

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 WOOD A550 CLASSIC Supercedes Date: 12-Dec-2022

Revision date 06-Jan-2023 Revision Number 1.03

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

#### 1.1. Product identifier

Product Name BOSTIK WOOD A550 CLASSIC

Form This substance/ mixture contains nanoforms

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 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** 

#### **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

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Warning

#### **Hazard statements**

H317 - May cause an allergic skin reaction

## Precautionary Statements - EU (§28, 1272/2008)

P102 - Keep out of reach of children

P261 - Avoid breathing mist/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 & 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** This product does not contain any known or suspected endocrine disruptors.

## **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)				
1,2-benzisothiazol-3(2H)	(613-088-00-	2634-33-5	Acute Tox. 4 (H302)	Skin Sens. 1 ::	1	-	01-2120761540-
-one [BIT]	6)		Skin Irrit. 2 (H315)	C>=0.05%			60-XXXX
0.01 - < 0.05 %	220-120-9		Eye Dam. 1 (H318)				
			Skin Sens. 1 (H317)				
			Aquatic Acute 1 (H400)				
			Aquatic Chronic 2 (H411)				
2-methyl-2H-isothiazol-3-		2682-20-4	Skin Corr. 1B (H314)	Skin Sens. 1 ::	10	1	01-2120764690-
one [MIT]	9)		Eye Dam. 1 (H318)	C>=0.0015%			50-xxxx
0.0025 - <0.01 %	220-239-6		Skin Sens. 1A (H317)				
			Acute Tox. 3 (H301)				
			Acute Tox. 3 (H311)				
			Acute Tox. 2 (H330)				
			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				C>=0.6% Eye Irrit. 2 ::			48-XXXX
thiazol-3-one and			Acute Tox. 2 (H330)	0.06%<=C<0.6%			

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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	-	-	-
1,2-benzisothiazol-3(2 H)-one [BIT]	(613-088-00-6) 220-120-9	2634-33-5	670	-	-	-	-
2-methyl-2H-isothiazol- 3-one [MIT]	(613-326-00-9) 220-239-6	2682-20-4	285	243	0.11	-	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	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)

#### Notes

See section 16 for more information

Chemical name	Notes
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	В

## **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 off immediately with soap and plenty of 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

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conscious). Get medical attention immediately if symptoms occur.

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

**Symptoms** Itching. Rashes. Hives.

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

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Suitable Extinguishing Media Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam.

Full water jet. Unsuitable extinguishing media

5.2. Special hazards arising from the 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

precautions for fire-fighters

Special protective equipment and 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.

Use personal protection recommended in Section 8. For emergency responders

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

**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

See section 8 for more information. See section 13 for more information. Reference to other sections

## SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

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Advice on safe handling

Avoid breathing vapours or mists. Ensure adequate ventilation. Use personal protection

equipment. Avoid contact with skin, eyes or clothing.

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General hygiene considerations Do not eat, drink or smoke when using this product. Wash hands before breaks and after

work. Take off contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

**Storage Conditions** Protect from frost. Keep containers tightly closed in a dry, cool and well-ventilated place.

Keep away from food, drink and animal feedingstuffs.

Recommended storage

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temperature

Keep at temperatures between 5 and 35 °C.

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.

Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DNEL)					
1,2-benzisothiazol-3(2H)-one [BIT] (2634-33-5)					
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor		
worker Long term Systemic health effects	Inhalation	6.81 mg/m <sup>3</sup>			
worker Long term Systemic health effects	Dermal	0.966 mg/kg bw/d			

Derived No Effect Level (DNEL)					
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/m <sup>3</sup>			
Consumer Long term Systemic health effects	Dermal	0.345 mg/kg bw/d			

# Predicted No Effect Concentration (PNEC)

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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		

#### 8.2. Exposure controls

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**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.

Wear suitable gloves: Recommended Use:. Nitrile rubber. Butyl rubber. Neoprene™. Hand protection

Glove thickness > 0.4 mm. 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

None known

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480 min. Gloves must conform to standard EN 374

Skin and body protection Wear suitable protective clothing.

During spraying wear suitable respiratory equipment. Wear a respirator conforming to EN Respiratory protection

140 with Type A/P2 filter or better.

Organic gases and vapours filter conforming to EN 14387. White. Brown. Recommended filter type:

**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 Colour Brown

Odour Low. Characteristic. **Odour threshold** No information available

**Property** <u>Values</u> Remarks • Method

No data available Melting point / freezing point

Initial boiling point and boiling

range

Not applicable for liquids .

Flammability Limit in Air None known

100 °C

Upper flammability or explosive No data available

limits

**Flammability** 

Lower flammability or explosive No data available

limits

Not applicable . Flash point **Autoignition temperature** No data available

**Decomposition temperature** 

No data available None known

pH (as aqueous solution) Kinematic viscosity No data available

Dynamic viscosity 20 - 30 Pa.s Spindle Z3U @ 100 rpm @ 23 °C Soluble in water.

Water solubility No data available Solubility(ies) Partition coefficient No data available

Vapour pressure 120 Relative density 1.4 - 1.5 **Bulk Density** No data available

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Liquid Density 1.4 - 1.5 g/cm³
Relative vapour density No data available

Particle characteristics

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Particle Size No information available Particle Size Distribution No information available

9.2. Other information

Solid content (%) No information available

VOC content No data available

9.2.1. Information with regards to physical hazard classes

Not applicable

9.2.2. Other safety characteristics

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 Protect from frost.

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.

### SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

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** Itching. Rashes. Hives.

**Acute toxicity** 

Numerical measures of toxicity

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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/m³ (Rattus) 6 h
1,2-benzisothiazol-3(2H)-one [BIT]	=670 mg/kg (Rattus)	LD50 > 2000 mg/kg (Rattus)	-
2-methyl-2H-isothiazol-3-one [MIT]	LD50 =285 mg/Kg (Rattus)	LD50 >242 mg/Kg (Rattus)	=0.11 mg/L (Rattus) 4 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 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.

2-methyl-2H-isothiazol-3-one [MIT] (2682-20-4)

Method	Species	Exposure route	Results	
OECD Test No. 406: Skin	Guinea pig	Dermal	sensitising	
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.

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**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

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11.2.1. Endocrine disrupting properties

**Endocrine disrupting properties** No information available.

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)
Bronopol	EC50 (72h) =	LC50 (96h) = 3	EC50 = 0.41	EC50 (48h) =1.4	10	1
52-51-7	0,068 mg/l	mg/L	mg/L 30 min	mg/L (Daphnia		
	(Anabaena flos	(Oncorhynchus	EC50 = 0.50	magna, static)		
	aqua) (OECD	mykiss) (OECD	mg/L 15 min	(OECD 202)		
	201)	203)	EC50 = 0.91			
	•	-	mg/L 5 min			
1,2-benzisothiazol-3(2	EC50 3Hr	LC50 (96hr) 2.15	-	EC50(48hr) 2.94	1	
H)-one [BIT]	13mg/l (activated	mg/l Cyprinodon		mg/l (Daphnia		
2634-33-5	sludge) (OECD	variegatus EPA		Magna) OECD		
	209)	540/9-85-006		202		
2-methyl-2H-isothiazol-	EC50 (72hr)	EC50 (96hr)	-	EC50 (48hr)	10	1
3-one [MIT]	0.157 mg/l	5.71 mg/l		1.68 mg/l		
2682-20-4	(Pseudokirchner	(Oncorhynchus		(Daphnia)		
	iella subcapitata)	mykiss) OECD		(OECD 202)		
	(OECD 201)	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 subcapitata)	mykiss) (OECD		202)		
3-one (3:1)	(OECD 201)	211)				
[C(M)IT/MIT]						
55965-84-9						

## 12.2. Persistence and degradability

Persistence and degradability No information available.

2-methyl-2H-isothiazol-3-one [MIT] (2682-20-4)

2-metry-2H-isotriazor-3-one [ini i ] (2002-20-4)					
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					

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)

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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

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#### **Bioaccumulation**

**Component Information** 

Chemical name	Partition coefficient
Bronopol	0.22
1,2-benzisothiazol-3(2H)-one [BIT]	0.7
2-methyl-2H-isothiazol-3-one [MIT]	-0.32
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
1,2-benzisothiazol-3(2H)-one [BIT]	The substance is not PBT / vPvB
2-methyl-2H-isothiazol-3-one [MIT]	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]	The substance is not PBT / vPvB

#### 12.6. Endocrine disrupting properties

**Endocrine disrupting properties** No information available.

### 12.7. 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.

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.

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Land transport (ADR/RID)

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14.1 UN number or ID 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

**IMDG** 

14.1UN number or ID numberNot regulated14.2Proper Shipping NameNot regulated14.3Transport hazard class(es)Not regulated14.4Packing groupNot regulated14.5Marine pollutantNP

14.6 Special Provisions None

**14.7 Maritime transport in bulk** Not applicable

according to IMO instruments

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

14.1 UN number or ID numberNot regulated14.2 Proper Shipping NameNot regulated14.3 Transport hazard class(es)Not regulated14.4 Packing groupNot regulated14.5 Environmental hazardsNot 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 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

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### 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	
1,2-benzisothiazol-3(2H)-one [BIT]	RG 65
2634-33-5	
2-methyl-2H-isothiazol-3-one [MIT]	RG 15bis,RG 74
2682-20-4	

#### 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)

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)

Not Listed

#### Sweden

Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product. AFS 2012:3

Denmark

Registration number(s) (P-no.) 4453251

**Norway** 

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

15.2. Chemical safety assessment

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

H311 - Toxic in contact with skin

H312 - Harmful 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 eve 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

H411 - Toxic to aquatic life with long lasting effects

#### Notes relating to the identification, classification and labelling of substances

**Note B:** Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'.

In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis

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

TWA 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

European Food Safety Authority (EFSA)

European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)

European Chemicals Agency (ECHA) (ECHA\_API)

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EPA (Environmental Protection Agency)

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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

Prepared By Product Safety & Regulatory Affairs

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Revision note 1

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

Further information 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** 

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