### Ramsauer GmbH & Co KG

#### 4822 Bad Goisern / H.

SECTION 1: identification of the substance/mixture and of the company/undertaking         1.1       Product identifier         Alkoxy 130         1.2       Relevant identified uses of the substance or mixture and uses advised against         1.2.1       Relevant identified uses of the substance or mixture and uses advised against         1.2.2       Uses advised against         None known.	Date printed 09.10.2023, Revision 09.10.2023         Version 1.0         Page 1 / 18				
1.1       Product identifier         Alkoxy 130         1.2       Relevant identified uses of the substance or mixture and uses advised against         1.2.1       Relevant identified uses of the substance or mixture and uses advised against         1.2.1       Relevant uses         Silicon       1.2.2         1.3.2       Details of the supplier of the safety data sheet         Company       Ramsauer GmUH & Co KG         Sarstein 17       Address         Address enquiries to       Fax + 30(015 gazo.200         Fax + 30(015 gazo.200       Homopage www.ramsauer.eu         E-meil office@ramsauer.eu       E-meil office@ramsauer.eu         E-meil office@ramsauer.ed       Address enquiries to         Safery Data Sheet       soffice@ramsauer.ed         Address enguiries to       safery data sheets are available from the supplier.         1.4       Emergency telephone number         Advisory body       +43 (0) 1.408 43 43 (24h)         SECTION 2: Hazards identification       Eye Irrit. 2: H319 Causes serious eye Irritation.         2.1       Classification of the substance or mixture [REGULATION (EC) No 1272/2008]         Eye Irrit. 2: H319 Causes serious eye Irritation.       Eye Irritation.         Signal word       WARNING         Contatins:       3-Annioprop/(met			, ,		
Alkoxy 130         1.1. Relevant identified uses of the substance or mixture and uses advised against         1.2.1 Relevant uses         Silicon         1.2.2 Uses advised against         None known.         1.3. Details of the supplier of the safet         Company       Ramauer GmbH & Co KG Sage m / H / AUSTRIA Report = 43(0)(15) SaGo for Park = 43(0)(14) SaGo for	SECTION 1: Identification of the substance/mixture and of the company/undertaking				
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Silicon         1.2 Uses advised against         None known.         1.3 Details of the supplier of the safety data sheet         Company       Ransauer (SmBH & Co KG Sarstein 17 4822 bad Goldern / H. / AUSTRIA Provide (SMBH & Socko) Homepage www.inanauer.eu E-mail office@ramsauer.eu E-mail office@ramsauer.eu E-u E-u E-u E-u E-u E-u E-u E-u E-u E-u	1.2	Relevant identified uses of th	e substance or mixture and uses advised against		
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None known.         1.1 Details of the supplier of the safety data sheet         Company       Ramsauer GmbH & Co KG         Sarstein 17       4822 Bad Goisem / H. / AUSTRIA         Mone 430(0)6135 8205-05       Fax +430(0)1635 8205-05         Fax +430(0)1635 8205-250       Fax +430(0)1635 8205-250         Fax +430(0)1635 8205-250       Fax +430(0)1635 8205-250         Address enquiries to       office@ramsauer.eu         Safety Data Sheet       sob@chemiebuero.de (No dispatch of safety data sheets)         Safety Data Sheet       sob@chemiebuero.de (No dispatch of safety data sheets)         Safety Data Sheet       sob@chemiebuero.de (No dispatch of safety data sheets)         Safety Data Sheet       sob@chemiebuero.de (No dispatch of safety data sheets)         Safety Data Sheet       sob@chemiebuero.de (No dispatch of safety data sheets)         Exercency telephone number       Advisory body       +43 (0) 1 406 43 43 (24h)         Stafety Data Sheet       Eye Imit. 2: H319 Causes serious eye imitation.         2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]       Eye Imit. 2: H319 Causes serious eye imitation.         2.2 Label elements       The product is required to be labeled in accordance with regulation CLP.         Hazard statements       H310 Causes serious eye imitation.         H2:3 (Timenthoxysily)propyletybehyenadiamine, 3-Amin			Silicon		
None known.         1.1 Details of the supplier of the safety data sheet         Company       Ramsauer GmbH & Co KG         Sarstein 17       4822 Bad Goisem / H. / AUSTRIA         Mone 430(0)6135 8205-05       Fax +430(0)1635 8205-05         Fax +430(0)1635 8205-250       Fax +430(0)1635 8205-250         Fax +430(0)1635 8205-250       Fax +430(0)1635 8205-250         Address enquiries to       office@ramsauer.eu         Safety Data Sheet       sob@chemiebuero.de (No dispatch of safety data sheets)         Safety Data Sheet       sob@chemiebuero.de (No dispatch of safety data sheets)         Safety Data Sheet       sob@chemiebuero.de (No dispatch of safety data sheets)         Safety Data Sheet       sob@chemiebuero.de (No dispatch of safety data sheets)         Safety Data Sheet       sob@chemiebuero.de (No dispatch of safety data sheets)         Exercency telephone number       Advisory body       +43 (0) 1 406 43 43 (24h)         Stafety Data Sheet       Eye Imit. 2: H319 Causes serious eye imitation.         2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]       Eye Imit. 2: H319 Causes serious eye imitation.         2.2 Label elements       The product is required to be labeled in accordance with regulation CLP.         Hazard statements       H310 Causes serious eye imitation.         H2:3 (Timenthoxysily)propyletybehyenadiamine, 3-Amin	4.0.4				
1.3       Details of the supplier of the safety data sheet         Company       Ramsauer GmOH & Co KG Sarstein 17         4222 bad Goisem / H. / AUSTRIA Prone +43(0)6138 620-50 Fax +43(0)6138 620-50 Fax +43(0)6138 620-50 Homepage www.mansauer.eu E-mail office@ramsauer.eu         Address enquiries to         Technical information         Safety Data Sheet         Safety Data Sheet         Safety data sheets are available from the supplier.         1.4         Emergency telephone number Advisory body         Address enquiries to         Safety data sheets are available from the supplier.         1.1       Emergency telephone number Advisory body         Advisory body       +43 (0) 1 406 43 43 (24h)         SECTION 2: Hazards identification         2.1       Classification of the substance or mixture [REGULATION (EC) No 1272/2008] Eye Init. 2: H319 Causes serious eye irritation.         2.2       Label elements         Hazard pictograms       Import of the substance or mixture [REGULATION (EC) No 1272/2008] Eye Init. 2: H319 Causes serious eye irritation.         Precautionary statements       H319 Causes serious eye irritation.	1.2.4	z uses advised against	None known		
Company       Famsauer CmbH & Co KG Sattein 17 4420 et al.09105 8 2020-300 Fox +430(0135 8205-200 Fox +430(0135 8205-200 Fox +430(0135 8205-200 Hompapag www.ramsauer.eu E-mail difice@ramsauer.at Safety Data Sheet       Address enquiries to Technical information         Address enquiries to       office@ramsauer.at Safety Data Sheet       Safety Data Sheet         Safety Data Sheet       safety data sheets are available from the supplier.         1.4       Emergency telephone number Advisory body       +43 (0) 1 406 43 43 (24h)         SECTION 2: Hazards identification       Eye Irnt. 2: H319 Causes serious eye irritation.         2.1       Classification of the substance or mixture [REGULATION (EC) No 1272/2008] Eye Irnt. 2: H319 Causes serious eye irritation.         2.2       Label elements       The product is required to be labelled in accordance with regulation CLP.         Hazard pictograms       Sufficiention.         Algo Var eye protection.       P30 (MetHyl) silesequioxanes, ethoxy-terminated Algo Trimethoxysily)propyl(cyclohaxylamine]         Hazard statements       P310 Gauses serious eye irritation.         Precautionary statements       P280 Wear eye protection. P337 4P313 If eye irritation presists: Get medical advice / attention. P337 4P313 If eye irritation presists: Get medical advice / attention. P337 4P313 If eye irritation presists: Get medical advice / attention. Pase advice / attention.         Special labelling       Contains: Timethoxysilyaisenase, EUH200 May produce			None Known.		
Sarstein 17       Sarstein 17         With 222 Bad Goisem / H. / AUSTRIA         Phone +43(0)6135 8205-50         Far +43(0)6135 8205-50         Homepage www.ramsauer.eu         E-mail office@ramsauer.eu         Address enquiries to         Technical information       office@ramsauer.eu         Safety Data Sheet       safely data sheets are available from the supplier.         1.4       Emergency telephone number         Advisory body       +43 (0) 1 406 43 43 (24h)         SECTION 2: Hazards identification       Eye Irrit. 2: H319 Causes serious eye irritation.         2.1       Classification of the substance or mixture [REGULATION (EC) No 1272/2008] Eye Irrit. 2: H319 Causes serious eye irritation.         2.2       Label elements         Hazard pictograms       Import of the substance or mixture [REGULATION (EC) No 1272/2008] Eye Irrit. 2: H319 Causes serious eye irritation.         Signal word       WARNING         Contains:       3-Aninopropy((methyl) silesequioxanes, ethoxy-terminated N-i3-(Timethoxysily))propylcyclohexylamine]         Hazard statements       P380 Wear eye protection. P337+P313 If eye irritation parsists: Get medical advice / attention. P337+P313 If eye irritation parsists: Get medical advice / attention. P337+P313 If eye irritation parsists: Get medical advice / attention. P337+P313 If eye irritation parsists: Get medical advice / attention. P337+P313 If eye irritation parsists: Get medical advice / attention. P337+	1.3	Details of the supplier of the	safety data sheet		
Technical information       office@ramsauer.at         Safety Data Sheet       sdb@chemiebuero.de (No dispatch of safety data sheets)         Safety Data Sheet       sdb@chemiebuero.de (No dispatch of safety data sheets)         Safety Data Sheet       sdb@chemiebuero.de (No dispatch of safety data sheets)         Safety data sheets are available from the supplier.       tata sheets are available from the supplier.         1.1       Emergency telephone number Advisory body       +43 (0) 1 406 43 43 (24h)         SEECTION 2: Hazards identification       Eye Irrit. 2: H319 Causes serious eye irritation.         2.1       Classification of the substance or mixture [REGULATION (EC) No 1272/2008] Eye Irrit. 2: H319 Causes serious eye irritation.         2.2       Label elements       The product is required to be labelled in accordance with regulation CLP.         Hazard pictograms       Signal word       WARNING         Contains:       3-Aminopropy((methyl) silsesquioxanes, ethoxy-terminated N=3-(Trimethoxysilyl)propylcyclobekylamine]         Hazard statements       H319 Causes serious eye irritation.         Precautionary statements       P280 Wear eye protection. P337+P313 If eye irritation persists: Get medical advice / attention. Special labelling       Contains: Trimethoxyvinylsilane, N=3-(Trimethoxysilyl)propylethylenediamine, 3- Aminopropyltriethoxysilane, EUH208 May produce an allergic reaction.         2.3       Other hazards       Contaits with moisture liberates Methanol and		Company	Sarstein 17 4822 Bad Goisern / H. / AUSTRIA Phone +43(0)6135 8205-0 Fax +43(0)6135 8205-250 Homepage www.ramsauer.eu		
Safety Data Sheet       sdb@chemiebuerc.de (No dispatch of safety data sheets) Safety data sheets are available from the supplier.         1.4       Emergency telephone number Advisory body       +43 (0) 1 406 43 43 (24h)         SECTION 2: Hazards identification       Eve Inti. 2: H319 Causes serious eye irritation.         2.1       Classification of the substance or mixture [REGULATION (EC) No 1272/2008] Eye Inti. 2: H319 Causes serious eye irritation.         2.2       Label elements         Hazard pictograms       The product is required to be labelled in accordance with regulation CLP.         Hazard pictograms       Jointon (March 1990)         Signal word       WARNING         Contains:       3-minoprop/(methyl) silsesquioxanes, ethoxy-terminated N-[3-(Trimethoxysily])propylcyclohexylamine]         Hazard statements       H319 Causes serious eye irritation.         Precautionary statements       P280 Wear eye protection. P337+P313 if eye irritation persists: Get medical advice / attention.         Special labelling       Contains: Trimethoxysilylane, N-[3-(Trimethoxysilyl)propyl]ethylenediamine, 3- Aminopropyl(interhoxysilane, N-[3-(Trimethoxysilyl)propyl]ethylenediamine, 3- Aminopropyl(interhoxysilane, N-[3-(Trimethoxysilyl)propyl]ethylenediamine, 3- Aminopropyl(interhoxysilane, N-[3-(Trimethoxysilyl)propyl]ethylenediamine, 3- Aminopropyl(interhoxysilane, N-[3-(Trimethoxysilyl)propyl]ethylenediamine, 3- Aminopropyl(interhoxysilane, N-[3-(Trimethoxysilyl)propyl]ethylenediamine, 3- Aminopropyl(interhoxysilane, N-[3-(Trimethoxysil)]         2.3		Address enquiries to			
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Precautionary statements       P280 Wear eye protection. P337+P313 If eye irritation persists: Get medical advice / attention.         Special labelling       Contains: Trimethoxyvinylsilane, N-[3-(Trimethoxysilyl)propyl]ethylenediamine, 3- Aminopropyltriethoxysilane. EUH208 May produce an allergic reaction.         2.3       Other hazards         Human health dangers       Contact with moisture liberates Methanol and Ethanol. Frequent persistent contact with the skin can cause skin irritation.         Environmental hazards       This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. Contains no ingredients with endocrine-disrupting properties.			N-[3-(Trimethoxysilyl)propylcyclohexylamine]		
P337+P313 If eye irritation persists: Get medical advice / attention.         Special labelling       Contains: Trimethoxyvinylsilane, N-[3-(Trimethoxysilyl)propyl]ethylenediamine, 3- Aminopropyltriethoxysilane. EUH208 May produce an allergic reaction.         2.3 Other hazards       Contact with moisture liberates Methanol and Ethanol. Frequent persistent contact with the skin can cause skin irritation.         Environmental hazards       This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. Contains no ingredients with endocrine-disrupting properties.		Hazard statements	H319 Causes serious eye irritation.		
Aminopropyltriethoxysilane. EUH208 May produce an allergic reaction.         2.3 Other hazards         Human health dangers       Contact with moisture liberates Methanol and Ethanol. Frequent persistent contact with the skin can cause skin irritation.         Environmental hazards       This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. Contains no ingredients with endocrine-disrupting properties.		Precautionary statements			
Human health dangersContact with moisture liberates Methanol and Ethanol. Frequent persistent contact with the skin can cause skin irritation.Environmental hazardsThis substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. Contains no ingredients with endocrine-disrupting properties.		Special labelling			
Environmental hazardsFrequent persistent contact with the skin can cause skin irritation.Environmental hazardsThis substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. Contains no ingredients with endocrine-disrupting properties.	2.3	Other hazards			
bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. Contains no ingredients with endocrine-disrupting properties.		Human health dangers			
		Environmental hazards	bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.		
		Other hazards			

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#### SECTION 3: Composition / Information on ingredients

#### 3.1 Substances

not applicable

#### 3.2 Mixtures

#### The product is a mixture.

Substance
3-Aminopropyl(methyl) silsesquioxanes, ethoxy-terminated
CAS: 128446-60-6, EINECS/ELINCS: Polymer
GHS/CLP: Flam. Liq. 3: H226 - Skin Irrit. 2: H315 - Eye Dam. 1: H318
N-[3-(TrimethoxysilyI)propylcyclohexylamine]
CAS: 3068-78-8, EINECS/ELINCS: 221-329-8
GHS/CLP: Eye Dam. 1: H318
Trimethoxyvinylsilane
CAS: 2768-02-7, EINECS/ELINCS: 220-449-8, EU-INDEX: 014-049-00-0, Reg-No.: 01-2119513215-52-XXXX
GHS/CLP: Flam. Liq. 3: H226 - Acute Tox. 4: H332 - Skin Sens. 1B: H317
4,4,7,7-Tetraethoxy-3,8-dioxa-4,7-disiladecane
CAS: 16068-37-4, EINECS/ELINCS: 240-212-2, Reg-No.: 01-2120764364-51-XXXX
GHS/CLP: Acute Tox. 3: H301 - Acute Tox. 4: H312 - Aquatic Chronic 3: H412 - STOT RE 1: H372 - EUH071
N-[3-(TrimethoxysilyI)propyI]ethylenediamine
CAS: 1760-24-3, EINECS/ELINCS: 217-164-6
GHS/CLP: Skin Sens. 1B: H317 - Eye Dam. 1: H318 - STOT SE 3: H335
3-Aminopropyltriethoxysilane
CAS: 919-30-2, EINECS/ELINCS: 213-048-4, EU-INDEX: 612-108-00-0, Reg-No.: 01-2119480479-24-XXXX
GHS/CLP: Acute Tox. 4: H302 - Skin Corr. 1B: H314 - Eye Dam. 1: H318 - Skin Sens. 1: H317
1,2-Bis(triethoxysilyl)ethylene
CAS: 87061-56-1, EINECS/ELINCS: 689-758-7
GHS/CLP: Aquatic Chronic 3: H412 - Acute Tox. 3: H301 - Acute Tox. 4: H312 - EUH071

Comment on component parts

For full text of H-statements: see SECTION 16.

#### **SECTION 4: First aid measures**

#### Description of first aid measures 4.1 General information Take off contaminated clothing and wash before reuse. Inhalation Ensure supply of fresh air. In the event of symptoms seek medical treatment. Skin contact In case of contact with skin wash off immediately with soap and water. If skin irritation or rash occurs: Get medical advice/attention. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy Eye contact to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Ingestion Seek medical advice immediately. 4.2 Most important symptoms and effects, both acute and delayed

Irritant effects Allergic reactions

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

#### Date printed 09.10.2023, Revision 09.10.2023 Version 1.0 Page 3 / 18 SECTION 5: Fire-fighting measures 5.1 Extinguishing media Suitable extinguishing media Carbon dioxide. Water spray jet. Dry powder. Foam. Extinguishing media that must not Full water jet. be used Special hazards arising from the substance or mixture 5.2 In the event of fire the following can be released: Carbon monoxide (CO) Nitrogen oxides (NOx). Advice for firefighters 5.3 Use self-contained breathing apparatus. Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations. SECTION 6: Accidental release measures Personal precautions, protective equipment and emergency procedures 6.1 Ensure adequate ventilation. High risk of slipping due to leakage/spillage of product. Use personal protective equipment (protective gloves, safety glasses, protective clothing). 6.2 **Environmental precautions** Do not discharge into the drains/surface waters/groundwater. 6.3 Methods and material for containment and cleaning up Take up mechanically. Take up residues with absorbent material (e.g. sand, sawdust, general purpose binder, diatomaceous earth). Dispose of absorbed material in accordance within the regulations. Reference to other sections 6.4 See SECTION 8+13 SECTION 7: Handling and storage 7.1 Precautions for safe handling Use only in well-ventilated areas. Avoid contact with eyes and skin. Use personal protective equipment. Take off contaminated clothing and wash before reuse. Wash hands before breaks and after work. Use barrier skin cream. Do not eat, drink, smoke or take drugs at work. 7.2 Conditions for safe storage, including any incompatibilities Keep only in original container. Prevent penetration into the ground. Do not store together with food and animal food/diet. Protect from heat/overheating. Keep in a cool place. Store in a dry place.

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7.3 Specific end use(s)

See product use, SECTION 1.2

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#### SECTION 8: Exposure controls / personal protection

#### 8.1 Control parameters

Ingredients with occupational exposure limits to be monitored EU (2004/37/EG)

Substance / EC LIMIT VALUES
Methanol
CAS: 67-56-1, EINECS/ELINCS: 200-659-6, EU-INDEX: 603-001-00-X, Reg-No.: 01-2119433307-44-XXXX
Eight hours: 200 ppm, 260 mg/m <sup>3</sup> , H

DNEL

Substance
3-Aminopropyltriethoxysilane, CAS: 919-30-2
Industrial, dermal, Long-term - systemic effects, 8.3 mg/kg bw/d
Industrial, dermal, Acute - systemic effects, 8.3 mg/kg bw/d
Industrial, inhalative, Long-term - systemic effects, 59 mg/m <sup>3</sup>
general population, dermal, Acute - systemic effects, 5 mg/kg bw/d (AF=10)
general population, dermal, Long-term - systemic effects, 5 mg/kg bw/d (AF=10)
general population, inhalative, Long-term - systemic effects, 17.4 mg/m³ (AF=10)
N-[3-(Trimethoxysilyl)propylcyclohexylamine], CAS: 3068-78-8
Industrial, inhalative, Acute - systemic effects, 260 mg/m <sup>3</sup>
Industrial, inhalative, Long-term - systemic effects, 16.5 mg/m <sup>3</sup>
Industrial, inhalative, Long-term - local effects, 260 mg/m <sup>3</sup>
Industrial, inhalative, Acute - local effects, 260 mg/m <sup>3</sup>
Industrial, dermal, Long-term - systemic effects, 2.33 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 2.9 mg/m <sup>3</sup>
general population, inhalative, Acute - systemic effects, 50 mg/m <sup>3</sup>
general population, inhalative, Long-term - local effects, 50 mg/m <sup>3</sup>
general population, inhalative, Acute - local effects, 50 mg/m <sup>3</sup>
general population, dermal, Long-term - systemic effects, 830 µg/kg bw/day
general population, oral, Long-term - systemic effects, 830 µg/kg bw/day
Trimethoxyvinylsilane, CAS: 2768-02-7
Industrial, inhalative, Long-term - systemic effects, 27.6 mg/m <sup>3</sup>
Industrial, dermal, Long-term - systemic effects, 0.91 mg/kg bw/day
general population, oral, Long-term - systemic effects, 0.63 mg/kg bw/day
general population, dermal, Long-term - systemic effects, 0.63 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 6.8 mg/m <sup>3</sup>
4,4,7,7-Tetraethoxy-3,8-dioxa-4,7-disiladecane, CAS: 16068-37-4
Industrial, inhalative, Long-term - local effects, 6 µg/m <sup>3</sup>
general population, inhalative, Long-term - local effects, 1 µg/m <sup>3</sup>

#### PNEC

Substance	
3-Aminopropyltriethoxysilane, CAS: 919-30-2	
sediment (freshwater), 1.2 mg/kg dw	
freshwater, 0.33 mg/L (AF=1000)	
sewage treatment plants (STP), 13 mg/L (AF=1)	
sediment (seawater), 0.12 mg/kg dw	
soil, 0.05 mg/kg dw	
seawater, 0.033 mg/L (AF=10 000)	

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	N-[3-(Trimethoxysilyl)propylcyclohexylamine], CAS: 3068-78-8		
	sediment (freshwater), 18.4 µg/kg sediment dw		
	seawater, 4.07 µg/L		
	sewage treatment plants (STP), 10 mg/L		
	soil, 13 µg/kg soil dw		
	sediment (freshwater), 184.4 µg/kg sediment dw		
	freshwater, 40.71 µg/L		
	Trimethoxyvinylsilane, CAS: 2768-02-7		
	freshwater, 400 µg/L		
	seawater, 40 µg/L		
	sediment (freshwater), 1.5 mg/kg dw		
	sediment (seawater), 0.15 mg/kg dw		
	soil, 0.06 mg/kg dw		
	4,4,7,7-Tetraethoxy-3,8-dioxa-4,7-disiladecane, CAS: 16068-37-4		
	freshwater, 16 µg/L		
	soil, 6.2 - 7.2 µg/kg soil dw		
	sediment (seawater), 7.8 - 19 µg/kg sediment dw		
	sediment (freshwater), 78 - 190 µg/kg sediment dw		
	sewage treatment plants (STP), 8 g/L		
	seawater, 1.6 µg/L		

#### 8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
Eye protection	Safety glasses. (EN 166:2001)
Hand protection	0.7 mm Butyl rubber, >480 min (EN 374-1/-2/-3). The details concerned are recommendations. Please contact the glove supplier for further information.
Skin protection	Protective clothing (EN 340)
Other	Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier. Avoid contact with eyes and skin. Do not inhale vapours.
Respiratory protection	In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection. Short term: filter apparatus, filter A. (DIN EN 14387)
Thermal hazards	not applicable
Delimitation and monitoring of the environmental exposition	Protect the environment by applying appropriate control measures to prevent or limit emissions.

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SEC	TION 9: Physical and chemical pro	perties		
9.1	0.1 Information on basic physical and chemical properties			
	Physical state	Liquid		
	Form	pasty		
	Color	various		
	Odor	characteristic		
	Odour threshold	No information available.		
	pH-value	not applicable		
	pH-value [1%]	not applicable		
	Boiling point [°C]	not applicable		
	Flash point [°C]	not applicable		
	Flammability	yes		
	Lower explosion limit	not applicable		
	Upper explosion limit	not applicable		
	Oxidising properties	no		
	Vapour pressure/gas pressure [kPa]	No information available.		
	Density [g/cm <sup>3</sup> ]	ca. 1.02 (EN ISO 1183-1)		
	Relative density	No information available.		
	Bulk density [kg/m³]	not applicable		
	Solubility in water	virtually insoluble		
	Solubility other solvents	No information available.		
	Partition coefficient [n-octanol/water]	not applicable		
	Kinematic viscosity	not applicable		
	Relative vapour density	No information available.		
	Evaporation speed	No information available.		
	Melting point [°C]	No information available.		
	Auto-ignition temperature [°C]	No information available.		
	Decomposition temperature [°C]	No information available.		
	Particle characteristics	not applicable		
9.2	Other information			
		none		

none

#### **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

No dangerous reactions known if used as directed.

#### 10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

#### 10.3 Possibility of hazardous reactions

Reactions with strong oxidizing agents.

#### 10.4 Conditions to avoid

See SECTION 7.2.

#### 10.5 Incompatible materials

Strong oxidizing agent.

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#### **10.6 Hazardous decomposition products**

Contact with moisture liberates Methanol and Ethanol. In the case of heating (150-180°C) following modest (decomposition) products may occure: Formaldehyde.

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#### SECTION 11: Toxicological information

Product

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute oral toxicity

Based on the available information, the classification criteria are not fulfilled.

Substance
3-Aminopropyltriethoxysilane, CAS: 919-30-2
LD50, oral, Rat, 1457 mg/kg / 1.57 mL/kg, OECD 401
LD50, oral, Rat, 2660 mg/kg / 2.83 mL/kg, OECD 401
N-[3-(Trimethoxysilyl)propylcyclohexylamine], CAS: 3068-78-8
LD50, oral, Rat, >2000 mg/kg bw, OECD 401
LC50, inhalative, Rat, 1.6 - 2.3 mg/L air, OECD 403, 4h
Trimethoxyvinylsilane, CAS: 2768-02-7
LD50, oral, Rat, 7120 mg/kg (OECD TG 401)
NOAEL, oral, Rat, < 62.5 mg/kg (28 d) (OECD TG 422)
4,4,7,7-Tetraethoxy-3,8-dioxa-4,7-disiladecane, CAS: 16068-37-4
LD50, oral, Rat, 161 mg/kg bw
N-[3-(Trimethoxysilyl)propyl]ethylenediamine, CAS: 1760-24-3
LD50, oral, Rat, 2995 mg/kg

#### Acute dermal toxicity

Product	
Based on the available information, the classification criteria are not fulfilled.	
Substance	
3-Aminopropyltriethoxysilane, CAS: 919-30-2	
LD50, dermal, Rabbit, 4076 mg/kg / 4.29 mL/kg, OECD 402	
Trimethoxyvinylsilane, CAS: 2768-02-7	
LD50, dermal, Rabbit, 3259 mg/kg bw	

 4,4,7,7-Tetraethoxy-3,8-dioxa-4,7-disiladecane, CAS: 16068-37-4

 LD50, dermal, Rat, 1971 mg/kg bw

 N-[3-(Trimethoxysilyl)propyl]ethylenediamine, CAS: 1760-24-3

 LD50, dermal, Rat, > 2000 mg/kg

#### Acute inhalational toxicity

Product Based on the available information, the classification criteria are not fulfilled.

#### Substance

Substance
3-Aminopropyltriethoxysilane, CAS: 919-30-2
LC50, inhalation (vapour ), Rat (male), > 5 ppm/6h (OECD 403)
LC50, inhalation (vapour ), Rat (female), > 16 ppm/6h (OECD 403)
Trimethoxyvinylsilane, CAS: 2768-02-7
LD50, inhalative, Rat, 16.8 mg/l (4 h) (OECD TG 403)
NOAEL, inhalative, Rat, 0.058 mg/l (98 d)
4,4,7,7-Tetraethoxy-3,8-dioxa-4,7-disiladecane, CAS: 16068-37-4

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LC50, inhalative			
Serious eye damage/irritation	Irritant		
conouc eye damagemmanen	Calculation method		

Substance

3-Aminopropyltriethoxysilane, CAS: 919-30-2 Rabbit (eye), OECD 405, Causes serious eye damage. Trimethoxyvinylsilane, CAS: 2768-02-7 Eye, Rabbit, OECD 405, 24h, non-irritating 4,4,7,7-Tetraethoxy-3,8-dioxa-4,7-disiladecane, CAS: 16068-37-4 Rabbit (eye), OECD 404, non-irritating N-[3-(Trimethoxysilyl)propyl]ethylenediamine, CAS: 1760-24-3 Rabbit, OECD 405, Causes serious eye damage.

#### Skin corrosion/irritation

Based on available data, the classification criteria are not met.

ubstance		
-Aminopropyltriethoxysilane, CAS: 919-30-2		
Rabbit, OECD 404, corrosive		
rimethoxyvinylsilane, CAS: 2768-02-7		
dermal, Rabbit, 24h, non-irritating		
4,4,7,7-Tetraethoxy-3,8-dioxa-4,7-disiladecane, CAS: 16068-37-4		
Rabbit, OECD 404, non-irritating		
N-[3-(Trimethoxysilyl)propyl]ethylenediamine, CAS: 1760-24-3		
abbit, OECD 404, Slight irritant effect - does not require labelling.		

#### Respiratory or skin sensitisation

Based on available data, the classification criteria are not met. EUH 208: May produce an allergic reaction.

2011/200	b. May produce an anergie reactio	
Substance		
3-Aminopropyltriethoxysilane,	CAS: 919-30-2	
dermal, Guinea pig, OECD 40	06, sensitising	
N-[3-(Trimethoxysilyl)propylcy	clohexylamine], CAS: 3068-78-8	3
dermal, Guinea pig, OECD 40	06, non-sensitizing	
Trimethoxyvinylsilane, CAS: 2	?768-02-7	
dermal, sensitising		
4,4,7,7-Tetraethoxy-3,8-dioxa	-4,7-disiladecane, CAS: 16068-37	37-4
dermal, Guinea pig, OECD 40	6, non-sensitizing	
N-[3-(Trimethoxysilyl)propyl]e	thylenediamine, CAS: 1760-24-3	3
dermal, mouse, OECD 429, s	ensitising	
dermal, Guinea pig, OECD 40	16, sensitising	

Specific target organ toxicity -Based on available data, the classification criteria are not met.

single exposure

Substance		
Trimethoxyvinylsilane, CAS: 2768-02-7		
inhalative, non-irritating		

Specific target organ toxicity repeated exposure

Based on available data, the classification criteria are not met.

Substance

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3-Aminopropyltriethoxysilane, CAS: 919-30-2		
NOAEL, oral, Rat, 200 mg/kg (90d; 7d/w), OECD 408, no adverse effect of	observed	
LOAEC, inhalativ (mist), Rat, 0.147 mg/l (28d; 5d/w; 6h/d)		
N-[3-(Trimethoxysilyl)propylcyclohexylamine], CAS: 3068-78-8		
NOAEL, oral, Rat, 500 mg/kg bw/day, OECD 422		
Trimethoxyvinylsilane, CAS: 2768-02-7		
NOAEL, oral, Rat, 40 mg/kg bw/day (subchronic), The effects observed an	re not sufficient for classifi	cation.
NOAEC, inhalative, Rat, 605 mg/m³ (subchronic), The effects observed an	re not sufficient for classifi	cation.
4,4,7,7-Tetraethoxy-3,8-dioxa-4,7-disiladecane, CAS: 16068-37-4		
LOAEC, Rat, 0.0027 mg/l (28d; 5d/w; 6h/d), OECD 412		
N-[3-(Trimethoxysilyl)propyl]ethylenediamine, CAS: 1760-24-3		
NOAEL, oral, Rat, > 500 mg/kg (28d), OECD 422, no adverse effect obse	rved	

#### Mutagenicity

Does not contain a relevant substance that meets the classification criteria.

Substance		
3-Aminopropyltriethoxysilane, CAS: 919-30-2		
in vivo, OECD 474, negativ		
in vitro, OECD 476, negativ		
in vitro, OECD 471, negativ		
Trimethoxyvinylsilane, CAS: 2768-02-7		
in vivo, negativ		
in vitro, OECD 471, negativ		
4,4,7,7-Tetraethoxy-3,8-dioxa-4,7-disiladecane, CAS: 16068-37-4		
in vivo, OECD 474, negativ		
in vitro, OECD 473, negativ		
in vitro, OECD 476, positive		
in vitro, OECD 471, negativ		
N-[3-(Trimethoxysilyl)propyl]ethylenediamine, CAS: 1760-24-3		
in vitro, OECD 476, negativ		
in vitro, OECD 471, negativ		

#### **Reproduction toxicity**

Does not contain a relevant substance that meets the classification criteria.

#### - Fertility

Substance		
Trimethoxyvinylsilane, CAS: 2768-02-7		
NOAEL, oral, Rat, 300 mg/kg bw/day (subchronic), no adverse effect observed		
N-[3-(Trimethoxysilyl)propyl]ethylenediamine, CAS: 1760-24-3		
NOAEL, oral, Rat, >= 500 mg/kg, OECD 422		

#### - Development

Substance		
3-Aminopropyltriethoxysilane, CAS: 919-30-2		
NOAEL, 100 mg/kg		
Trimethoxyvinylsilane, CAS: 2768-02-7		
NOAEL, oral, Rabbit, 75 mg/kg bw/day (subacute), no adverse effect observed		
NOAEC, inhalative, Rat, 1730 mg/m <sup>3</sup> (subacute), no adverse effect observed		
N-[3-(Trimethoxysilyl)propyl]ethylenediamine, CAS: 1760-24-3		
NOAEL, oral, Rat, >= 500 mg/kg, OECD 422		

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	Carcinogenicity		Does not contain a relevant substance that meets the classi	ification criteria.	
		Substance			
	3-Aminopropyltriethoxysilane, CAS: 919-30-2				
	NOAEL, dermal, mouse, > 43.8 mg/w (2a; 3d/w), no adverse effect observed				
	Aspiration hazard		Based on available data, the classification criteria are not m	et.	
	General remarks				
			Toxicological data of complete product are not available. The toxicity data listed pertaining to the ingredients are inter medicinal professions, experts for occupational health and s toxicity data pertaining to the ingredients were supplied by the	afety and toxicolog	jists. The
11.2	11.2 Information on other hazards				
	11.2.1 Endocrine of properties	disrupting	Does not contain a relevant substance that meets the classi	fication criteria.	
	11.2.2 Other inform	mation	none		

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#### SECTION 12: Ecological information

#### 12.1 Toxicity

Product		
Based on the available information, the classification criteria are not fulfilled.		
Substance		
3-Aminopropyltriethoxysilane, CAS: 919-30-2		
LC50, (96h), Danio rerio, > 934 mg/l (OECD 203)		
EC50, (72h), Pseudokirchneriella subcapitata, > 1000 mg/l (OECD 201)		
EC50, (48h), Daphnia magna, 331 mg/l (OECD 202)		
N-[3-(Trimethoxysilyl)propylcyclohexylamine], CAS: 3068-78-8		
LC50, (96h), Danio rerio, > 100 mg/l		
EC50, (3h), Water microorganisms, 1 g/L		
EC50, (72h), Algae, 40.71 mg/L		
EC50, (48h), Daphnia sp., 210 mg/L		
NOEC, (72h), Algae, 16.88 mg/L		
Trimethoxyvinylsilane, CAS: 2768-02-7		
LC50, (96h), Oncorhynchus mykiss, 191 mg/l		
EC50, (48h), Daphnia magna, 168.7 mg/l (92/69/EWG C.2)		
EC50, Pseudokirchneriella subcapitata, 210 mg/l (7 d) (US-EPA)		
EC10, Pseudomonas putida, 1000 mg/l (5 h)		
4,4,7,7-Tetraethoxy-3,8-dioxa-4,7-disiladecane, CAS: 16068-37-4		
LC50, (96h), Danio rerio, 16 mg/L		
EC50, (16h), Pseudomonas putida, 8 g/L		
EC50, (72h), Algae, 53 - 671 mg/L		
EC50, (48h), Crustacea, 72.6 - 92.2 mg/L		
NOEC, (72h), Algae, 102 mg/L		
N-[3-(Trimethoxysilyl)propyl]ethylenediamine, CAS: 1760-24-3		
LC50, (96h), Danio rerio, 597 mg/l		
EC50, (48h), Daphnia magna, 81 mg/l		
EC50, (16h), Pseudomonas putida, 67 mg/l		
IC50, (72h), Algae, 8.8 mg/l (OECD 201)		
NOEC, (72h), Algae, 3.1 mg/l (OECD 201)		
NOEC, (14d), >= 1000 mg/kg (Eisenia fetida; OECD 207)		
NOEC, (21d), Daphnia magna, > 1 mg/l		

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#### 12.2 Persistence and degradability

Behaviour in environment compartments	No information available.
Behaviour in sewage plant	No information available.
Biological degradability	No information available.

#### 12.3 Bioaccumulative potential

No information available.

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#### 12.4 Mobility in soil

not applicable

#### 12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

#### 12.6 Endocrine disrupting properties

Does not contain a relevant substance that meets the classification criteria.

#### 12.7 Other adverse effects

Ecological data of complete product are not available. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

#### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

SECTION 14: Transport informatior	1
Waste no. (recommended)	150110* packaging containing residues of or contaminated by hazardous substances
	Uncontaminated packaging may be taken for recycling. Packaging that cannot be cleaned should be disposed of as for product.
Contaminated packaging	
Waste no. (recommended)	070216*
	For recycling, consult manufacturer. Disposal in an incineration plant in accordance with the regulations of the local authorities.

4.1 UN number or ID number Transport by land according to ADR/RID	not applicable
Inland navigation (ADN)	not applicable
Marine transport in accordance with IMDG	not applicable
Air transport in accordance with IATA	not applicable

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14.2	UN proper shipping name				
	Transport by land according to ADR/RID	NO DANGEROUS GOODS			
	Inland navigation (ADN)	NO DANGEROUS GOODS			
	Marine transport in accordance with IMDG	NOT CLASSIFIED AS "DANGEROUS GOODS"			
	Air transport in accordance with IATA	NOT CLASSIFIED AS "DANGEROUS GOODS"			
14.3	Transport hazard class(es)				
	Transport by land according to ADR/RID	not applicable			
	Inland navigation (ADN)	not applicable			
	Marine transport in accordance with IMDG	not applicable			
	Air transport in accordance with IATA	not applicable			
14.4	Packing group				
	Transport by land according to ADR/RID	not applicable			
	Inland navigation (ADN)	not applicable			
	Marine transport in accordance with IMDG	not applicable			
	Air transport in accordance with IATA	not applicable			
14.5	Environmental hazards				
	Transport by land according to ADR/RID	no			
	Inland navigation (ADN)	no			
	Marine transport in accordance with IMDG	no			
	Air transport in accordance with IATA	no			
14.6	Special precautions for user				
	Relevant information under SECTION 6 f	to 8.			

#### 14.7 Maritime transport in bulk according to IMO instruments

not applicable

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I regulations/legislation specific for the substance	or mixture	
Substances of Very High Concern - SVHC: substances are	not contained or ar	e below 0.1%.
The product is not subject to Annex I restrictions.		
According to Annex XIV of Regulation (EC) 1907/2006 (RE any substances $\ge 0.1\%$ that are subject to authorisation.	ACH) the product de	oes not contain
According to Annex XVII of Regulation (EC) 1907/2006 (RE of substances with the following restrictions. 40, 75	EACH) the product c	contains ≥ 0.1%
According to Annex XVII of Regulation (EC) 1907/2006 (RE any restrictions.	EACH) the product is	s not subject to
ADR (2023); IMDG-Code (2023, 41. Amdt.); IATA-DGR (20	)23)	
Observe employment restrictions for young people.		
0 %		
not applicable		
	I regulations/legislation specific for the substance 2008/98/EC 2000/532/EC); 2010/75/EU; 2004/42/EC; (EC) (REACH); (EU) 1272/2008; 75/324/EEC ((EC) 2016/2037); (EU) 517/2014; (EU) 2019/1148 Substances of Very High Concern - SVHC: substances are The product is not subject to Annex I restrictions. According to Annex XIV of Regulation (EC) 1907/2006 (RE any substances ≥ 0.1% that are subject to authorisation. According to Annex XVII of Regulation (EC) 1907/2006 (RE of substances with the following restrictions. 40, 75 According to Annex XVII of Regulation (EC) 1907/2006 (RE any restrictions. ADR (2023); IMDG-Code (2023, 41. Amdt.); IATA-DGR (20 Observe employment restrictions for young people. 0 %	I regulations/legislation specific for the substance or mixture 2008/98/EC 2000/532/EC); 2010/75/EU; 2004/42/EC; (EC) 648/2004; (EC) 190 (REACH); (EU) 1272/2008; 75/324/EEC ((EC) 2016/2037); (EU) 2020/878; (EU (EU) 517/2014; (EU) 2019/1148 Substances of Very High Concern - SVHC: substances are not contained or ar The product is not subject to Annex I restrictions. According to Annex XIV of Regulation (EC) 1907/2006 (REACH) the product de any substances ≥ 0.1% that are subject to authorisation. According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product of substances with the following restrictions. 40, 75 According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product is any restrictions. ADR (2023); IMDG-Code (2023, 41. Amdt.); IATA-DGR (2023) Observe employment restrictions for young people. 0 %

#### 16.1 Hazard statements (SECTION 3)

H315 Causes skin irritation.

H314 Causes severe skin burns and eye damage.

H302 Harmful if swallowed.

H335 May cause respiratory irritation.

H318 Causes serious eye damage.

EUH071 Corrosive to the respiratory tract.

- H372 Causes damage to lung through prolonged or repeated exposure if inhaled.
- H412 Harmful to aquatic life with long lasting effects.
- H312 Harmful in contact with skin.
- H301 Toxic if swallowed.

H317 May cause an allergic skin reaction.

H332 Harmful if inhaled.

H226 Flammable liquid and vapour.

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6.2 Abbreviations and acronyms:		
	ADR = Accord européen relatif au transport international des marchandises Dange	reuses par
	Route RID = Règlement concernant le transport international ferroviaire de marchandises	
	dangereuses	>
	ADN = Accord européen relatif au transport international des marchandises dange	reuses par
	voie de navigation intérieure	
	ATE = acute toxicity estimate	
	CAS = Chemical Abstracts Service	
	CLP = Classification, Labelling and Packaging	
	DMEL = Derived Minimum Effect Level	
	DNEL = Derived No Effect Level	
	EC50 = Median effective concentration	
	ECB = European Chemicals Bureau	
	EEC = European Economic Community	
	EINECS = European Inventory of Existing Commercial Chemical Substances EL50 = Median effective loading	
	ELINCS = European List of Notified Chemical Substances	
	EmS = Emergency Schedules	
	GHS = Globally Harmonized System of Classification and Labelling of Chemicals	
	IATA = International Air Transport Association	
	IBC-Code = International Code for the Construction and Equipment of Ships carryi	na
	Dangerous Chemicals in Bulk	5
	IC50 = Inhibition concentration, 50%	
	IMDG = International Maritime Code for Dangerous Goods	
	IUCLID = International Uniform ChemicaL Information Database	
	IVIS = In vitro irritation score	
	LC50 = Lethal concentration, 50%	
	LD50 = Median lethal dose	
	LC0 = lethal concentration, 0%	
	LOAEL = lowest-observed-adverse-effect level	
	LL50 = Median lethal loading	
	LQ = Limited Quantities	
	MARPOL = International Convention for the Prevention of Marine Pollution from SI	nips
	NOAEL = No Observed Adverse Effect Level NOEC = No Observed Effect Concentration	
	PBT = Persistent, Bioaccumulative and Toxic substance	
	PNEC = Predicted No-Effect Concentration	
	REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals	
	STP = Sewage Treatment Plant	
	TLV®/TWA = Threshold limit value – time-weighted average	
	TLV®STEL = Threshold limit value – short-time exposure limit	
	VOC = Volatile Organic Compounds	
	vPvB = very Persistent and very Bioaccumulative	

#### 16.3 Other information

This document does not comply with Regulation (EC) No 1907/2006, article 31 (5) and may be used for internal purposes only.

**Classification procedure** 

Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method)

# Ramsauer GmbH & Co KG 4822 Bad Goisern / H.

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Modified position	SECTION 3 been added: 3-Aminopropyl(methyl) silsesquioxanes, ethoxy-terminated
	SECTION 3 been added: N-[3-(Trimethoxysilyl)propylcyclohexylamine]
	SECTION 3 deleted: 3-Aminopropyl(methyl) silsesquioxanes, ethoxy-terminated
	SECTION 3 deleted: N-[3-(Trimethoxysilyl)propylcyclohexylamine]
	SECTION 2 been added: Contains no ingredients with endocrine-disrupting properties.
	SECTION 2 been added: P337+P313 If eye irritation persists: Get medical advice / attention.
	SECTION 2 deleted: DANGER
	SECTION 2 deleted: H318 Causes serious eye damage.
	SECTION 2 deleted: P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	SECTION 2 deleted: corrosion
	SECTION 2 deleted: P310 Immediately call a POISON CENTER / doctor.
	SECTION 2 deleted: Eye Dam. 1
	SECTION 2 been added: H319 Causes serious eye irritation.
	SECTION 2 been added: WARNING
	SECTION 2 been added: exclamation mark
	SECTION 2 been added: Eye Irrit. 2
	SECTION 4 deleted: Shield unaffected eye.
	SECTION 4 been added: If eye irritation persists: Get medical advice/attention.
	SECTION 4 deleted: Consult a doctor immediately.
	SECTION 9 been added: not applicable
	SECTION 9 deleted: No information available.
	SECTION 9 been added: yes
	SECTION 9 deleted: not determined
	SECTION 11 been added: Irritant
	SECTION 11 deleted: No information available.
	SECTION 11 been added: Does not contain a relevant substance that meets the classification criteria.
	SECTION 11 deleted: Risk of serious damage to eyes.
	SECTION 12 been added: Does not contain a relevant substance that meets the classification criteria.
	SECTION 12 deleted: No information available.
	SECTION 16 deleted: Calculation method
	SECTION 16 been added: Calculation method
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