

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

**BOSTIK FP401 ACRYLIC WHITE Supercedes Date:** 10-Mar-2021

Revision date 22-Jul-2022 Revision Number 1.02

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

1.1. Product identifier

Product Name BOSTIK FP401 ACRYLIC WHITE

Pure substance/mixture Mixture

### 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

#### **Company Name**

Bostik Limited Common Rd ST16 3EH Stafford UK

Tel: +44 (1785) 27 26 25 Fax: +44 (1785) 25 72 36

E-mail address SDS.box-EU@bostik.com

### 1.4. Emergency telephone number

**United Kingdom** +44 (1785) 272650

Ireland NPIC - National Poison Information Centre

Members of the Public: +353 (01) 8092166 (8.00 am to 10.00 pm - 7 days a week)

Healthcare Professionals: +353 (01) 8092566 (24 hour service)

Europe 112

# **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

United Kingdom - BE Page 1 / 12

Revision date 22-Jul-2022

Supercedes Date: 10-Mar-2021 Revision Number 1.02

EUH210 - Safety data sheet available on request

**BOSTIK FP401 ACRYLIC WHITE** 

# 2.3. Other hazards

Small amounts of ethanol (CAS 64-17-5) are formed by hydrolysis and released upon curing.

#### 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).

# 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
Ethylene glycol	203-473-3	107-21-1	0.1 - <1	STOT RE 2 (H373) Acute Tox. 4 (H302)	-	01-2119456816- 28-XXXX
1,2-benzisothiazol-3(2H) -one [BIT]	220-120-9	2634-33-5	0.01 - <0.05	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 (H318) Skin Sens. 1A (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	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

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

United Kingdom - BE Page 2 / 12

Supercedes Date: 10-Mar-2021 Revision Number 1.02

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**

**BOSTIK FP401 ACRYLIC WHITE** 

#### 4.1. Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance. If medical advice is needed,

have product container or label at hand.

Inhalation Remove to fresh air. If symptoms persist, call a doctor.

Eye contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses

and continue flushing for at least 15 minutes. Consult an ophthalmologist.

Revision date 22-Jul-2022

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

Ingestion Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with

water. Drink 1 or 2 glasses of water. Do NOT induce vomiting.

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

None known. **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 Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam.

Full water jet. Unsuitable extinguishing media

# 5.2. Special hazards arising from the substance or mixture

chemical

**Specific hazards arising from the** Thermal decomposition can lead to release of irritating gases and vapours.

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

5.3. Advice for firefighters

precautions for fire-fighters

**Special protective equipment and** Wear self contained breathing apparatus for fire fighting if necessary.

#### SECTION 6: Accidental release measures

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

Personal precautions Do not get in eyes, on skin, or on clothing. Use personal protective equipment as

required. Ensure adequate ventilation.

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

Use personal protection recommended in Section 8. For emergency responders

United Kingdom - BE Page 3 / 12

Revision date 22-Jul-2022

Revision Number 1.02

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# 6.2. Environmental precautions

**BOSTIK FP401 ACRYLIC WHITE** 

Supercedes Date: 10-Mar-2021

Environmental precautions Prevent product from entering drains. Do not allow to enter into soil/subsoil. 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 Do not eat, drink or smoke when using this product. Wash hands before breaks and after

work. Take off all contaminated clothing and wash it before reuse.

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

Storage Conditions Protect from moisture. Keep away from food, drink and animal feedingstuffs.

Recommended storage

temperature

Keep at temperatures between 10 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.

# SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Exposure Limits** Small amounts of ethanol (CAS 64-17-5) are formed by hydrolysis and released upon curing

Chemical name	European Union	United Kingdom
Aluminum hydroxide (Al(OH)3)	-	TWA: 10 mg/m <sup>3</sup>
21645-51-2		TWA: 4 mg/m <sup>3</sup>
		STEL: 30 mg/m <sup>3</sup>
		STEL: 12 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>
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United Kingdom - BE Page 4 / 12

**BOSTIK FP401 ACRYLIC WHITE Supercedes Date:** 10-Mar-2021

Revision date 22-Jul-2022 Revision Number 1.02

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Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DN	EL)		
Ethylene glycol (107-21-1)			
Туре	Exposure route	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	

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 (DNEL)	Safety factor		
Consumer Long term Systemic health effects	Dermal	53 mg/kg bw/d			
Consumer Long term Local health effects	Inhalation	7 mg/m³			

1,2-benzisothiazol-3(2H)-one [BIT] (2634-33-5)					
Туре	Exposure route		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					

# **Predicted No Effect Concentration** No information available. **(PNEC)**

Predicted No Effect Concentration (PNEC)				
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

United Kingdom - BE Page 5 / 12

**BOSTIK FP401 ACRYLIC WHITE** Revision date 22-Jul-2022 Supercedes Date: 10-Mar-2021 Revision Number 1.02

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 Wear safety glasses with side shields (or goggles). Eye protection must conform to

standard EN 166.

Wear suitable gloves. Recommended Use:. Neoprene™. Nitrile rubber. Butyl rubber. Hand protection

Glove thickness > 0.7mm. The breakthrough time for the mentioned glove material is in general greater than 480 min. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific

gloves. Gloves must conform to standard EN 374

Skin and body protection Respiratory protection

None under normal use conditions. In case of inadequate ventilation wear respiratory protection. Wear a respirator

conforming to EN 140 with Type A/P2 filter or better. Ensure adequate ventilation,

especially in confined areas.

Recommended filter type: Organic gases and vapours filter conforming to EN 14387. White. Brown.

Environmental exposure controls Do not allow uncontrolled discharge of product into the environment.

# SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Solid **Appearance** Paste Colour White Characteristic. Odour

No information available **Odour threshold** 

<u>Values</u> Remarks • Method Property

Melting point / freezing point 0 °C None known

100 °C Initial boiling point and boiling

range

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

Upper flammability or explosive No data available

Lower flammability or explosive No data available

limits

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

pН Not applicable. Insoluble in water.

pH (as aqueous solution) No data available None known None known Kinematic viscosity  $> 21 \text{ mm}^2/\text{s}$ 

**Dynamic viscosity** No data available

Water solubility No data available. Miscible in water.

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

**Bulk Density** No data available

**Density** 

Relative vapour density No data available None known

**Particle characteristics** 

No information available **Particle Size Particle Size Distribution** No information available

United Kingdom - BE Page 6/12

Revision date 22-Jul-2022

Revision Number 1.02

9.2. Other information

Solid content (%) No information available

VOC Content (%) No data available

9.2.1. Information with regards to physical hazard classes

Not applicable

9.2.2. Other safety characteristics

**BOSTIK FP401 ACRYLIC WHITE** 

Supercedes Date: 10-Mar-2021

No information available

# SECTION 10: Stability and reactivity

10.1. Reactivity

**Reactivity** Product cures with moisture.

10.2. Chemical stability

**Stability** Stable under normal conditions.

**Explosion data** 

Sensitivity to mechanical

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 moisture. Exposure to air or moisture over prolonged periods. Do not freeze.

Keep away from open flames, hot surfaces and sources of ignition.

10.5. Incompatible materials

Incompatible materials Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition

products

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

# 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

United Kingdom - BE Page 7 / 12

Revision date 22-Jul-2022

Supercedes Date: 10-Mar-2021 Revision Number 1.02

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**Symptoms** No information available.

Acute toxicity

**Numerical measures of toxicity** 

**BOSTIK FP401 ACRYLIC WHITE** 

The following values are calculated based on chapter 3.1 of the GHS document

# **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ethylene glycol	ATE 500 mg/kg	= 10600 mg/kg (Rattus) = 9530 µL/kg (Oryctolagus cuniculus)	> 2.5 mg/L (Rat)6 h
1,2-benzisothiazol-3(2H)-one [BIT]	=670 mg/kg (Rattus)	LD50 > 2000 mg/kg (Rattus)	ATE = 0.25 mg/L
reaction mass of 5-chloro-2-methyl-2H-isothiazo I-3-one and 2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT]	<u>-</u>	LD50 = 87.12 mg/kg (Oryctolagus cuniculus)	= 0.33 mg/L (Rat) 4h

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.

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 No information available.

United Kingdom - BE Page 8 / 12

Revision date 22-Jul-2022

Supercedes Date: 10-Mar-2021 Revision Number 1.02

### 11.2.2. Other information

**BOSTIK FP401 ACRYLIC WHITE** 

Other adverse effects No information available.

# **SECTION 12: Ecological information**

#### **12.1. Toxicity**

### **Ecotoxicity**

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
Ethylene glycol 107-21-1	EC50: 6500 - 13000mg/L (96h, Pseudokirchneri		EC50 = 10000 mg/L 16 h EC50 = 620	EC50: =46300mg/L (48h, Daphnia magna)		(long toll)
1,2-benzisothiazol-3(2 H)-one [BIT] 2634-33-5	EC50 3Hr 13mg/l (activated sludge) (OECD 209)	O 7.		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		-	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 Tes	t		
(TG 301 B)			

# 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** The product does not contain any substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
Ethylene glycol	The substance is not PBT / vPvB PBT assessment does
	not apply

United Kingdom - BE Page 9 / 12

**BOSTIK FP401 ACRYLIC WHITE Supercedes Date:** 10-Mar-2021

Revision date 22-Jul-2022 Revision Number 1.02

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

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

product was used.

# **SECTION 14: Transport information**

Note: Keep from freezing.

Land transport (ADR/RID)

14.1UN number or ID numberNot regulated14.2Proper Shipping NameNot regulated14.3Transport hazard class(es)Not regulated14.4Packing groupNot regulated14.5Environmental hazardsNot applicable14.6Special ProvisionsNone

**IMDG** 

14.1 UN number or ID numberNot regulated14.2 Proper Shipping NameNot regulated14.3 Transport hazard class(es)Not regulated14.4 Packing groupNot regulated14.5 Marine pollutantNP

14.5 Marine pollutantNP14.6 Special ProvisionsNone

**14.7 Maritime transport in bulk** Not applicable

according to IMO instruments

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

14.1 UN number or ID numberNot regulated14.2 Proper Shipping NameNot regulated14.3 Transport hazard class(es)Not regulated14.4 Packing groupNot regulated14.5 Environmental hazardsNot applicable14.6 Special ProvisionsNone

# **Section 15: REGULATORY INFORMATION**

United Kingdom - BE Page 10 / 12

**BOSTIK FP401 ACRYLIC WHITE Supercedes Date:** 10-Mar-2021

Revision date 22-Jul-2022 Revision Number 1.02

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

#### **European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

#### 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

# **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

United Kingdom - BE Page 11 / 12

Revision date 22-Jul-2022

Supercedes Date: 10-Mar-2021 Revision Number 1.02

H400 - Very toxic to aquatic life

**BOSTIK FP401 ACRYLIC WHITE** 

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 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** SDS sections updated, 2, 3, 4, 5, 6, 7, 8, 15.

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

#### **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet** 

United Kingdom - BE Page 12 / 12