

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

BOSTIK STIX A303 MULTI PROJECT Supercedes Date: 05-Dec-2019 Revision date 11-Mar-2020 Revision Number 1.02

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

1.1. Product Identifier

Product NameBOSTIK STIX A303 MULTI PROJECTPure substance/mixtureMixture

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

Recommended use	Adhesive. Dispersion.
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

Emergency Telephone

No information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin sensitisation	Cotogon(1) (U217)
Skill 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

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P102 - Keep out of reach of children.

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

None known

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 Mixtures

Chemical name	EC No.	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008	Specific concentration limit (SCL)	REACH Registration Number
1,2-benzisothiazol-3(2H) -one [BIT]	220-120-9	2634-33-5	0.01 - <0.05	[CLP] 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
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. 3 (H311) Acute Tox. 2 (H330) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) (M Factor Acute =10)	Skin Sens. 1 :: C>=0.0015%	01-2120764690- 50-xxxx
reaction mass of	611-341-5	55965-84-9	<0.0015	Acute Tox. 3	Eye Irrit. 2 ::	01-2120764691-

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(11204)	0.000/ . 0.00/	
		48-XXXX
	Skin Corr. 1B ::	
(H310)	C>=0.6%	
Acute Tox. 2	Skin Irrit. 2 ::	
(H330)	0.06%<=C<0.6%	
Skin Corr. 1C	Skin Sens. 1 ::	
(H314)	C>=0.0015%	
Skin Sens. 1A		
(H317)		
	(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	Acute Tox. 2 (H310) Skin Corr. 1B :: C>=0.6% Acute Tox. 2 (H330) Skin Irrit. 2 :: 0.06%<=C<0.6%

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. Consult an ophthalmologist.			
Skin contact	Wash with soap and water. In the case of skin irritation or allergic reactions see a doctor.			
Ingestion	Do NOT induce vomiting. If swallowed, rinse mouth with water (only if the person is conscious). Call a doctor or poison control centre immediately.			
4.2. Most important symptoms and effects, both acute and delayed				
Symptoms	None known.			
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			
Suitable extinguishing media	Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam.		

Unsuitable extinguishing media Full water jet.

5.2. Special hazards arising from the substance or mixture

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

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

5.3. Advice for firefighters

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

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.	
For emergency responders	Use personal protection recommended in Section 8.	
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 cont	ainment and cleaning up	
Methods for containment	Use a non-combustible material like vermiculite, sand or earth to soak up the product 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

<u> </u>	—
Advice on safe handling	Ensure adequate ventilation. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.
General hygiene considerations	When using do not eat, drink or smoke. Wash hands before breaks and after work. Take off all contaminated clothing and wash it before reuse.
7.2. Conditions for safe storage, in	cluding any incompatibilities
Storage Conditions	Keep from freezing. Keep at temperatures between 10 and 35 °C. Keep away from food, drink and animal feedingstuffs.
7.3. Specific end use(s)	
Specific Use(s) Adhesive. Dispersion.	
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.

Chemical name	European Union
Quartz 14808-60-7	TWA: 0.1 mg/m ³
Quartz (fine fraction) 14808-60-7	TWA: 0.1 mg/m ³

Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DNEL)		
1,2-benzisothiazol-3(2H)-one [BIT] (2634-33-5)		
Туре	worker Long term Systemic health effects	
Exposure route	Inhalation	
Derived No Effect Level (DNEL)	6.81 mg/m ³	
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)			
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/m ³		
Туре	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)	
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] (55965-84-9)

8.2. Exposure controls

Eye/face protection

Engineering controls

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Wear safety glasses with side shields (or goggles). Eye protection must conform to standard EN 166.

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Hand protection	Wear suitable gloves. Gloves must conform to standard EN 374. Recommended Use: Neoprene [™] . Nitrile rubber. Butyl rubber. Glove thickness > 0.7mm. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The breakthrough time for the mentioned glove material is in general greater than 480 min.
Skin and body protection	Wear suitable protective clothing.
Respiratory protection	During spraying wear suitable respiratory equipment. Wear a respirator conforming to EN 140 with Type A/P2 filter or better.
Recommended filter type:	Brown. White.

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Appearance Colour Odour Odour threshold	Liquid Dispersion Beige White Characteristic No information available	
Property pH Melting point / freezing point Boiling point / boiling range Flash point Evaporation rate Flammability (solid, gas)	<u>Values</u> 6.5 - 8.0 No data available 100 °C No data available No data available Not applicable for liquids .	Remarks • Method
Flammability Limit in Air Upper flammability or explosive limits Lower flammability or explosive limits		
Vapour pressure Vapour density Relative density Water solubility Solubility(ies) Partition coefficient Autoignition temperature Decomposition temperature Kinematic viscosity Dynamic viscosity Explosive properties Oxidising properties	120 No data available 1.2 Miscible in water No data available No data available No data available No data available approx. 13 - 15 Pa.s No data available No data available	hPa @ 50 ℃
9.2. Other information Solid content (%) VOC Content (%) Density	No information available No information available 1.2 g/cm ³	

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity

Stable.

10.2. Chemical stability

Stability

Stable under normal conditions.

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Explosion Data Sensitivity to mechanical impact Sensitivity to static discharge	None. None.
10.3. Possibility of hazardous reac	tions
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 pro	oducts
Hazardous decomposition products	None under normal use 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	May cause sensitisation by skin contact.
Ingestion	Based on available data, the classification criteria are not met.
Symptoms related to the physical,	chemical and toxicological characteristics
Symptoms	None known.
Numerical measures of toxicity	

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document ATEmix (dermal) 8,328.00 mg/kg

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
1,2-benzisothiazol-3(2H)-one [BIT] 2634-33-5	=670 mg/kg (Rattus)	LD50 > 2000 mg/kg (Rattus)	
2-methyl-2H-isothiazol-3-one [MIT] 2682-20-4	LD50 =285 mg/Kg (Rattus)	LD50 >242 mg/Kg (Rattus)	=0.11 mg/L (Rattus) 4 h
reaction mass of	=53 mg/kg (Rattus)	LD50 = 87.12 mg/kg	

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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.

Component Information			
2-methyl-2H-isothiazol-3-one [MIT] (2682-20-4)			
Method	Species	Exposure route	Results
OECD Test No. 406: Skin	Guinea pig	Dermal	Sensitizing
Sensitisation			

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)
1,2-benzisothiazol-3(2	EC50 3Hr	LC50 (96hr)	-	EC50(48hr) 2.94	1	
H)-one [BIT]	13mg/l	2.15 mg/l		mg/I (Daphnia		
2634-33-5	(activated	Cyprinodon		Magna) OECD		
	sludge) (OECD	variegatus EPA		202		
	209)	540/9-85-006				
2-methyl-2H-isothiazol-	-	EC50 (96hr)	-	-	10	1
3-one [MIT]		5.71 mg/l				
2682-20-4		(Oncorhynchus				
		mykiss) OECD				
		203				
reaction mass of	EC50 (72h)	EC50 (96h) =	-	EC50 (48h) =0.1	100	100
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)		

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3-one (3:1) subcapitata) 211) [C(M)IT/MIT] (OECD 201) 55965-84-9
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12.2. Persistence and degradability

Persistence and degradability

No information available.

Component Information				
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				

12.3. Bioaccumulative potential

Bioaccumulation

There is no data for this product.

Component Information

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	-	3.16

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
1,2-benzisothiazol-3(2H)-one [BIT] 2634-33-5	The substance is not PBT / vPvB
2-methyl-2H-isothiazol-3-one [MIT] 2682-20-4	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.

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13.1 Waste treatment methods

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SECTION 13: Disposal considerations

15.1. Waste treatment methods	
Waste from residues/unused products	Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.
Contaminated packaging	Handle contaminated packages in the same way as the product itself.
European Waste Catalogue	08 04 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) 14.1 UN Number 14.2 Proper Shipping Name 14.3 Transport hazard class(es) 14.4 Packing Group 14.5 Environmental hazards 14.6 Special Provisions	Not regulated Not regulated Not regulated Not applicable None
IMDG 14.1 UN number 14.2 Proper Shipping Name 14.3 Transport hazard class(es) 14.4 Packing group 14.5 Marine Pollutant 14.6 Special Provisions 14.7 Transport in bulk according	Not regulated Not regulated Not regulated Not regulated Np None to Annex II of MARPOL 73/78 and the IBC Code Not applicable

<u>Air transport (ICAO-TI / IATA-DGR)</u>		
Not regulated		
Not applicable		
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)

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SVHC: Substances of Very High Concern for Authorisation:

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

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Biocidal Products Regulation (EU) No 528/2012 (BPR)

Contains a biocide : Contains C(M)IT/MIT (3:1). May produce an allergic reaction

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

Not applicable

Persistent Organic Pollutants

Not applicable

National Regulations

France

Occupational Illnesses (R-463-3, France)

Chemical name	French RG number
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

TRGS - 510 Storage Class Storage Class 12 : Non-combustible liquids

Netherlands

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

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

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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
- H411 Toxic to aquatic life with long lasting effects

Legend

TWĂ	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

Key literature references and sources for data No information available		
Prepared By	Product Safety & Regulatory Affairs	
Revision date	11-Mar-2020	
Indication of changes		
Revision note	SDS sections updated: 3, 6, 7, 8, 9, 11, 12.	
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