

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

BOSTIK STIX A550 POWER ELASTIC

Supercedes Date: 19-Sep-2019

Revision date 19-Sep-2019 Revision Number 1

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

#### 1.1. Product Identifier

Product Name BOSTIK STIX A550 POWER ELASTIC

Pure substance/mixture Mixture

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

Recommended use Adhesives.
Uses advised against None known

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

#### **Company Name**

Bostik GmbH An der Bundesstrasse 16 33829 Borgholzhausen, Germany Tel: +49 (0) 5425 / 801 0 Fax: +49 (0) 5425 / 801 140

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

### 1.4. Emergency telephone number

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

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

## **SECTION 2: Hazards identification**

# 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin sensitisation Category 1 - (H317)

### 2.2. Label Elements

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



#### Signal word WARNING

### **Hazard statements**

H317 - May cause an allergic skin reaction

#### **Precautionary statements**

P102 - Keep out of reach of children

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P261 - Avoid breathing vapours/spray

P280 - Wear protective gloves

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

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

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

## 2.3. Other Hazards

No information available

#### 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

Mixture

#### 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
Zinc oxide	215-222-5	1314-13-2	0.1 - <1	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)		01-2119463881- 32-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%	No data available
2-methyl-2H-isothiazol-3 -one [MIT]	220-239-6	2682-20-4	0.0015 - <0.01	Skin Corr. 1B (H314) Eye Dam. 1 (H318) Skin Sens. 1A (H317) Acute Tox. 3 (H301) Acute Tox. 2 (H330) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411) (M Factor Acute =1)	Skin Sens. 1 :: C>=0.0015%	No data available

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reaction mass of	611-341-5	55965-84-9	<0.0015	Acute Tox. 3	Eye Irrit. 2 ::	01-2120764691-
5-chloro-2-methyl-2H-iso				(H301)	0.06%<=C<0.6%	48-XXXX
thiazol-3-one and				Acute Tox. 2	Skin Corr. 1B ::	
2-methyl-2H-isothiazol-3				(H310)	C>=0.6%	
-one (3:1) [C(M)IT/MIT]				Acute Tox. 2	Skin Irrit. 2 ::	
				(H330)	0.06%<=C<0.6%	
				Skin Corr. 1B	Skin Sens. 1 ::	
				(H314)	C>=0.0015%	
				Eye Dam. 1		
				(H318)		
				Skin Sens. 1A		
				(H317)		
				Aquatic Acute 1		
				(H400)		
				Aquatic Chronic		
				1 (H410)		
				M Factor Acute =		
				100		
				M Factor Chronic		
				= 100		

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

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

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

# **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

**General advice** 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. If eye irritation persists: Get medical

advice/attention.

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

doctor.

Ingestion Do NOT induce vomiting. Rinse mouth thoroughly with water. Never give anything by

mouth to an unconscious person. Call a doctor or poison control centre immediately.

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** Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam.

Unsuitable extinguishing media Full water jet. Do not scatter spilled material with high pressure water streams.

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5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical

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Thermal decomposition can lead to release of irritating and toxic gases and vapours. Do

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not allow run-off from fire-fighting to enter drains or water courses.

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

5.3. Advice for firefighters

Special protective equipment for

fire-fighters

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 Ensure adequate ventilation. Use personal protective equipment as required. Avoid

contact with skin, eyes or clothing.

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

6.2. Environmental precautions

**Environmental precautions** Prevent product from entering drains. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

and place into a container for later disposal.

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 Keep away from food, drink and animal feedingstuffs. 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 Keep from freezing. Keep at temperatures between 10 and 35 °C.

7.3. Specific end use(s)

Specific Use(s) Adhesives.

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

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Other information Observe technical data sheet.

# SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

This product, as supplied, does not contain any hazardous materials with occupational **Exposure Limits** 

exposure limits established by the region specific regulatory bodies

Chemical name	European Union	Ireland	United Kingdom
Quartz 14808-60-7	TWA: 0.1 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>
Limestone 1317-65-3	-	TWA: 10 mg/m³ TWA: 4 mg/m³ STEL: 30 mg/m³ STEL: 12 mg/m³	TWA: 10 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>

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

Derived No Effect Level (DNEL)				
Zinc oxide (1314-13-2)				
Туре	worker Long term Systemic health effects			
Exposure route	Inhalation			
Derived No Effect Level (DNEL)	5 mg/m <sup>3</sup>			
Туре	worker Long term Local health effects			
Exposure route	Inhalation			
Derived No Effect Level (DNEL)	0.5 mg/m³			

Туре	worker Long term Systemic health effects
Exposure route	Dermal
Derived No Effect Level (DNEL)	83 mg/kg bw/d

Derived No Effect Level (DNEL)	
Zinc oxide (1314-13-2)	
Type	Consumer Long term Systemic health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	2.5 mg/m <sup>3</sup>

Туре	Consumer Long term Systemic health effects
Exposure route	Dermal
Derived No Effect Level (DNEL)	83 mg/kg bw/d

Туре	Consumer Long term Systemic health effects
Exposure route	Oral
Derived No Effect Level (DNEL)	0.83 mg/kg bw/d

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

Predicted No Effect Concentration (PNEC)				
Zinc oxide (1314-13-2)				
Environmental compartment	Predicted No Effect Concentration (PNEC)			
Freshwater	0.0206 mg/l			
Marine water	0.0061 mg/l			
Freshwater sediment	235.6 mg/kg dry weight			
Marine sediment	113 mg/kg dry weight			

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Soil	106.8 mg/kg dry weight
	0.1 mg/l

8.2. Exposure controls

**Engineering controls** Ensure adequate ventilation, especially in confined areas. Use with local exhaust

ventilation, in the case of spray application.

**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

Hand protection Wear suitable gloves. Gloves must conform to standard EN 374. Recommended Use:.

Nitrile rubber. Butyl rubber. Neoprene™. 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 should be replaced regularly and if there is any sign of damage to the glove material. The breakthrough time for the mentioned glove material is in

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general greater than 480 min.

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

During spraying wear suitable respiratory equipment. Respiratory protection

**Environmental exposure controls** Do not allow into any sewer, on the ground or into any body of water.

# SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Liquid Physical state

**Appearance** No information available

White Beige Colour Slight Characteristic Odour **Odour threshold** No information available

**Property** Values Remarks • Method

No data available рΗ Melting point / freezing point 0 °C

100 °C Boiling point / boiling range

Flash point No data available **Evaporation rate** No data available

Flammability (solid, gas) No data available

Flammability Limit in Air

Upper flammability or explosive No data available

limits

Lower flammability or explosive No data available

limits

Vapour pressure No data available Vapour density No data available

Relative density 1.3

Water solubility Partially soluble Solubility(ies) No data available **Partition coefficient** No data available **Autoignition temperature** No data available **Decomposition temperature** No data available Kinematic viscosity No data available **Dynamic viscosity** No data available **Explosive properties** No data available No data available **Oxidising properties** 

9.2. Other information

No information available Solid content (%) Softening Point No information available Molecular weight No information available

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VOC Content (%) < 3 % Swiss ordinance on the Incentive Tax on Volatile Organic Compounds of 12 Nov 1997

**Density** ca. 1.3 g/cm<sup>3</sup>

Bulk density No information available

# **SECTION 10: Stability and reactivity**

10.1. Reactivity

Reactivity Not applicable.

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 Keep from freezing.

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

No information available

**Acute Toxicity** 

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

ATEmix (dermal) 13,002.60 mg/kg

### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Zinc oxide	>5000 mg/kg (Rattus)	LD50 >2000 mg/Kg (Rattus)	LC50 (4h) >5.7 mg/l
1314-13-2		(OECD 402)	
1,2-benzisothiazol-3(2H)-one	=490 mg/kg (Rattus)		
[BIT]			
2634-33-5			
2-methyl-2H-isothiazol-3-one	LD50 =285 mg/Kg (Rattus)	LD50 >2000 mg/Kg (Rattus)	=0.11 mg/L (Rattus) 4 h
[MIT]			
2682-20-4			
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** 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.

# **SECTION 12: Ecological information**

### 12.1. Toxicity

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to Micro-organisms	Crustacea	M-Factor
Zinc oxide	LC 50 (72Hr) 0.136	LC50 (96h) =0.7	-	LC 50 (48Hr) =0.5	-
1314-13-2	mg/L	mg/L (Danio rerio)		mg/l (Ceriodaphnia	
				dubia)	

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1,2-benzisothiazol-3(2H) -one [BIT] 2634-33-5	EC50 3Hr 13mg/l (activated sludge) (OECD 209)	-	-	-	-
5-chloro-2-methyl-2H-iso	(Pseudokirchneriell	mg/Ĺ	-	EC50 (48h) =0.1 mg/L (Daphnia magna) (OECD 202)	•

### 12.2. Persistence and degradability

Persistence and degradability No information available.

Component Information Zinc oxide (1314-13-2)				
Method	Exposure time	Value	Results	
			The methods for determining biodegradability are not applicable to inorganic substances	

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)

### 12.3. Bioaccumulative potential

**Bioaccumulation** No information available.

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
1,2-benzisothiazol-3(2H)-one [BIT] 2634-33-5	0.7	6.95
2-methyl-2H-isothiazol-3-one [MIT] 2682-20-4	-0.32	3.16
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	-	3.6

### 12.4. Mobility in soil

Mobility in soil No information available.

# 12.5. Results of PBT and vPvB assessment

**PBT and vPvB assessment** No information available.

Chemical name	PBT and vPvB assessment	
Zinc oxide	The substance is not PBT / vPvB	
1314-13-2	PBT assessment does not apply	
1,2-benzisothiazol-3(2H)-one [BIT]	The substance is not PBT / vPvB	
2634-33-5		
2-methyl-2H-isothiazol-3-one [MIT]	The substance is not PBT / vPvB	
2682-20-4		
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.

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### **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

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international regulations as applicable.

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

**European Waste Catalogue** 08 04 09\* waste adhesives and sealants containing organic solvents or other dangerous

substances

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 NumberNot regulated14.2Proper Shipping NameNot regulated14.3Transport hazard class(es)Not regulated14.4Packing GroupNot regulated14.5Environmental hazardsNot applicable

**14.6 Special Provisions** None

**IMDG** 

14.1 UN numberNot regulated14.2 Proper Shipping NameNot regulated14.3 Transport hazard class(es)Not regulated14.4 Packing groupNot regulated

14.5 Marine PollutantNp14.6 Special ProvisionsNone

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available

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

14.1 UN 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

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## 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.

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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

### 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

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

SVHC: Substances of Very High Concern for Authorisation:

Legend SECTION 8: Exposure controls/personal protection

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

Ceiling Maximum limit value \* Skin designation

PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals STOT RE Specific target organ toxicity - Repeated exposure Revision date 19-Sep-2019

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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** SDS sections updated, 16.

Training Advice When working with hazardous materials, regular training of operators is required by law

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**