

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 29-03-19 Revision date: 25-11-21 Supersedes version of: 29-03-19 Version: 2.0

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture

Product name : Coating PU MG Matt A-component

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

: Industrial use, Professional use Main use category

Use of the substance/mixture : A water-based transparent coating for finishing PU cast floors

1.2.2. Uses advised against No additional information available

1.3. Details of the supplier of the safety data sheet

Quartzline BV

W.A. Boogaerdtstraat 5 3316 BN Dordrecht - Nederland

T +31 (0)78 6513100 - F +31 (0)78 6177390 info@quartzline.nl - www.quartzline.nl

1.4. Emergency telephone number

: +31 (0)78 6513100 Emergency number

This number is serviced during office hours.

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	Only for healthcare professionals

## **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin sensitisation, Category 1 H317

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

May cause an allergic skin reaction.

## 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS07

Signal word (CLP) : Warning

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

hydroxypoly(oxyethylene) and α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-

hydroxyphenyl)propionyloxypoly(oxyethylene), reaction mass of: 5-chloro-2-methyl-4-

isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-61 (3:1)

: H317 - May cause an allergic skin reaction. Hazard statements (CLP) Precautionary statements (CLP)

: P261 - Avoid breathing vapours, mist.

P280 - Wear protective gloves.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse.

P501 - Dispose of contents and container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation.

## 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

## **SECTION 3: Composition/information on ingredients**

#### 3.1. Substances

Not applicable

## 3.2. Mixtures

J.Z. MIALUIES				
Name	Product identifier	Conc. (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
reaction mass of $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -hydroxypoly(oxyethylene) and $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)	EC-No.: 400-830-7 EC Index-No.: 607-176-00-3 REACH-no: 01-0000015075- 76	1 – 2	Skin Sens. 1, H317 Aquatic Chronic 2, H411	
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) (Note B)	CAS-No.: 55965-84-9 EC-No.: 611-341-5 EC Index-No.: 613-167-00-5 REACH-no: 01-2120764691- 48	< 0,001	Acute Tox. 2 (Inhalation), H330 Acute Tox. 2 (Dermal), H310 Acute Tox. 3 (Oral), H301 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	

Specific concentration limits			
Name	Product identifier	Specific concentration limits	
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)	CAS-No.: 55965-84-9 EC-No.: 611-341-5 EC Index-No.: 613-167-00-5 REACH-no: 01-2120764691-	( 0,0015 ≤C ≤ 100) Skin Sens. 1A, H317 ( 0,06 ≤C < 0,6) Eye Irrit. 2, H319 ( 0,06 ≤C < 0,6) Skin Irrit. 2, H315 ( 0,6 ≤C ≤ 100) Eye Dam. 1, H318 ( 0,6 ≤C ≤ 100) Skin Corr. 1C, H314	

Note B: Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

Full text of H- and EUH-statements: see section 16

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

4.1	Descri	ption	of	first	aid	measures
<b>T.</b> (	Descri	PLIOII	$\mathbf{v}$	111 36	aiu	measures

First-aid measures general

First-aid measures after skin contact

- : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical
- advice (show the label where possible).

First-aid measures after inhalation : Remove person to

: Remove person to fresh air and keep comfortable for breathing. Get medical

advice/attention if you feel unwell.

Remove contaminated clothes. Wash skin with plenty of water. Get medical advice if skin

irritation persists.

First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact

: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain,

blinking or redness persists.

First-aid measures after ingestion : Rinse mouth. Do not induce

: Rinse mouth. Do not induce vomiting without medical advice. Get medical advice/attention if you feel unwell.

## 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact : May cause an allergic skin reaction.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

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#### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Presents no particular fire or explosion hazard.

Hazardous decomposition products in case of fire : Toxic furnes may be released. Carbon oxides (CO, CO2).

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any

chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

#### **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. For further information refer to section 8:

"Exposure controls/personal protection".

Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Do not allow to enter drains or water courses.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Sweep or shovel spills into appropriate

container for disposal.

Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". Concerning disposal elimination after cleaning, see section 13.

## **SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapour. Concerning

personal protective equipment to use, see section 8.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the

product.

## 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool well ventilated place. Keep container closed

when not in use.

Incompatible products : Strong acids. Strong bases. Strong oxidizing agent.

Heat and ignition sources : Keep away from heat and direct sunlight.

## 7.3. Specific end use(s)

The A-component of a transparent coating for a self-leveling floor.

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

#### 8.1. Control parameters

#### 8.1.1. National occupational exposure and biological limit values

No additional information available

## 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

## 8.1.4. DNEL and PNEC

No additional information available

## 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

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#### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Gloves.

## Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

#### Eye protection:

Safety glasses. DIN EN 166

#### 8.2.2.2. Skin protection

#### Skin and body protection:

Long sleeved protective clothing. CEN: EN 340; EN 369; EN 465

## Hand protection:

Wear suitable gloves resistant to chemical penetration. Chemical resistant gloves (according to European standard NF EN 374 or equivalent)

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Gloves	Nitrile rubber (NBR), Butyl rubber, Polyvinylchloride (PVC)	6 (> 480 minutes)	>0.11		EN 374

## 8.2.2.3. Respiratory protection

## Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation

## 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

#### **Environmental exposure controls:**

Avoid release to the environment.

#### Other information:

Do not eat, drink or smoke during use. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

## **SECTION 9: Physical and chemical properties**

Physical state	: Liquid
Colour	: milky.
Appearance	: Transparent.
Odour	: Odourless.
Odour threshold	: Not available
Melting point	· Not available

9.1. Information on basic physical and chemical properties

Freezing point : Not available Boiling point : Not available Flammability : Not available Explosive limits : Not available Lower explosive limit (LEL) : Not available Upper explosive limit (UEL) : Not available : Not available Flash point : Not available Auto-ignition temperature Decomposition temperature : Not available : Not available рΗ

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Viscosity, kinematic : Not available Solubility : Not available Partition coefficient n-octanol/water (Log Kow) : Not available : Not available Vapour pressure Vapour pressure at 50 °C : Not available Density : Not available : Not available Relative density Relative vapour density at 20 °C : Not available Particle size : Not applicable Particle size distribution : Not applicable Particle shape : Not applicable : Not applicable Particle aspect ratio : Not applicable Particle aggregation state Particle agglomeration state : Not applicable Particle specific surface area : Not applicable Particle dustiness : Not applicable

#### 9.2. Other information

## 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

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

## 10.1. Reactivity

Stable under normal conditions of use.

#### 10.2. Chemical stability

Stable under normal conditions.

## 10.3. Possibility of hazardous reactions

No dangerous reactions known.

## 10.4. Conditions to avoid

Keep away from heat and direct sunlight.

#### 10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizing agent.

## 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## **SECTION 11: Toxicological information**

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

Acute toxicity (oral) : Not classified Acute toxicity (dermal) : Not classified : Not classified Acute toxicity (inhalation)

## reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-61 (3:1) (55965-84-9)

220 200 0] (0.17) (00000 0+ 0)		
LD50 oral rat	200 mg/kg	
LD50 dermal rabbit	87,12 mg/kg	
ATE oral	200 mg/kg bodyweight	
ATE dermal	87,12 mg/kg bodyweight	
ATE gases	100 ppmv/4h	
ATE vapours	0,5 mg/l/4h	
ATE dust/mist	0,05 mg/l/4h	

reaction mass of  $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -hydroxypoly(oxyethylene) and  $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-

hydroxyphenyl)propionyloxypoly(oxyethylene)

D50 oral rat	> 5000 mg/kg

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reaction mass of  $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -hydroxypoly(oxyethylene) and  $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)

LD50 dermal rat > 2000 mg/kg

Skin corrosion/irritation : Not classified Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

## 11.2. Information on other hazards

No additional information available

## **SECTION 12: Ecological information**

12.1. Toxicity

Hazardous to the aquatic environment, short-term : No

(acute)

Hazardous to the aquatic environment, long-term

(chronic)

: Not classified: Not classified

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) (55965-84-9)

LC50 - Fish [1]	0,19 mg/l (EPA OPP 72-1; Oncorhynchus mykiss)
EC50 - Crustacea [1]	0,16 mg/l (EPA OPP 72-2; Daphnia magna)
ErC50 algae	0,0199 mg/l (OECD 201; Skeletonema costatum)
NOEC chronic fish	≥ 0,0464 mg/l (OECD 210; Danio rerio)
NOEC chronic crustacea	0,0111 mg/l (OECD 211; Daphnia magna)
NOEC chronic algae	0,00049 mg/l (OECD 201; Skeletonema costatum)

reaction mass of  $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -hydroxypoly(oxyethylene) and  $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)

LC50 - Fish [1]	2,8 mg/l (OECD 203; Oncorhynchus mykiss)
EC50 - Crustacea [1]	4 mg/l (Daphnia magna)
ErC50 algae	> 100 mg/l (OECD 201; Pseudokirchneriella subcapitata)
NOEC chronic crustacea	0,23 mg/l (Daphnia magna)
NOEC chronic algae	3,2 mg/l (OECD 201; Pseudokirchneriella subcapitata)

## 12.2. Persistence and degradability

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) (55965-84-9)

Persistence and degradability Inherently biodegradable.

reaction mass of  $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -hydroxypoly(oxyethylene) and  $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)

Persistence and degradability Not readily biodegradable.

## 12.3. Bioaccumulative potential

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) (55965-84-9)

Partition coefficient n-octanol/water (Log Pow) -0,486

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reaction mass of  $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -hydroxypoly(oxyethylene) and  $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4hydroxyphenyl)propionyloxypoly(oxyethylene)

Partition coefficient n-octanol/water (Log Pow)

5,9 (25 °C; pH 7)

## 12.4. Mobility in soil

No additional information available

## 12.5. Results of PBT and vPvB assessment

## **Coating PU MG Matt A-component**

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

#### 12.6. Endocrine disrupting properties

No additional information available

#### 12.7. Other adverse effects

Additional information

: Avoid release to the environment.

## **SECTION 13: Disposal considerations**

## 13.1. Waste treatment methods

Product/Packaging disposal recommendations

Additional information

- : Dispose in a safe manner in accordance with local/national regulations.
- : Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.

Ecology - waste materials

: Avoid release to the environment.

European List of Waste (LoW) code

: 08 00 00 - WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS),

ADHESIVES, SEALANTS AND PRINTING INKS

## **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID		
14.1. UN number or ID n	14.1. UN number or ID number					
Not regulated	Not regulated	Not regulated	Not regulated Not regulated			
14.2. UN proper shippin	g name					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated		
14.3. Transport hazard of	14.3. Transport hazard class(es)					
Not regulated	Not regulated	Not regulated	Not regulated Not regulated			
14.4. Packing group	14.4. Packing group					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated		
14.5. Environmental hazards						
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated		
No supplementary information available						

## 14.6. Special precautions for user

#### **Overland transport**

Not regulated

## Transport by sea

Not regulated

#### Air transport

Not regulated

## Inland waterway transport

Not regulated

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#### Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

## 15.1.1. EU-Regulations

EU restriction list (	EU restriction list (REACH Annex XVII)			
Reference code	Applicable on	Entry title or description		
3(b)	Coating PU MG Matt A-component; reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H - isothiazol-3-one [EC no. 220-239-6] (3:1); reaction mass of α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and 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)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10		
3(c)	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1); reaction mass of $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -hydroxypoly(oxyethylene) and $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -hydroxyphenyl)propionyl- $\omega$ -yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1		

Contains no substance on the REACH candidate list ≥ 0,1 % / SCL

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

## 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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SECTION 16: O	ther information			
Indication of changes				
Section	ction Changed item		Comments	
	Supersedes	Added		
	Revision date	Added		
	Indication of changes	Added		
1.2	Use of the substance/mixture	Added	ided	
2.1	Adverse physicochemical, human health and environmental effects	Modified	odified	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Added		
2.2	Precautionary statements (CLP)	Added	ded	
2.2	Signal word (CLP)	Added	1	
2.2	Hazard pictograms (CLP)	Added	ed	
2.2	Hazard statements (CLP)	(CLP) Added		
3	Composition/information on ingredients	Composition/information on ingredients Modified		
4.2	Symptoms/effects after skin contact	Symptoms/effects after skin contact Added		
5.2	Hazardous decomposition products in case of fire Modified			
8.2	Personal protective equipment	Personal protective equipment Added		
8.2	Skin and body protection	Modified		
8.2	Respiratory protection	Modified	1odified	
9.1	Colour	Modified	Modified	
9.1	Appearance	Added		
10.6	Hazardous decomposition products	Modified		
15.1	REACH Annex XVII Added			
16	Data sources	Modified		

Abbreviations and acronyms			
SDS	Safety Data Sheet		
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008		
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006		
PBT	Persistent Bioaccumulative Toxic		
vPvB	Very Persistent and Very Bioaccumulative		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways		
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road		
IATA	International Air Transport Association		
IMDG	International Maritime Dangerous Goods		
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail		
LC50	Median lethal concentration		
LD50	Median lethal dose		
CAS	CAS (Chemical Abstracts Service) number		
EG-nr	EINECS- en ELINCS-number		
EINECS	European Inventory of Existing Commercial Substances		
OEL	Occupational Exposure Limit		

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Data sources

Other information

: according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878.

: REACH Disclaimer:

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Full text of H- and EUH-statements				
Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2			
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2			
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3			
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1			
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1			
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2			
Eye Dam. 1	Serious eye damage/eye irritation, Category 1			
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2			
H301	Toxic if swallowed.			
H310	Fatal in contact with skin.			
H314	Causes severe skin burns and eye damage.			
H315	Causes skin irritation.			
H317	May cause an allergic skin reaction.			
H318	Causes serious eye damage.			
H319	Causes serious eye irritation.			
H330	Fatal if inhaled.			
H400	Very toxic to aquatic life.			
H410	Very toxic to aquatic life with long lasting effects.			
H411	Toxic to aquatic life with long lasting effects.			
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C			
Skin Irrit. 2	Skin corrosion/irritation, Category 2			
Skin Sens. 1	Skin sensitisation, Category 1			
Skin Sens. 1A	Skin sensitisation, category 1A			

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]				
Skin Sens. 1	H317	Calculation method		

Safety Data Sheet applicable for regions : GB - United Kingdom

The classification complies with : ATP 12

This Safety Data Sheet is compiled by: ChemPros B.V. | +31(0)797676006 | info@chemprosbv.nl

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