

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

**BOSTIK INTUCRYLIC SEALANT WHITE** 

Supercedes Date: 31-Jan-2020

Revision date 11-Mar-2020 Revision Number 3.01

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

#### 1.1. Product Identifier

Product Name BOSTIK INTUCRYLIC SEALANT 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

+353 (1) 8624900 (Monday- Friday 9am-5pm)

### SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Not classified

### 2.2. Label Elements

Not classified

#### Signal word

None

#### **Hazard statements**

Not classified

## **EU Specific Hazard Statements**

EUH210 - Safety data sheet available on request.

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.

## Precautionary statements

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

P102 - Keep out of reach of children.

#### 2.3. Other Hazards

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

### PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or 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) (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 Irrit. 2 :: 0.06%<=C<0.6% Skin Corr. 1B :: 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

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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

**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.

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

evelids. Consult a doctor.

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

doctor.

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

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

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

surrounding environment.

Full water jet. Do not scatter spilled material with high pressure water streams. 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 toxic and corrosive gases/vapours.

5.3. Advice for firefighters

Special protective equipment for

fire-fighters

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 Ensure adequate ventilation. Avoid contact with skin, eyes or clothing.

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

Use personal protection recommended in Section 8. For emergency responders

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6.2. Environmental precautions

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**Environmental precautions**Do not flush into surface water or sanitary sewer system. 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.

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. Use personal protective equipment as required. Avoid

contact with skin, eyes or clothing.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink

or smoke when using this product. Wash thoroughly after handling. Take off all

contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Keep away from food,

drink and animal feedingstuffs.

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**

Chemical name	European Union	Ireland	United Kingdom
Aluminum hydroxide (Al(OH)3)	-	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>
21645-51-2		TWA: 4 mg/m <sup>3</sup>	TWA: 4 mg/m <sup>3</sup>
		STEL: 30 mg/m <sup>3</sup>	-
		STEL: 12 mg/m <sup>3</sup>	
Diisononyl phthalate	-	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>
28553-12-0		STEL: 15 mg/m <sup>3</sup>	STEL: 15 mg/m <sup>3</sup>

Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DNEL)
Ethylene glycol (107-21-1)

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Туре	worker Long term Systemic health effects
Exposure route	Dermal
Derived No Effect Level (DNEL)	106 mg/kg bw/d

Туре	worker Long term Systemic health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	35 mg/m <sup>3</sup>

1,2-benzisothiazol-3(2H)-one [BIT] (2634-33-5)		
Type	worker Long term Systemic health effects	
Exposure route	Inhalation	
Derived No Effect Level (DNEL)	6.81 mg/m <sup>3</sup>	

Туре	worker Long term Systemic health effects
Exposure route	Dermal
Derived No Effect Level (DNEL)	0.966 mg/kg bw/d

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

Type	Consumer Long term Local health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	7 mg/m³

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

Type	Consumer Long term Systemic health effects
Exposure route	Dermal
Derived No Effect Level (DNEL)	0.345 mg/kg bw/d

# **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		
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		

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

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(55965-84-9)

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

**Hand protection** Wear suitable gloves. Ensure that the breakthrough time of the glove material is not

exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Recommended Use:. Neoprene™. Nitrile rubber. Butyl rubber. Glove thickness > 0.7mm. The breakthrough time for the mentioned glove material is in general greater

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than 480 min. Gloves must conform to standard EN 374

**Skin and body protection** None under normal use conditions.

**Respiratory protection** 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 stateLiquidAppearancePasteColourWhiteOdourCharacteristic

Odour threshold No information available

Property Values Remarks • Method

PH No data available
Melting point / freezing point
Boiling point / boiling range
Flash point > 100 °C
Evaporation rate
No data available
100 °C
No data available

Flammability (solid, gas) 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 pressure
Vapour density
Relative density
Water solubility
Solubility(ies)
Partition coefficient
No data available
No data available
Immiscible in water
No data available
No data available

Autoignition temperature 420 °C

Decomposition temperatureNo data availableKinematic viscosityNo data availableDynamic viscosityNo data availableExplosive propertiesNo data availableOxidising propertiesNo data available

9.2. Other information

Solid content (%) No information available

VOC Content (%) 18.1 g/L / 0.9 % European directive n°2010/75/UE

**Density** 1.59 g/cm<sup>3</sup>

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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 None known based on information supplied.

10.5. Incompatible materials

**Incompatible materials**None known based on information supplied.

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 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.

**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.

Numerical measures of toxicity

**Acute Toxicity** 

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

**Component Information** 

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Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ethylene glycol	ATE 500 mg/kg	= 10600 mg/kg (Rattus) =	
107-21-1		9530 μL/kg (Oryctolagus	
		cuniculus)	
1,2-benzisothiazol-3(2H)-one [BIT]	=670 mg/kg (Rattus)	LD50 > 2000 mg/kg (Rattus)	
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.

**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.

## **SECTION 12: Ecological information**

### 12.1. Toxicity

Ecotoxicity

Chemical name	Algae/aquatic	Fish	Toxicity to	Crustacea	M-Factor	M-Factor
	plants		Micro-organisms			(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			
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

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5-chloro-2-methyl-2H-is	=0.048 mg/L	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.

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**The components in this formulation do not meet the criteria for classification as PBT or vPvB. .

Chemical name	PBT and vPvB assessment
Ethylene glycol	The substance is not PBT / vPvB
107-21-1	PBT assessment does not apply
1,2-benzisothiazol-3(2H)-one [BIT]	The substance is not PBT / vPvB
2634-33-5	
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT]	The substance is not PBT / vPvB
55965-84-9	

## 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 contents/container in accordance with local, regional, national, and international regulations as applicable.

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Contaminated packaging Do not reuse empty containers. 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**

### Land transport (ADR/RID)

14.1 UN 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 None

14.6 Special Provisions

#### **IMDG**

14.1 UN number Not regulated Not regulated 14.2 Proper Shipping Name 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 73/78 and the IBC Code Not applicable

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

14.1 UN 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).

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

52. 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**

### 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

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

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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** SDS sections updated, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15, 16.

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**