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

#### 1.1. Product identifier

Productname	Kelfort ® Acrylkit Zwart
Article number	1516283
Producttype	Mixture
Regulation	(EC) No. 1907/2006 and (EC) No. 1272/2008

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

Recommended use	Sealant
Uses advised against	Not to be used in production of toys or childcare articles

### 1.3 Details of the supplier of the safety data sheet

**Distributeur** Ferney Group BV Postbus 24 1700 AA Heerhugowaard – The Netherlands T +31 (0)72-5765000 - F +31 (0)72-5765010 bedrijfsbureau@ferneygroup.nl - www.ferney.nl

## 1.4 Emergency telephone number

Noodtelefoon: +49(0)9366-907126 (ma-do 7.15-18.00 hour) or

: +31(0)88-7558000 (after worktime, exclusive use for doctors, pharmacists and government

institutions)

Country	Organisation/ Company	Address	Emergency number	Comments
The Netherlands	National Poisons Information Center	House post number B.00.118 PO Box 85500 3508 GA Utrecht	+31 88 755 80 00	For the sole purpose of informing healthcare professionals in the event of acute poisoning

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## SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

#### 2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

#### Signal word

None

#### **Hazard statements**

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

#### **EU Specific Hazard Statements**

EUH208 - Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT] & 1,2-benzisothiazol-3(2H)-one [BIT]. May produce an allergic reaction EUH210 - Safety data sheet available on request

#### 2.3. Other hazards

No information available.

#### PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

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## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Chemical name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH registration number
Carbon black	215-609-9	1333-86-4	1- <2.5	[C]	•	01-2119384822- 32-XXXX
Ethylene glycol	203-473-3	107-21-1	0.1 - <1	STOT RE 2 (H373) Acute Tox. 4 (H302)	•	01-2119456816- 28-XXXX
Sodium hydroxide	215-185-5	1310-73-2	0.1 - <1	Skin Corr. 1A (H314) Eye Dam. 1 (H318) Met. Corr. 1 (H290)	Eye Irrit. 2 :: 0.5%<=C<2% Eye Dam. 1 :: C>=2% Skin Corr. 1A :: C>=5% Skin Corr. 1B :: 2%<=C<5% Skin Irrit. 2 :: 0.5%<=C<2%	01-2119457892- 27-XXXX
1,2-benzisothiazol-3(2H) -one [BIT]	220-120-9	2634-33-5	0.0015 - <0.01	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Acute Tox. 2 (H330) Aquatic Chronic 2 (H411)	Skin Sens. 1 :: C>=0.05%	01-2120761540- 60-XXXX
reaction mass of 5-chloro-2-methyl-2H-iso thiazol-3-one and 2-methyl-2H-isothiazol-3 -one (3:1) [C(M)IT/MIT]	611-341-5	55965-84-9	<0.0015	Acute Tox. 3 (H301) Acute Tox. 2 (H310) Acute Tox. 2 (H330) Skin Corr. 1C (H314) Eye Dam. 1	Eye Dam. 1 ::  C>=0.6% Eye Irrit. 2 ::  0.06%<=C<0.6%  Skin Corr. 1C ::  C>=0.6%  Skin Irrit. 2 ::  0.06%<=C<0.6%  Skin Sens. 1 ::  C>=0.0015%	01-2120764691- 48-XXXX

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	(H318) Skin Sens. 1A	
	(H317) Aquatic Acute 1 (H400)	
	Aquatic Chronic 1 (H410)	

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

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

#### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

If medical advice is needed, have product container or label at hand. General advice

Inhalation IF exposed or concerned: Get medical advice/attention. Remove to fresh air.

Eye contact Consult an ophthalmologist.

Skin contact In the case of skin irritation or allergic reactions see a doctor. Wash skin with soap and

Ingestion If swallowed, rinse mouth with water (only if the person is conscious).

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

No information available. Symptoms

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

Note to doctors Treat symptomatically.

### SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the

surrounding environment.

Unsuitable extinguishing media No information available.

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

Specific hazards arising from the

No information available.

chemical

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO2).

#### 5.3. Advice for firefighters

precautions for fire-fighters

Special protective equipment and Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

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### SECTION 6: Accidental release measures

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

Personal precautions Ensure adequate ventilation.

Other information Prevent further leakage or spillage if safe to do so.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Do not scatter spilled material with high pressure water streams.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

#### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Advice on safe handling Use personal protective equipment as required.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

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

Storage Conditions Protect from frost. Keep from freezing.

Recommended storage

temperature

Do not freeze. Keep at temperatures between 5 and 35 °C.

#### 7.3. Specific end use(s)

Specific use(s)

Sealant

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Other information Observe technical data sheet.

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## SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

**Exposure Limits** 

This product contains titanium dioxide in a non-respirable form. Inhalation of titanium dioxide is unlikely to occur from exposure to this product

Chemical name	European Union	United Kingdom
Carbon black	-	TWA: 3.5 mg/m <sup>3</sup>
1333-86-4		STEL: 7 mg/m <sup>3</sup>
Ethylene glycol	TWA: 20 ppm	TWA: 10 mg/m <sup>3</sup>
107-21-1	TWA: 52 mg/m <sup>3</sup>	TWA: 20 ppm
	STEL: 40 ppm	TWA: 52 mg/m <sup>3</sup>
	STEL: 104 mg/m <sup>3</sup>	STEL: 40 ppm
		STEL: 104 mg/m <sup>3</sup>
		STEL: 30 mg/m <sup>3</sup>
		Sk*
Sodium hydroxide	-	STEL: 2 mg/m <sup>3</sup>
1310-73-2		

Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DNEL)				
Carbon black (1333-86-4)				
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor	
worker Long term Systemic health effects	Inhalation	2 mg/m³		
worker Long term Local health effects	Inhalation	2 mg/m³		

Ethylene glycol (107-21-1)			
Туре		Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Dermal	106 mg/kg bw/d	
worker Long term Systemic health effects	Inhalation	35 mg/m³	

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1,2-benzisothiazol-3(2H)-one [BIT] (2634-33-5)			
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	6.81 mg/m³	
worker Long term Systemic health effects	Dermal	0.966 mg/kg bw/d	

Derived No Effect Level (DNEL)			
Ethylene glycol (107-21-1)	Ethylene glycol (107-21-1)		
Туре	Exposure route	Derived No Effect Level	Safety factor
		(DNEL)	
Consumer	Dermal	53 mg/kg bw/d	
Long term	1		
Systemic health effects			
Consumer	Inhalation	7 mg/m³	
Long term	1		
Local health effects			

1,2-benzisothiazol-3(2H)-one [BIT] (2634-33-5)			
Туре	Exposure route	Derived No Effect Level	Safety factor
		(DNEL)	
Consumer	Inhalation	1.2 mg/m³	
Long term			
Systemic health effects			
Consumer	Dermal	0.345 mg/kg bw/d	
Long term			
Systemic health effects			

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Predicted No Effect Concentration No information available. (PNEC)

Predicted No Effect Concentration (PNEC)	
Carbon black (1333-86-4)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	5 mg/l
Marine water	5 mg/l

Ethylene glycol (107-21-1)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	10 mg/l
Marine water	1 mg/l
Freshwater sediment	37 mg/kg dry weight
Marine sediment	3.7 mg/kg dry weight
Soil	1.53 mg/kg dry weight
Microorganisms in sewage treatment	199.5 mg/l

1,2-benzisothiazol-3(2H)-one [BIT] (2634-33-5)		
Environmental compartment	Predicted No Effect Concentration (PNEC)	
Freshwater	4.03 μg/l	
Marine water	0.403 µg/l	
Sewage treatment plant	1.03 mg/l	
Freshwater sediment	49.9 μg/l	
Marine sediment	4.99 μg/l	
Soil	3 mg/kg dry weight	

### 8.2. Exposure controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection Hand protection Tight sealing safety goggles. Eye protection must conform to standard EN 166. Wear suitable gloves. Recommended Use:. Butyl rubber. Glove thickness > 0.35 mm. Nitrile rubber. Glove thickness > 0.4 mm. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The breakthrough time for the mentioned glove material is in general

greater than 60 min. Gloves must conform to standard EN 374

Skin and body protection Respiratory protection Suitable protective clothing.

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Environmental exposure controls No information available.

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### SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Solid Paste Appearance

Colour See section 1 for more information

Characteristic. Odour

Odour threshold No information available

Property Values Remarks • Method

Melting point / freezing point = 0 °C = 100 °C Initial boiling point and boiling

range

Flammability No data available None known Flammability Limit in Air None known

Upper flammability or explosive No data available

Lower flammability or explosive No data available

limits

Flash point No data available None known Autoignition temperature No data available None known Decomposition temperature None known

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pH (as aqueous solution) No data available None known

Kinematic viscosity > 21 mm<sup>2</sup>/s Dynamic viscosity No data available Water solubility Soluble in water.

Solubility(ies) No data available None known Partition coefficient No data available None known No data available None known Vapour pressure No data available Relative density None known

No data available **Bulk Density** 

1.71 Density

Relative vapour density No data available None known

Particle characteristics

Particle Size No information available No information available Particle Size Distribution

9.2. Other information

Solid content (%) No information available

No data available VOC Content (%)

9.2.1. Information with regards to physical hazard classes

Not applicable

9.2.2. Other safety characteristics

No information available

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## SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

**Explosion data** 

Sensitivity to mechanical No

None.

impact

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Protect from frost. Do not freeze.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition

None under normal use conditions. Stable under recommended storage conditions.

products

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### SECTION 11: Toxicological information

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

#### Information on likely routes of exposure

**Product Information** 

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

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

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

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

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Acute toxicity

Numerical measures of toxicity

### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Carbon black	LD50 > 8000 mg/kg (Rattus)	> 3 g/kg (Oryctolagus	> 4.6 mg/m <sup>3</sup> (Rat) 4 h
	OECD 401	cuniculus)	
Ethylene glycol	ATE 500 mg/kg	= 10600 mg/kg (Rattus) =	> 2.5 mg/L (Rat) 6 h
		9530 µL/kg (Oryctolagus cuniculus)	
Sodium hydroxide	=325 mg/kg (Rattus)	= 1350 mg/kg (Oryctolagus	_
Codium nydroxide	-020 mg/kg (Nattus)	cuniculus)	
1,2-benzisothiazol-3(2H)-one [BIT]	=670 mg/kg (Rattus)	LD50 > 2000 mg/kg (Rattus)	ATE = 0.25 mg/L
reaction mass of	-	LD50 = 87.12 mg/kg	= 0.33 mg/L (Rat) 4h
5-chloro-2-methyl-2H-isothiazo		(Oryctolagus cuniculus)	
I-3-one and			
2-methyl-2H-isothiazol-3-one			
(3:1) [C(M)IT/MIT]			

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

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

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

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

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposure Based on available data, the classification criteria are not met.

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

#### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

**Endocrine disrupting properties** 

11.2.2. Other information

Other adverse effects No information available.

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## SECTION 12: Ecological information

#### 12.1. Toxicity

#### **Ecotoxicity**

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
Carbon black 1333-86-4	>10000 mg/l (Desmodesmus subspicatus) OECD 202	>1000 mg/l (Brachydanio rerio) OCDE 203	,	EC50: >5600mg/L (24h, Daphnia magna)		
Ethylene glycol 107-21-1	EC50: 6500 - 13000mg/L (96h, Pseudokirchneri ella subcapitata)		EC50 = 10000 mg/L 16 h EC50 = 620 mg/L 30 min EC50 = 620.0 mg/L 30 min	EC50: =46300mg/L (48h, Daphnia magna)		
Sodium hydroxide 1310-73-2	,	LC50: =45.4mg/L (96h, Oncorhynchus mykiss)	1	•		
1,2-benzisothiazol-3(2 H)-one [BIT] 2634-33-5	EC50 3Hr 13mg/l (activated sludge) (OECD 209)	LC50 (96hr) 2.15 mg/l Cyprinodon variegatus EPA 540/9-85-006		EC50(48hr) 2.94 mg/l (Daphnia Magna) OECD 202	1	
reaction mass of 5-chloro-2-methyl-2H-is othiazol-3-one and 2-methyl-2H-isothiazol- 3-one (3:1) [C(M)IT/MIT] 55965-84-9	(Pseudokirchner	V	-	EC50 (48h) =0.1 mg/L (Daphnia magna) (OECD 202)	100	100

### 12.2. Persistence and degradability

Persistence and degradability No information available.

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT] (55965-84-9)

Method	Exposure time	Value	Results
OECD Test No. 301B: Ready	28 days	biodegradation	Not readily biodegradable
Biodegradability: CO2 Evolution Test			
(TG 301 B)			

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#### 12.3. Bioaccumulative potential

#### Bioaccumulation

Component Information

Component information	
Chemical name	Partition coefficient
Ethylene glycol	-1.36
1,2-benzisothiazol-3(2H)-one [BIT]	0.7
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and	0.7
2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT]	

#### 12.4. Mobility in soil

Mobility in soil No information available.

#### 12.5. Results of PBT and vPvB assessment

#### PBT and vPvB assessment

Chemical name	PBT and vPvB assessment
Carbon black	The substance is not PBT / vPvB PBT assessment does
	not apply
Ethylene glycol	The substance is not PBT / vPvB PBT assessment does
	not apply
Sodium hydroxide	The substance is not PBT / vPvB PBT assessment does
	not apply
1,2-benzisothiazol-3(2H)-one [BIT]	The substance is not PBT / vPvB
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and	The substance is not PBT / vPvB
2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT]	

#### 12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

#### 12.7. Other adverse effects

No information available.

### SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste from residues/unused

products

Dispose of contents/container in accordance with local, regional, national, and

international regulations as applicable.

Contaminated packaging Handle contaminated packages in the same way as the product itself.

European Waste Catalogue 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

15 01 02 plastic packaging

Other information Waste codes should be assigned by the user based on the application for which the

product was used.

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### SECTION 14: Transport information

Keep from freezing. Note:

#### Land transport (ADR/RID)

Not regulated 14.1 UN number or ID number Not regulated 14.2 Proper Shipping Name 14.3 Transport hazard class(es) Not regulated 14.4 Packing group Not regulated 14.5 Environmental hazards Not applicable

14.6 Special Provisions

#### **IMDG**

14.1 UN number or ID number Not regulated 14.2 Proper Shipping Name Not regulated Not regulated 14.3 Transport hazard class(es) Not regulated 14.4 Packing group

14.5 Marine pollutant 14.6 Special Provisions None

14.7 Maritime transport in bulk Not applicable

according to IMO instruments

#### Air transport (ICAO-TI / IATA-DGR)

14.1 UN number or ID number Not regulated 14.2 Proper Shipping Name Not regulated Not regulated 14.3 Transport hazard class(es) 14.4 Packing group Not regulated 14.5 Environmental hazards Not applicable

14.6 Special Provisions None

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#### Section 15: REGULATORY INFORMATION

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

**European Union** 

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACh) Regulation (EC 1907/2006)

#### SVHC: Substances of Very High Concern for Authorisation:

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

#### EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

#### Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

#### Biocidal Products Regulation (EU) No 528/2012 (BPR)

Contains a biocide: Contains C(M)IT/MIT (3:1). May produce an allergic reaction

#### Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

#### Persistent Organic Pollutants

Not applicable

#### National regulations

#### 15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture

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#### SECTION 16: Other information

#### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Full text of H-Statements referred to under section 3

H301 - Toxic if swallowed

H302 - Harmful 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

H330 - Fatal if inhaled

H373 - May cause damage to organs through prolonged or repeated exposure

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

Legend

TWA TWA (time-weighted average)
STEL STEL (Short Term Exposure Limit)

Ceiling Ceiling Limit Value

\* Skin designation

SVHC Substance(s) of Very High Concern

PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals vPvB Very Persistent and very Bioaccumulative (vPvB) Chemicals

STOT RE Specific target organ toxicity - Repeated exposure STOT SE Specific target organ toxicity - Single exposure

EWC European Waste Catalogue

ADR European Agreement concerning the International Carriage of Dangerous Goods by

Road

IMDG International Maritime Dangerous Goods (IMDG)
IATA International Air Transport Association (IATA)

RID Regulations concerning the International Transport of Dangerous Goods by Rail

#### Key literature references and sources for data

No information available

Prepared By Product Safety & Regulatory Affairs

Revision date 22-Jul-2022

Indication of changes

Revision note Not applicable.

Training Advice No information available

Further information No information available

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.