEC for Crustacea	0,044 mg/l Daphnia magna
		Chronic NOEC for Algae / Aquatic Plants	0,0104 mg/l Psudokirchneriella subcapitata

12. ECOLOGICAL INFORMATION - CONTINUED

12.2	Persistence and degradability	AMMONIA	
		Degradability	Information not available
		DIPROPYLENE GLYCOL MONOMETHYL ETHER	
		Solubility in water - Rapidly degradable	1000 - 10000 mg/l
		2-DIMETHYLAMINOETHANOL	
		Solubility in water - Rapidly degradable	1000 - 10000 mg/l 60%/14d
		FORMALDEHYDE	
		Solubility in water - Rapidly degradable	55000 mg/l 99% (28 d)
		ETHYL ACETATE	
		Solubility in water - Rapidly degradable	> 10000 mg/I 70%
		1,2-Benzisothiazol-3(2H)-one	
		Degradability	Rapidly degradable
		reaction mass of: α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) propionyl-ω-hydroxypoly(oxyethylene); α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl□4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)	
		Degradability	NOT rapidly degradable
		1-(2-butoxy-1-methylethoxy)propan-2-ol	
		Degradability	Rapidly degradable
		2-METHYL-4-ISOTHIAZOLIN-3-ONE	
		Degradability	NOT rapidly degradable

12. ECOLOGICAL INFORMATION - CONTINUED

12.3	Bioaccumulative potential	DIPROPYLENE GLYCOL MONOMETHYL ETHER	
		Partition coefficient: n-octanol/water	0,0043
		2-DIMETHYLAMINOETHANOL	
		Partition coefficient: n-octanol/water	-0,55
		FORMALDEHYDE	
		Partition coefficient: n-octanol/water BCF	0,35 < 1
		1,2-Benzisothiazol-3(2H)-one	
		Partition coefficient: n-octanol/water	0,99
		reaction mass of: α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) propionyl-ω-hydroxypoly(oxyethylene); α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl□4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)	
		Partition coefficient: n-octanol/water BCF	3,6 502 h Oncorhynchus mykiss
		N-BUTYL ACETATE	
		Partition coefficient: n-octanol/water BCF	2,3 15,3
		2-METHYL-4-ISOTHIAZOLIN-3-ONE	
		Partition coefficient: n-octanol/water	-0,32 Log Kow
12.4	Mobility in soil	DIPROPYLENE GLYCOL MONOMETHYL ETHER Partition coefficient: soil/water: 0,28 FORMALDEHYDE Partition coefficient: soil/water: 1,202	
12.5	Results of PBT and vPvB assessment	On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.	
12.6	Endocrine disrupting properties	Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.	
12.7	Other adverse effects	Information not available	

13. DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	For disposal or recovery in EU countries , use the relevant waste code (EWC code) identified in the European Waste Catalogue. The producer of the waste must assign the EWC code according to the sector and type of process. Disposal must be carried out by an authorised waste management company. After the producer of the waste has assigned the EWC code, the contaminated packaging must be sent for recovery or disposal in compliance with the European waste management regulations. Disposal must be carried out by an authorised waste management company. For waste disposal or recovery in countries outside the EU, comply with the national or local regulations in force. For disposal or recovery of contaminated packaging in countries outside the EU, comply with the national or local regulations in force. Waste transportation may be subject to regulations on transportation of hazardous goods.

14. TRANSPORT INFORMATION

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1	UN number or ID number	not applicable
14.2	UN proper shipping name	not applicable
14.3	Transport hazard class(es)	not applicable
14.4	Packing group	not applicable
14.5	Environmental hazards	not applicable
14.6	Special precautions for user	not applicable
14.7	Maritime transport in bulk according to IMO instruments	Information not relevant

15. REGULATORY INFORMATION

Only for uses exempt from EU DIRECTIVE 2004/42/CE.

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
	Seveso Category - Directive 2012/18/EU:	None
	Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006	product: 3 point: 40
	FORMALDEHYDE REACH Reg.:	01-2119488953-20-XXXX
	Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors	not applicable
	Substances in Candidate List (Art. 59 REACH)	On the basis of available data, the product does not contain any SVHC in percentage ≥ than 0,1%
	Substances subject to authorisation (Annex XIV REACH)	None
	Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:	None
	Substances subject to the Rotterdam Convention:	None
	Substances subject to the Stockholm Convention:	None
	Healthcare controls	Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.
	VOC (Directive 2004/42/EC) :	Two-pack reactive performance coatings for specific end use such as floors.
15.2	Chemical safety assessment	A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3

16. OTHER INFORMATION

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

16	Flam. Liq. 3	Flammable liquid, category 3
	Carc. 1B	Carcinogenicity, category 1B
	Muta. 2	Germ cell mutagenicity, category 2
	Acute Tox. 2	Acute toxicity, category 2
	Acute Tox. 3	Acute toxicity, category 3
	Acute Tox. 4	Acute toxicity, category 4
	Skin Corr. 1B	Skin corrosion, category 1B
	Eye Dam. 1	Serious eye damage, category 1
	Skin Irrit. 2	Skin irritation, category 2
	STOT SE 3	Specific target organ toxicity - single exposure, category 3
	Skin Sens. 1	Skin sensitization, category 1
	Skin Sens. 1A	Skin sensitization, category 1A
	Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
	Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
	Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
	H226	Flammable liquid and vapour.
	H350	May cause cancer.
	H341	Suspected of causing genetic defects
	H330	Fatal if inhaled
	H301	Toxic if swallowed
	H311	Toxic in contact with skin.

16. OTHER INFORMATION CONTINUED

16	H331	Toxic if inhaled.
	H302	Harmful if swallowed.
	H312	Harmful in contact with skin.
	H314	Causes severe skin burns and eye damage.
	H318	Causes serious eye damage.
	H315	Causes skin irritation.
	H335	May cause respiratory irritation.
	H317	May cause an allergic skin reaction.
	H400	Very toxic to aquatic life
	H410	Very toxic to aquatic life with long lasting effects
	EUH071	Corrosive to the respiratory tract.
	Use descriptor system	
	PC 9a	Coatings and paints, thinners, paint removers
	PROC 10	Roller application or brushing
	PROC 11	Non industrial spraying
	PROC 13	Treatment of articles by dipping and pouring
	PROC 7	Industrial spraying
	LEGEND:	
	ADR	European Agreement concerning the carriage of Dangerous goods by Road
	ATE	Acute Toxicity Estimate

16. OTHER INFORMATION CONTINUED

	LEGEND:	
16	CAS	Chemical Abstract Service Number
	CE50	Effective concentration (required to induce a 50% effect)
	CE	Identifier in ESIS (European archive of existing substances)
	CLP	Regulation (EC) 1272/2008
	DNEL	Derived No Effect Level
	EmS	Emergency Schedule
	GHS	Globally Harmonized System of classification and labeling of chemicals
	IATA DGR	International Air Transport Association Dangerous Goods Regulation
	IC50	Immobilization Concentration 50%
	IMDG	International Maritime Code for dangerous goods
	IMO	International Maritime Organization
	INDEX	Identifier in Annex VI of CLP
	LC50	Lethal Concentration 50%
	LD50	Lethal dose 50%
	OEL	Occupational Exposure Level
	PBT	Persistent bioaccumulative and toxic as REACH Regulation
	PEC	Predicted environmental Concentration
	PEL	Predicted exposure level
	PNEC	Predicted no effect concentration
	REACH	Regulation (EC) 1907/2006

16. OTHER INFORMATION CONTINUED

16	RID	Regulation concerning the international transport of dangerous goods by train
	TLV	Threshold Limit Value
	TLV CEILING	Concentration that should not be exceeded during any time of occupational exposure
	TWA	Time-weighted average exposure limit
	TWA STEL	Short-term exposure limit
	VOC	Volatile organic Compounds
	vPvB	Very Persistent and very Bioaccumulative as for REACH Regulation
	WGK	Water hazard classes (German).
	GENERAL BIBLIOGRAPHY	
	1. Regulation (EC) 1907/2006 (REACH) of the European Parliament	
	2. Regulation (EC) 1272/2008 (CLP) of the European Parliament	
	3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)	
	4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament	
	5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament	
	6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament	
	7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament	
	8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament	
	9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament	
	10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament	
	11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament	
	12. Regulation (EU) 2016/1179 (IX Atp. CLP)	

16. OTHER INFORMATION CONTINUED

16	GENERAL BIBLIOGRAPHY
	13. Regulation (EU) 2017/776 (X Atp. CLP)
	14. Regulation (EU) 2018/669 (XI Atp. CLP)
	15. Regulation (EU) 2019/521 (XII Atp. CLP)
	16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
	17. Regulation (EU) 2019/1148
	18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
	19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
	20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
	21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
	22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
	23. Delegated Regulation (UE) 2023/707
	- The Merck Index. - 10th Edition
	- Handling Chemical Safety
	- INRS - Fiche Toxicologique (toxicological sheet)
	- Patty - Industrial Hygiene and Toxicology
	- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
	- IFA GESTIS website
	- ECHA website
	- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

16. OTHER INFORMATION CONTINUED

16	Note for users:	The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property. The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.
	CALCULATION METHODS FOR CLASSIFICATION	Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9. Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11. Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

Changes to previous review: The following sections were modified: 01 / 02 / 03 / 08 / 09 / 10 / 11 / 12 / 15 / 16