

This safety data sheet was created pursuant to the requirements of: REACH Regulation (EC) No 1907/2006, as retained in UK law by (SI 2019/758 as amended)

BOSTIK SHOWERPROOF Supercedes date 23-Feb-2023 Revision date 18-Jul-2024 Revision Number 2

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

1.1. Product identifier

Product Name BOSTIK SHOWERPROOF

Pure substance/mixture Mixture

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

Recommended use Adhesives and/or sealants

Uses advised against None known

## 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 Bostik: +44 (1785) 272650 (9am to 5pm Mon-Fri)

NHS: 111

## **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

GB CLP (SI 2020/1567 as amended)

Skin sensitisation Category 1 - (H317)

## 2.2. Label elements

Contains 1,2-benzisothiazol-3(2H)-one [BIT]; 2-methyl-2H-isothiazol-3-one [MIT]



Signal word Warning

## Hazard statements

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H317 - May cause an allergic skin reaction.

## Precautionary Statements - EU (§28, 1272/2008)

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P261 - Avoid breathing vapours

P280 - Wear protective gloves and eye/face protection

P302 + P352 - IF ON SKIN: Wash with plenty of water and soap

P501 - Dispose of contents/ container to an approved waste disposal plant

#### 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).

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

#### 3.1 Substances

Not applicable

#### 3.2 Mixtures

Chemical name	EC No (EU	CAS No	Classification	Specific	M-Factor	M-Factor	REACH
	Index No).		according to	concentration limit		(long-ter	registration
			Regulation (EC) No.	(SCL)		m)	number
			1272/2008 [CLP]	,		,	
2-methyl-2H-isothiazol-3-	220-239-6	2682-20-4	Skin Corr. 1B (H314)	Skin Sens. 1A ::	10	1	01-2120764690-
one [MIT]	(613-326-00-		Eye Dam. 1 (H318)	C>=0.0015%			50-xxxx
0.0025 - <0.01 %	9)		Skin Sens. 1A (H317)				
			Acute Tox. 3 (H301)				
			Acute Tox. 3 (H311)				
			Acute Tox. 2 (H330)				
			Aquatic Acute 1 (H400)				
			Aquatic Chronic 1				
			(H410)				
			(EUH071)				
1,2-benzisothiazol-3(2H)	220-120-9	2634-33-5	Acute Tox. 4 (H302)	Skin Sens. 1A ::	1	1	01-2120761540-
-one [BIT]	(613-088-00-		Acute Tox. 2 (H330)	C>=0.036%			60-XXXX
0.0025 - <0.01 %	6)		Skin Irrit. 2 (H315)				
			Eye Dam. 1 (H318)				
			Skin Sens. 1A (H317)				
			Aquatic Acute 1 (H400)				
			Aquatic Chronic 1 (H410)				
reaction mass of	611-341-5	55965-84-9	Acute Tox. 3 (H301)	Eye Dam. 1 ::	100	100	-
5-chloro-2-methyl-2H-iso			Acute Tox. 2 (H310)	C>=0.6% Eye Irrit. 2 ::			
thiazol-3-one and			Acute Tox. 2 (H330)	0.06%<=C<0.6%			
2-methyl-2H-isothiazol-3-			Skin Corr. 1C (H314)	Skin Corr. 1C::			
one (3:1) [C(M)IT/MIT]			Eye Dam. 1 (H318)	C>=0.6%			
<0.0015 %			Skin Sens. 1A (H317)	Skin Irrit. 2 ::			
			Aquatic Acute 1 (H400)	0.06%<=C<0.6%			
			Aquatic Chronic 1	Skin Sens. 1 ::			
			(H410)	C>=0.0015%			
			(EUH071)				

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

**Acute Toxicity Estimate** 

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value

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from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	EC No (EU Index No)	CAS No.	Oral LD50 mg/kg	Dermal LD50 mg/kg		Inhalation LC50 - 4 hour - vapour - mg/L	
2-methyl-2H-isothiazol- 3-one [MIT]	220-239-6 (613-326-00-9)	2682-20-4	285	243	0.11	-	-
1,2-benzisothiazol-3(2 H)-one [BIT]	220-120-9 (613-088-00-6)	2634-33-5	450	-	=0.21 mg/L (ATE dust/mist)	0.21+	0.21+
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	66	141	0.17	-	-

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

#### **Notes**

See section 16 for more information

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

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

#### 4.1. Description of first aid measures

**General advice** Show this safety data sheet to the doctor in attendance.

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

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper

eyelids. Consult a doctor.

**Skin contact**Wash with soap and water. May cause an allergic skin reaction. In the case of skin

irritation or allergic reactions see a doctor.

Ingestion Clean mouth with water. Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never

give anything by mouth to an unconscious person.

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

Symptoms Itching. Rashes. Hives.

Effects of Exposure No information available.

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

**Note to doctors** May cause sensitisation in susceptible persons. Treat symptomatically.

## **SECTION 5: Firefighting measures**

## 5.1. Extinguishing media

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surrounding environment.

Unsuitable extinguishing media Full water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical

Product is or contains a sensitiser. May cause sensitisation by skin contact.

Hazardous combustion products Sulphur oxides.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters

Special protective equipment and Firefighters should wear self-contained breathing apparatus and full firefighting turnout

gear. Use personal protection equipment.

#### SECTION 6: Accidental release measures

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

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal

protective equipment as required. Evacuate personnel to safe areas. Keep people away

from and upwind of spill/leak.

**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** Prevent further leakage or spillage if safe to do so.

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 Handle in accordance with good industrial hygiene and safety practice. Avoid contact

with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product.

Take off contaminated clothing and wash it before reuse.

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

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from

freezing

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

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temperature

7.3. Specific end use(s)

Specific use(s)

Adhesives and/or sealants.

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** 

Derived No Effect Level (DNEL) No information available

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

# Predicted No Effect Concentration (PNEC)

Predicted No Effect Concentration (PNEC)				
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.

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Personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Avoid contact with eyes. Eye

protection must conform to standard EN 166.

Wear protective gloves. Gloves must conform to standard EN 374. Ensure that the Hand protection

breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The breakthrough time of the gloves depends on the material and the thickness as well as the temperature. Gloves should be

replaced regularly and if there is any sign of damage to the glove material.

Skin and body protection Wear protective gloves and protective clothing. Avoid contact with skin, eyes or clothing. Respiratory protection

During spraying wear suitable respiratory equipment.

Environmental exposure controls No information available.

## SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid Paste **Appearance** Colour Off-white Odour Characteristic.

Values Remarks • Method Property

Melting point / freezing point No data available None known Initial boiling point and boiling No data available None known

range

Flammability No data available

Flammability Limit in Air None known

Upper flammability or explosive No data available

limits

Lower flammability or explosive No data available

limits

No data available None known Flash point Autoignition temperature No data available None known **Decomposition temperature** None known = 7.0None known.

No data available None known pH (as aqueous solution) Kinematic viscosity No data available None known

**Dynamic viscosity** 21000 - 27000 mPa s

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

**Bulk density** No data available Density 1.53 g/cm<sup>3</sup>

Relative vapour density No data available None known

Particle characteristics

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

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

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

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 Do not freeze.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

**Hazardous decomposition** 

products

Carbon monoxide. Carbon dioxide (CO2). Hydrocarbons.

## **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** May cause sensitisation by skin contact. Specific test data for the substance or mixture is

not available. Repeated or prolonged skin contact may cause allergic reactions with

susceptible persons. (based on components).

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

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Itching. Rashes. Hives.

Acute toxicity

**Numerical measures of toxicity** 

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

ATEmix (oral) >2000 mg/kg

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ATEmix (dermal) >2000 mg/kg
ATEmix (inhalation-gas) >20000 ppm
ATEmix (inhalation-dust/mist) >5 mg/l
ATEmix (inhalation-vapour) >20 mg/l

#### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
2-methyl-2H-isothiazol-3-one [MIT]	LD50 =285 mg/Kg (Rattus)	LD50 >242 mg/Kg (Rattus)	=0.11 mg/L (Rattus) 4 h
1,2-benzisothiazol-3(2H)-one [BIT]	=450 mg/kg (ATE)	LD50 > 2000 mg/kg (Rattus)	-
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]	66 mg/kg (Rat)	LD50 = 8141 mg/kg (Rat) OECD 402	= 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** May cause an allergic skin reaction.

**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.

11.2.2. Other information

Other adverse effects No information available.

## **SECTION 12: Ecological information**

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### 12.1. Toxicity

#### **Ecotoxicity**

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
2-methyl-2H-isothiazol- 3-one [MIT] 2682-20-4	EC50 (72hr) 0.157 mg/l (Pseudokirchner iella subcapitata) (OECD 201)	, ,	1	EC50 (48hr) 1.68 mg/l (Daphnia) (OECD 202)	10	1
1,2-benzisothiazol-3(2 H)-one [BIT] 2634-33-5		LC50 (96hr) 2.15 mg/l Cyprinodon variegatus EPA 540/9-85-006		EC50(48hr) 2.94 mg/l (Daphnia Magna) OECD 202	1	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.

2-methyl-2H-isothiazol-3-one [MIT] (2682-20-4)

Method	Exposure time	Value	Results
OECD Test No. 308: Aerobic and		Half-life	1.28-2.1 days
Anaerobic Transformation in Aquatic			
Sediment Systems			
OECD Test No. 309: Aerobic		biodegradation Half-life	Readily biodegradable 4.1
Mineralization in Surface Water -		-	days
Simulation Biodegradation Test			

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)			

#### 12.3. Bioaccumulative potential

#### Bioaccumulation

Component Information

	Component information		
	Chemical name	Partition coefficient	
2-methyl-2H-isothiazol-3-one [MIT]		-0.32	
	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 above the

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#### threshold of declaration.

Chemical name	PBT and vPvB assessment
2-methyl-2H-isothiazol-3-one [MIT]	The substance is not PBT / vPvB
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 in accordance with local regulations. Dispose of waste in accordance with

environmental legislation.

Contaminated packaging

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

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)

14.1 UN number or ID number Not regulated

14.2 UN proper shipping name

14.3 Transport hazard class(es)
 14.4 Packing group
 14.5 Environmental hazards
 Not regulated Not regulated Not applicable

14.6 Special precautions for user

Special Provisions None

**IMDG** 

14.1 UN number or ID number
 14.2 UN proper shipping name
 14.3 Transport hazard class(es)
 14.4 Packing group
 Not regulated
 Not regulated
 Not regulated
 Not regulated

14.5 Marine pollutant NP14.6 Special precautions for user Special Provisions None

14.7 Maritime transport in bulk according to IMO instruments

Transport in bulk according to Annex II of MARPOL and the IBC Code Not applicable

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

14.1 UN number or ID number
14.2 UN proper shipping name
14.3 Transport hazard class(es)
14.4 Packing group
Not regulated
Not regulated
Not regulated
Not regulated

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14.5 Environmental hazards

Not applicable

14.6 Special precautions for user Special Provisions

None

### Section 15: REGULATORY INFORMATION

#### 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, Authorisation, 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)

#### **Export Notification requirements**

This product does not contain substances which are regulated pursuant to Regulation (EC) No. 649/2012 of the European parliament and of the council concerning the export and import of dangerous chemicals above the level that triggers a labeling obligation under Regulation (EC) No 1272/2008. Therefore this product is not subject to prior informed consent notification.

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

Not applicable

## **Persistent Organic Pollutants**

Not applicable

# REGULATION (EU) 2019/1148 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 20 June 2019 on the marketing and use of explosives precursors

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**

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#### 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 H311 - Toxic 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

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

#### Notes relating to the identification, classification and labelling of substances

**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

Legend

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

Ceiling Ceiling Limit Value Sk\* 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 18-Jul-2024

Indication of changes

Revision note SDS sections updated, 1.
Training Advice No information available
Further information No information available

## This SDS complies with the requirements of UK REACH Regulations SI 2019/758 (as amended)

#### **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** 

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