

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008
This SDS is for generic information purposes and does not reflect required country specific information for OEL

ZWALUW ACRYL-1001 U WHITE Supercedes Date: 04-Dec-2021

Revision date 12-Nov-2021 Revision Number 1

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

### 1.1. Product identifier

Product Name ZWALUW ACRYL-1001 U 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 Benelux B.V. Denariusstraat 11 4903 RC Oosterhout The Netherlands Tel: + 31 162 491 000

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

#### 1.4. Emergency telephone number

Emergency Telephone No information available

## **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.

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#### 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
Titanium dioxide	236-675-5	13463-67-7	0.1- <1	Carc. 2 (H351i)		01-2119489379- 17-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) M Factor Acute =1	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) M Factor Acute = 100 M Factor Chronic = 100	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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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

**ZWALUW ACRYL-1001 U WHITE** 

### 4.1. Description of first aid measures

**General advice** If medical advice is needed, have product container or label at hand. 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 skin with soap and water. In the case of skin irritation or allergic reactions see a

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

give anything by mouth to an unconscious person.

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

**Symptoms** No information available.

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

chemical

No information available.

**Hazardous combustion products** Carbon oxides.

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.

### SECTION 6: Accidental release measures

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

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**Personal precautions** Ensure adequate ventilation.

6.2. Environmental precautions

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**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 Ensure adequate ventilation.

**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 from freezing.

Recommended storage

temperature

Do not freeze. Keep at temperatures between 5 and 35  $^{\circ}\text{C}.$ 

#### 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**

Only European Community Occupational Exposure Limits will be shown in this document. Please refer to regional SDS for further information.

**Derived No Effect Level (DNEL)** No information available

Derived No Effect Level (I	ONEL)		
Ethylene glycol (107-21-1)			
Type	Exposure route	Derived No Effect Level	Safety factor
		(DNEL)	
worker	Dermal	106 mg/kg bw/d	

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Long term

Long term Systemic health effects			
worker	Inhalation	35 mg/m³	
Long term Systemic health effects			

Titanium dioxide (13463-6	7-7)		
Type	Exposure route	Derived No Effect Level	Safety factor
	•	(DNEL)	
worker	Inhalation	10 mg/m³	
Long term			
Local health effects			

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

<b>Derived No Effect Level (DNE</b>	EL)		
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	

Titanium dioxide (13463-67-	7)		
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer	Oral	700 mg/kg bw/d	
Long term Systemic health effects			

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

# $\begin{tabular}{ll} \textbf{Predicted No Effect Concentration} & \textbf{No information available.} \\ \textbf{(PNEC)} \end{tabular}$

Predicted No Effect Concentration (PNEC)	
Ethylene glycol (107-21-1)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	10 mg/l

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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

Titanium dioxide (13463-67-7)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Marine water	0.0184 mg/l
Freshwater sediment	1000 mg/kg
Freshwater	0.184 mg/l
Marine sediment	100 mg/kg
Soil	100 mg/kg
Microorganisms in sewage treatment	100 mg/l
Freshwater - intermittent	0.193 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** Wear safety glasses with side shields (or goggles). Avoid contact with eyes.

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 Solid Appearance Paste

**Colour** See section 1 for more information

**Odour** Characteristic

Odour threshold No information available

Property Values Remarks • Method

pH 7 - 9
pH (as aqueous solution) No data available
Melting point / freezing point = 0 °C
Initial boiling point and boiling = 100 °C

range

Flash point Not applicable No data available °C

Evaporation rate No data available

Flammability Not applicable for liquids .

Flammability Limit in Air

Upper flammability or explosive No data available

limits

Lower flammability or explosive No data available

limits

Vapour pressureNo data availableRelative vapour densityNo data available

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No data available Relative density Miscible in water Water solubility Solubility(ies) No data available **Partition coefficient** No data available **Autoignition temperature** No data available No data available **Decomposition temperature** Kinematic viscosity  $> 21 \text{ mm}^2/\text{s}$ **Dynamic viscosity** No data available **Explosive properties** No data available **Oxidising properties** No data available

9.2. Other information

Solid content (%) No information available

VOC Content (%)

Density 1.71

## **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 Carbon monoxide. Carbon dioxide (CO2). Hydrocarbons.

products

## **SECTION 11: Toxicological information**

## 11.1. Information on toxicological effects

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.

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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

No information available. **Symptoms** 

Numerical measures of toxicity

### **Acute toxicity**

#### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ethylene glycol	ATE 500 mg/kg	= 10600 mg/kg (Rattus) =	> 2.5 mg/L (Rat)6 h
107-21-1		9530 μL/kg (Oryctolagus	
		cuniculus)	
Titanium dioxide	>10000 mg/kg (Rattus)	LD50 > 10000 mg/Kg	>5 mg/l
13463-67-7			
1,2-benzisothiazol-3(2H)-one	=670 mg/kg (Rattus)	LD50 > 2000 mg/kg (Rattus)	
[BIT]			
2634-33-5			
reaction mass of	=53 mg/kg (Rattus)	LD50 = 87.12 mg/kg	
5-chloro-2-methyl-2H-isothiazo		(Oryctolagus cuniculus)	
I-3-one and			
2-methyl-2H-isothiazol-3-one			
(3:1) [C(M)IT/MIT]			
55965-84-9			

## 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.

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

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

Chemical name	European Union
Titanium dioxide	Carc. 2
13463-67-7	

The table below indicates whether each agency has listed any ingredient as a carcinogen.

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

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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** 

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#### 11.2.2. Other information

Other adverse effects No information available.

## **SECTION 12: Ecological information**

## 12.1. Toxicity

## **Ecotoxicity**

Chemical name	Algae/aquatic	Fish	Toxicity to	Crustacea	M-Factor	M-Factor
	plants		microorganisms			(long-term)
Ethylene glycol	EC50: 6500 -	LC50 96 h =	EC50 = 10000	EC50:		
107-21-1	13000mg/L	16000 mg/L	mg/L 16 h	=46300mg/L		
	(96h,	(Poecilia	EC50 = 620	(48h, Daphnia		
	Pseudokirchneri	reticulata static)	mg/L 30 min	magna)		
	ella subcapitata)		EC50 = 620.0			
			mg/L 30 min			
Titanium dioxide	LC50 (96h)	-	-	-		
13463-67-7	>10000 mg/l					
	(Cyprinodon					
	variegatus)					
	OECD 203					
1,2-benzisothiazol-3(2	EC50 3Hr	LC50 (96hr)	-	EC50(48hr) 2.94	1	
H)-one [BIT]	13mg/l	2.15 mg/l		mg/l (Daphnia		
2634-33-5	(activated	Cyprinodon		Magna) OECD		
	sludge) (OECD	variegatus EPA		202		
	209)	540/9-85-006				
reaction mass of	EC50 (72h)	EC50 (96h) =	-	EC50 (48h) =0.1	100	100
5-chloro-2-methyl-2H-is		0.22 mg/L		mg/L (Daphnia		
othiazol-3-one and	(Pseudokirchner	(Oncorhynchus		magna) (OECD		
2-methyl-2H-isothiazol-	iella	mykiss) (OECD		202)		
3-one (3:1)	subcapitata)	211)				
[C(M)IT/MIT]	(OECD 201)					
55965-84-9						

## 12.2. Persistence and degradability

Persistence and degradability No information available.

Component Information				
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	

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Biodegradability: CO2 Evolution		
1631 (16 301 b)		

#### 12.3. Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

#### **Component Information**

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
Ethylene glycol	-1.36	-
107-21-1		
1,2-benzisothiazol-3(2H)-one [BIT]	0.7	6.95
2634-33-5		
reaction mass of	-	3.16
5-chloro-2-methyl-2H-isothiazol-3-one and		
2-methyl-2H-isothiazol-3-one (3:1)		
[C(M)IT/MIT]		
55965-84-9		

#### 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
Ethylene glycol	The substance is not PBT / vPvB
107-21-1	PBT assessment does not apply
Titanium dioxide	The substance is not PBT / vPvB
13463-67-7	PBT assessment does not apply
1,2-benzisothiazol-3(2H)-one [BIT] 2634-33-5	The substance is not PBT / vPvB
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	The substance is not PBT / vPvB

## 12.6. Other adverse effects

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** Do not reuse empty containers.

**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.

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## **SECTION 14: Transport information**

Note: Keep from freezing.

#### Land transport (ADR/RID)

Not regulated 14.1 UN number or ID number 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

14.1 UN number or ID number Not regulated 14.2 Proper Shipping Name Not regulated 14.3 Transport hazard class(es) Not regulated 14.4 Packing group Not regulated 14.5 Marine pollutant NP

14.6 Special Provisions None

14.7 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 Not regulated 14.2 Proper Shipping Name Not regulated 14.3 Transport hazard class(es) Not regulated Not regulated 14.4 Packing group 14.5 Environmental hazards Not applicable

14.6 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, 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 contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Chemical name	CAS No	Restricted substance per REACH Annex XVII
Diisononyl phthalate	28553-12-0	52[a].

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Not to be used in toys or childcare articles above 0.1% which can be placed in the mouth by children

#### 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

#### France

#### Occupational Illnesses (R-463-3, France)

Chemical name	French RG number	
Ethylene glycol	RG 84	
107-21-1	RG 5,RG 14,RG 15,RG 15bis,RG 20bis	
1,2-benzisothiazol-3(2H)-one [BIT]	RG 65	
2634-33-5		

## Germany

#### Ordinance on Industrial Safety and Health - Germany - BetrSichV

No flammable liquids in accordance with BetrSichV

Water hazard class (WGK) slightly hazardous to water (WGK 1)

#### Netherlands

List of Carcinogenic, mutagenic and reproductive toxin substances in accordance with Inspectorate SZW (Netherlands)

**Denmark** 

Registration number(s) (P-no.) No information available

**Norway** 

Registration number(s) (PRN-no.) No information available

#### 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

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H301 - Toxic if swallowed

H302 - Harmful if swallowed

H310 - Fatal in contact with skin

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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

H351i - Suspected of causing cancer 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 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

### Key literature references and sources for data

No information available

Prepared By Product Safety & Regulatory Affairs

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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

## 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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