

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 A340 LVT PROJECT Supercedes Date: 20-Dec-2021 Revision date 06-Jan-2023 Revision Number 2.03

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

1.1. Product identifier	
Product Name	BOSTIK STIX A340 LVT PROJECT
Other means of identification	
Pure substance/mixture	Mixture
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 sa	afety 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	112

# 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]

#### Hazard statements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

### **EU Specific Hazard Statements**

EUH208 - Contains 1,2-benzisothiazol-3(2H)-one [BIT] & 2-methyl-2H-isothiazol-3-one [MIT] & reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT]. May produce an allergic reaction EUH210 - Safety data sheet available on request

# 2.3. Other hazards

Harmful to aquatic life.

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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).

# Endocrine Disruptor Information

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

### 3.1 Substances

Not applicable

#### 3.2 Mixtures

Chemical name	EC No (EU	CAS No.	Classification	Specific	M-Factor	M-Factor	REACH
	Index No).		according to	concentration limit		(long-ter	registration
			Regulation (EC) No.	(SCL)		m)	number
			1272/2008 [CLP]				
Bronopol	(603-085-00-	52-51-7	Acute Tox. 4 (H302)	-	10	1	01-2119980938-
0.01 - < 0.05 %	8)		Acute Tox. 4 (H312)				15-XXXX
	200-143-0		Skin Irrit. 2 (H315)				
			Eye Dam. 1 (H318)				
			STOT SE 3 (H335)				
			Aquatic Acute 1 (H400)				
			Aquatic Chronic 1 (H410)				
reaction mass of	611-341-5	55965-84-9	Acute Tox. 3 (H301)	Eye Dam. 1 ::	100	100	01-2120764691-
5-chloro-2-methyl-2H-iso			Acute Tox. 2 (H310)	C>=0.6% Eye Irrit. 2 ::			48-XXXX
thiazol-3-one and			Acute Tox. 2 (H330)	0.06%<=C<0.6%			
2-methyl-2H-isothiazol-3-			Skin Corr. 1C (H314)	Skin Corr. 1C ::			
one (3:1) [C(M)IT/MIT]			Eye Dam. 1 (H318)	C>=0.6%			
<0.0015 %			Skin Sens. 1A (H317)	Skin Irrit. 2 ::			
			Aquatic Acute 1 (H400)	0.06%<=C<0.6%			
			Aquatic Chronic 1 (H410)	Skin Sens. 1 ::			
			· · · · · ·	C>=0.0015%			

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

#### Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	EC No (EU Index No)	CAS No	Oral LD50 mg/kg	Dermal LD50 mg/kg		Inhalation LC50 - 4 hour -	Inhalation LC50 - 4 hour -
					dust/mist - mg/L	vapour - mg/L	gas - ppm
Bronopol	(603-085-00-8) 200-143-0	52-51-7	300	1100	-	-	-
reaction mass of 5-chloro-2-methyl-2H-is othiazol-3-one and 2-methyl-2H-isothiazol- 3-one (3:1) [C(M)IT/MIT]		55965-84-9	100	87.12	0.33	-	-

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

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

# SECTION 4: First aid measures

# 4.1. Description of first aid measures

General advice	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	Itching. Rashes. Hives.
4.3. Indication of any immediate me	edical attention and special treatment needed
Note to doctors	May cause sensitisation in susceptible persons. Treat symptomatically.
SECTION 5: Firefighting mea	asures
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	ne substance or mixture
Specific hazards arising from the chemical	Thermal decomposition can lead to release of irritating gases and vapours.
Hazardous combustion products	Carbon monoxide. Carbon dioxide (CO2).
5.3. Advice for firefighters	
Special protective equipment and precautions for fire-fighters	Wear self contained breathing apparatus for fire fighting if necessary.
SECTION 6: Accidental relea	ise measures
6.1. Personal precautions, protecti	ve equipment and emergency procedures
Personal precautions	Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

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

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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 conta	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.
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 st	orage
7.1. Precautions for safe handling	_
Advice on safe handling	Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
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 away from food, drink and animal feedingstuffs.
Recommended storage temperature	Keep at temperatures between 10 and 35 °C.
7.3. Specific end use(s)	
<b>Specific use(s)</b> Dispersion. Adhesive.	
Risk Management Methods (RMM)	The information required is contained in this Safety Data Sheet.
Other information	Observe technical data sheet.
SECTION 8: Exposure contro	ols/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

Predicted No Effect Concentration No information available. (PNEC)

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## 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. Recommended Use: Neoprene <sup>™</sup> . 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. Gloves must conform to standard EN 374
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:	Organic gases and vapours filter conforming to EN 14387. 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	Liquid	
Appearance	Dispersion	
Colour	Beige White	
Odour	Characteristic.	
Odour threshold	No information available	
Property_	Values	Remarks • Method
Melting point / freezing point	No data available	None known
Initial boiling point and boiling	100 °C	
range		
Flammability	Not applicable for liquids .	
Flammability Limit in Air		None known
Upper flammability or explosive	No data available	
limits		
Lower flammability or explosive	No data available	
limits		
Flash point	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
рН	6 - 9	
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	
Water solubility	Miscible in water.	
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapour pressure	120	hPa @ 50 °C
Relative density	ca. 1	
Bulk Density	No data available	
Liquid Density	ca. 1 g/cm <sup>3</sup>	
Relative vapour density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	
9.2. Other information		
Solid content (%)	No information available	
VOC content	No data av	valiable

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9.2.1. Information with regards to physical hazard classes Not applicable

9.2.2. Other safety characteristics No information available

10.1. Reactivity	
Reactivity	Not applicable.
10.2. Chemical stability	
Stability	Stable under normal conditions.
Explosion data	
Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.
10.3. Possibility of hazardous reac	tions
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 pr	oducts_
Hazardous decomposition products	None under normal use conditions.
SECTION 11: Toxicological i	nformation
11.1. Information on hazard class	es as defined in Regulation (EC) No 1272/2008
Information on likely routes of exp	osure
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 in susceptible persons.
Ingestion	Based on available data, the classification criteria are not met.
Symptoms related to the physical,	chemical and toxicological characteristics
Symptoms	Itching. Rashes. Hives.
Acute toxicity_	

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Based on available data, the classification criteria are not met

### Numerical measures of toxicity

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

### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50				
Bronopol	300 - 400 mg/Kg (Rattus)	= 1600 mg/kg (Rattus)	=800 mg/m <sup>3</sup> (Rattus) 4 h > 5 g/m <sup>3</sup> (Rattus) 6 h				
reaction mass of 5-chloro-2-methyl-2H-isothiazo I-3-one and 2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT]	= 53 mg/kg (Rat)	LD50 = 87.12 mg/kg (Oryctolagus cuniculus)	= 0.33 mg/L (Rat) 4h				
Delayed and immediate effects	as well as chronic effects fr	om short and long-term expo	sure				
Skin corrosion/irritation	Based on available data, the classification criteria are not met.						
Serious eye damage/eye irritat	ion Based on available data,	the classification criteria are not	t met.				
Respiratory or skin sensitisati	on May produce an allergic	reaction.					
Germ cell mutagenicity	Based on available data,	the classification criteria are not	t met.				
Carcinogenicity	Based on available data,	Based on available data, the classification criteria are not met.					
Reproductive toxicity	Based on available data,	the classification criteria are not	t met.				
STOT - single exposure	Based on available data,	the classification criteria are not	t met.				
STOT - repeated exposure	Based on available data,	the classification criteria are not	t met.				
Aspiration hazard	Based on available data,	Based on available data, the classification criteria are not met.					
11.2. Information on other hazards							
11.2.1. Endocrine disrupting	11.2.1. Endocrine disrupting properties						
Endocrine disrupting propertie	No information available.	No information available.					
11.2.2. Other information							
Other adverse effects	No information available.						

# **SECTION 12: Ecological information**

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# 12.1. Toxicity

### Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
Bronopol 52-51-7	EC50 (72h) = 0,068 mg/l (Anabaena flos aqua) (OECD 201)	LC50 (96h) = 3 mg/L (Oncorhynchus mykiss) (OECD 203)	mg/L 30 min EC50 = 0.50	EC50 (48h) =1.4 mg/L (Daphnia magna, static) (OECD 202)	10	1
reaction mass of 5-chloro-2-methyl-2H-is othiazol-3-one and 2-methyl-2H-isothiazol- 3-one (3:1) [C(M)IT/MIT] 55965-84-9	(Pseudokirchner		-	EC50 (48h) =0.1 mg/L (Daphnia magna) (OECD 202)	100	100

### 12.2. Persistence and degradability

#### Persistence and degradability No information available.

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

Method	Exposure time	Value	Results
OECD Test No. 301B: Ready	28 days	biodegradation	Not readily biodegradable
Biodegradability: CO2 Evolution Test	-	-	
(TG 301 B)			

# 12.3. Bioaccumulative potential

### Bioaccumulation

#### **Component Information**

Chemical name	Partition coefficient
Bronopol	0.22
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and	0.7
2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT]	

### 12.4. Mobility in soil

# Mobility in soil

No information available.

# 12.5. Results of PBT and vPvB assessment

**PBT and vPvB assessment** The product does not contain any substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
Bronopol	The substance is not PBT / vPvB
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and	The substance is not PBT / vPvB
2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT]	

### 12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

#### 12.7. Other adverse effects

No information available.

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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 international regulations as applicable.	
Contaminated packaging	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**

Note:	Keep from freezing.
Land transport (ADR/RID) 14.1 UN number or ID 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 regulated Not applicable None
IMDG 14.1 UN number or ID 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 Maritime transport in bulk according to IMO instruments	Not regulated Not regulated Not regulated Not regulated NP None Not applicable
Air transport (ICAO-TI / IATA-DGR) 14.1 UN number or ID number 14.2 Proper Shipping Name 14.3 Transport hazard class(es) 14.4 Packing group	Not regulated Not regulated Not regulated Not regulated

# Section 15: REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### European Union

14.5 Environmental hazards

**14.6 Special Provisions** 

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

Not applicable

None

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#### 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

#### National regulations

France

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

Chemical name	French RG number
Bronopol	RG 15bis,RG 74
52-51-7	

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)

DenmarkRegistration number(s) (P-no.)No information availableNorwayRegistration number(s) (PRN-no.)No information available

15.2. Chemical safety assessment

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Not applicable.

# **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
- H312 Harmful 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
- H335 May cause respiratory irritation
- H400 Very toxic to aquatic life
- H410 Very toxic to aquatic life with long lasting effects

#### SVHC: Substances of Very High Concern for Authorisation:

- 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
- LOW: List of Wastes (see http://ec.europa.eu/environment/waste/framework/list.htm)
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- IATA: International Air Transport Association
- ICAO: ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air
- IMDG: International Maritime Dangerous Goods
- RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

#### Legend SECTION 8: Exposure controls/personal protection

TWĂ	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
AGW	Occupational exposure limit value	BGW	Biological limit value
Ceiling	Maximum limit value	*	Skin designation

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - Vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS

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European Food Safety Authority (EFSA) European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC) European Chemicals Agency (ECHA) (ECHA\_API) EPA (Environmental Protection Agency) Acute Exposure Guideline Level(s) (AEGL(s)) International Uniform Chemical Information Database (IUCLID) National Institute of Technology and Evaluation (NITE) NIOSH (National Institute for Occupational Safety and Health) Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme Organisation for Economic Co-operation and Development Screening Information Data Set

Trouble Salety & Regulatory Allans
06-Jan-2023
SDS sections updated: 3 9 11 15 16
No information available
No information available

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

#### 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**