

SAFETY DATA SHEET

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



Revision date: 28-Jul-2021

Revision Number: 1

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

1.1. Product identifier

Product Name: Conti RenoStar Base C
Article number: 036240360000
UFI: UPRR-AE7Y-GA0W-4004

Hazard components for labeling:
Contains 3(2H)-Isothiazolone, 2-methyl-

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

Product categories [PC]: PC9 - Coatings and paints, fillers, putties, thinners
Sector of uses [SU]: SU19 - Building and construction work

1.3. Details of the supplier of the safety data sheet

Supplier: conti coatings GmbH & Co. KG
Feldstrasse 55
D - 46149 Oberhausen
Telefon: +49 208/ 9948-0
Telefax: +49 208/ 650625
www.conticoatings.com

E-mail address sds.ob@conticoatings.com

1.4. Emergency telephone number

Emergency Telephone: +49 177 / 214 4737 (24 h)

Emergency Telephone - §45 - (EC)1272/2008	
Europe	112
Austria	+43 1 406 43 43 (Giftinformationszentrale)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin sensitization	Category 1A - (H317)
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2.2. Label elements



Signal word: Warning

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Hazard components for labeling:

Contains 3(2H)-Isothiazolone, 2-methyl-

Hazard statements:

H317 - May cause an allergic skin reaction.

EUH208 - Contains 1,2-Benzisothiazol-3(2H)-one, 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone May produce an allergic reaction.

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

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

P102 - Keep out of reach of children

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P280 - Wear protective gloves

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

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	CAS No	EC No	REACH registration number	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Weight-%
2-Bromo-2-nitro-1,3-propanediol	52-51-7	200-143-0	01-2119980938-15	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) STOT SE 3 (H335) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	0.01 - < 0.05
1,2-Benzisothiazol-3(2H)-one	2634-33-5	220-120-9	01-2120761540-60	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Eye Dam. 1 (H318) Acute Tox. 2 (H330) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)	0.01 - < 0.05
3(2H)-Isothiazolone, 2-methyl-	2682-20-4	220-239-6	01-2120764690-50	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Skin Corr. 1B (H314) Skin Sens. 1A (H317) Eye Dam. 1 (H318) Acute Tox. 2 (H330) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) (EUH071)	0.005 - < 0.01
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with	55965-84-9	611-341-5 911-418-6	01-2120764691-48	Acute Tox. 3 (H301) Acute Tox. 2 (H310)	0.001 - < 0.005

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2-methyl-3(2H)-isothiazolone				Skin Corr. 1B (H314) Skin Sens. 1A (H317) Eye Dam. 1 (H318) Acute Tox. 2 (H330) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) (EUH071)	
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[A] - Not classified, Data are conclusive but insufficient for classification

Chemical name	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Notes
2-Bromo-2-nitro-1,3-propanediol 52-51-7		10	1	
1,2-Benzisothiazol-3(2H)-one 2634-33-5	Skin Sens. 1 :: C>=0.05%			
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	Skin Sens. 1A :: C>=0.0015%	10	10	
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	Skin Corr. 1C :: C>=0.6% Skin Irrit. 2 :: 0.06%<=C<0.6% Eye Dam. 1 :: C>=0.6% Eye Irrit. 2 :: 0.06%<=C<0.6% Skin Sens. 1A :: C>=0.0015%	100	100	

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 (ATE_{mix}) for classifying a mixture based on its components

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
2-Bromo-2-nitro-1,3-propanediol 52-51-7	180	1600	No data available	No data available	No data available
1,2-Benzisothiazol-3(2H)-one 2634-33-5	490	2000	0.0501	0.501	No data available
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	120	242	0.34	0.501	No data available
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	457	660	0.0501	0.501	No data available

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

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

SECTION 4: First aid measures

4.1. Description of first aid measures

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Inhalation:	Remove to fresh air.
Eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact:	In the case of skin irritation or allergic reactions see a physician. Wash skin with soap and water.
Ingestion:	Rinse mouth.

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 physicians: Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire: CAUTION: Use of water spray when fighting fire may be inefficient.

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

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical: No information available.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters: Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Ensure adequate ventilation.

For emergency responders: Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions: See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

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Methods for containment: Prevent further leakage or spillage if safe to do so.
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 storage

7.1. Precautions for safe handling



Advice on safe handling: Ensure adequate ventilation.
General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep container tightly closed in a dry and well-ventilated place.

7.3. Specific end use(s)

Other information: No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits:

Chemical name	Austria	Switzerland	Poland	Norway	Ireland	Russia
3(2H)-Isothiazolone, 2-methyl-2682-20-4	TWA: 0.05 mg/m ³ Sh+	S+ TWA: 0.2 mg/m ³ STEL: 0.4 mg/m ³				
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	TWA: 0.05 mg/m ³ Sh+	S+ TWA: 0.2 mg/m ³				

Biological occupational exposure limits: This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

Derived No Effect Level (DNEL):

component information:

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Worker - inhalative:

Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
2-Bromo-2-nitro-1,3-propaned iol	3.5 mg/m ³	10.5 mg/m ³	2.5 mg/m ³	2.5 mg/m ³
1,2-Benzisothiazol-3(2H)-one	6.81 mg/m ³			
3(2H)-Isothiazolone, 2-methyl-			0.021 mg/m ³	0.043 mg/m ³
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone			0.02 mg/m ³	0.04 mg/m ³

Worker - dermal:

Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
2-Bromo-2-nitro-1,3-propaned iol	2 mg/kg bw/day	6 mg/kg bw/day	8 µg/cm ²	8 µg/cm ²
1,2-Benzisothiazol-3(2H)-one	0.966 mg/kg bw/day			

Consumer - inhalative:

Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
2-Bromo-2-nitro-1,3-propaned iol	0.6 mg/m ³	1.8 mg/m ³		0.6 mg/m ³
1,2-Benzisothiazol-3(2H)-one	1.2 mg/m ³			
3(2H)-Isothiazolone, 2-methyl-			0.021 mg/m ³	0.043 mg/m ³
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone			0.02 mg/m ³	0.04 mg/m ³

Consumer - dermal:

Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
2-Bromo-2-nitro-1,3-propaned iol	0.7 mg/kg bw/day	2.1 mg/kg bw/day	4 µg/cm ²	4 µg/cm ²
1,2-Benzisothiazol-3(2H)-one	0.345 mg/kg bw/day			

consumer - oral:

Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
2-Bromo-2-nitro-1,3-propaned iol	0.18 mg/kg bw/day	0.5 mg/kg bw/day		
3(2H)-Isothiazolone, 2-methyl-	0.027 mg/kg bw/day	0.053 mg/kg bw/day		
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone	0.09 mg/kg bw/day	0.11 mg/kg bw/day		

Predicted No Effect Concentration (PNEC):

component information:

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Chemical name	2-Bromo-2-nitro-1,3-propanediol CAS: 52-51-7
Freshwater	0.01 mg/L
Marine water	0.0008 mg/L
Freshwater (intermittent release)	0.0025 mg/L
Sewage treatment	0.43 mg/L
Freshwater sediment	0.041 mg/kg sediment dw
Marine sediment	0.00328 mg/kg sediment dw
Soil	0.5 mg/kg soil dw
Chemical name	1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5
Freshwater	4.03 µg/L
Marine water	0.403 µg/L
Freshwater (intermittent release)	1.1 µg/L
Marine water (intermittent release)	110 ng/L
Sewage treatment	1.03 mg/L
Freshwater sediment	49.9 µg/kg sediment dw
Marine sediment	4.99 µg/kg sediment dw
Soil	3 mg/kg soil dw
Chemical name	3(2H)-Isothiazolone, 2-methyl- CAS: 2682-20-4
Freshwater	3.39 µg/L
Marine water	3.39 µg/L
Freshwater (intermittent release)	3.39 µg/L
Marine water (intermittent release)	3.39 µg/L
Sewage treatment	0.23 mg/L
Soil	0.0471 mg/kg soil dw
Chemical name	5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone CAS: 55965-84-9
Freshwater	3.39 µg/L
Marine water	3.39 µg/L
Freshwater (intermittent release)	3.39 µg/L
Marine water (intermittent release)	3.39 µg/L
Sewage treatment	0.23 mg/L
Freshwater sediment	0.027 mg/kg sediment dw
Marine sediment	0.027 mg/kg sediment dw
Soil	0.01 mg/kg soil dw

8.2. Exposure controls

Engineering controls: None under normal use conditions.

Personal protective equipment: The usual precautionary measures for the handling of chemicals have to be observed.



Eye/face protection: No special protective equipment required.

PPE - Glove material	Glove thickness	Break through time
NBR (Nitrile rubber)	0.4 mm	>=480 min.

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Skin and body protection: No special protective equipment required.

Respiratory protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Recommended Filter Type: Filtering device (full mask or mouthpiec) with filter: AP-2

Environmental exposure controls: No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	dispersion				
Color	gray				
Odor	characteristic				
				<i>Conditions</i>	<i>Method</i>
Melting point / melting range					<i>Remarks</i>
Boiling point / boiling range	>	107	°C		Not established
Flammability					Not established
Decomposition temperature					not relevant
Flash point					Not established
Autoignition temperature					None known
Lower explosive limit					not relevant
Upper explosion limit					not relevant
Vapor pressure					Not established
Density	~	1.390	g/cm ³	20 °C	
Water solubility					Miscible
pH		8 - 9		20 °C	
pH (as aqueous solution)					Not applicable
Partition coefficient					Not established
Kinematic viscosity					Not applicable
Odor threshold					Not established
Relative density					Not established
Evaporation rate					Not established
Relative vapor density		no data available			
Particle Size		no data available			
Particle Size Distribution		no data available			

9.2. Other information

Bulk density: no data available

Softening point: No information available

Molecular weight: No information available

9.2.1. Information with regard to physical hazard classes:

Explosive properties: Not an explosive

Oxidizing properties: Not oxidising.

9.2.2. Other safety characteristics: No information available

SECTION 10: Stability and reactivity

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10.1. Reactivity

Reactivity: No information available.

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 reactions

Possibility of hazardous reactions: None under normal processing.

10.4. Conditions to avoid

Conditions to avoid: None known based on information supplied.

10.5. Incompatible materials

Incompatible materials: None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products: None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure:

Product Information: The product has not been tested

Inhalation: Specific test data for the substance or mixture is not available.

Eye contact: Specific test data for the substance or mixture is not available.

Skin contact: Specific test data for the substance or mixture is not available.

Ingestion: Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics:

Symptoms: No information available.

Numerical measures of toxicity:

Acute toxicity: No information available

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Chemical name	Parameter	Species	effective Dosis	Method
2-Bromo-2-nitro-1,3-propanediol 52-51-7	Oral LD50	Rat	180 mg/kg	
1,2-Benzisothiazol-3(2H)-one 2634-33-5	Oral LD50	Rat	490 mg/kg	
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	Oral LD50	Rat	120 mg/kg	
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	Oral LD50	Rat	457 mg/kg	

Chemical name	Parameters	Species	Effective dose	Method
2-Bromo-2-nitro-1,3-propanediol 52-51-7	Dermal LD50	Rat	1600 mg/kg	
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	Dermal LD50	Rabbit	200 mg/kg	
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	Dermal LD50	Rabbit	660 mg/kg	

Chemical name	Parameters	Species	Effective dose	Exposure time	Method
2-Bromo-2-nitro-1,3-propanediol 52-51-7	Inhalation LC50	Rat	800 mg/m ³	4 h	
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	Inhalation LC50	Rat	0.34 mg/L	4 h	
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	Inhalation LC50	Rat	171 - 2360 mg/m ³	4 h	

Delayed and immediate effects as well as chronic effects from short and long-term exposure:

Skin corrosion/irritation:	No information available.
Serious eye damage/eye irritation:	No information available.
Respiratory or skin sensitization:	No information available.
Germ cell mutagenicity:	No information available.
Carcinogenicity:	No information available.
Reproductive toxicity:	No information available.
STOT - single exposure:	No information available.
STOT - repeated exposure:	No information available.
Aspiration hazard:	No information available.

11.2. Information on other hazards

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11.2.1. Endocrine disrupting properties

No information available.

11.2.2. Other information

No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity: The environmental impact of this product has not been fully investigated.

fish toxicity:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
2-Bromo-2-nitro-1,3-propanediol 52-51-7	LC50	Lepomis macrochirus	11 mg/L	96 h	OECD 203
1,2-Benzisothiazol-3(2H)-one 2634-33-5	LC50		2.15 mg/L	96 h	
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	LC50		4.77 mg/L	96 h	
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	LC50	Oncorhynchus mykiss	0.22 mg/L	96 h	OECD 203

toxicity to crustacea:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
2-Bromo-2-nitro-1,3-propanediol 52-51-7	EC50	Daphnia magna	1.04 mg/L	48 h	OECD 202
1,2-Benzisothiazol-3(2H)-one 2634-33-5	EC50		2.9 mg/L	48 h	
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	LC50		0.934 mg/L	48 h	
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	EC50	Daphnia magna	0.1 mg/L	48 h	OECD 202

Algae Toxicity:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
2-Bromo-2-nitro-1,3-propanediol 52-51-7	EC50	Anabaena flos aqua	0.068 mg/L	72 h	OECD 201
1,2-Benzisothiazol-3(2H)-one 2634-33-5	EC50		0.11 mg/L	72 h	
3(2H)-Isothiazolone, 2-methyl-	EC50		0.103 mg/L	72 h	

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Chemical name	Parameter	Species	Effective dose	Exposure time	Method
2682-20-4					
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	EC50	Pseudokirchneriella subcapitata	0.048 mg/L	72 h	OECD 201

Bacteria toxicity:

Chemical name	Parameters	Species	Effective dose	Exposure time	Method
2-Bromo-2-nitro-1,3-propanediol 52-51-7	EC50	activated sludge	43 mg/L	3 h	
1,2-Benzisothiazol-3(2H)-one 2634-33-5	EC50		12.8 mg/L	3 h	
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	EC50		41 mg/L	3 h	
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	EC50	activated sludge	7.92 mg/L	3 h	

12.2. Persistence and degradability

Persistence and degradability:

Chemical name	degradation rate	test duration	Rapidly biodegradable	Remarks	Method
2-Bromo-2-nitro-1,3-propanediol 52-51-7	100 %	28 d	Yes		
1,2-Benzisothiazol-3(2H)-one 2634-33-5	100 %	0.04 d	Yes		OECD 307
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	100 %	0.07 d	Yes		
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	> 60 %	28 d	Yes		OECD 301

12.3. Bioaccumulative potential

Bioaccumulation:

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
2-Bromo-2-nitro-1,3-propanediol 52-51-7	0.38	3.16
1,2-Benzisothiazol-3(2H)-one 2634-33-5	1.3	6.62
3(2H)-Isothiazolone, 2-methyl-		3.16

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2682-20-4		
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	0.69	3.16

12.4. Mobility in soil

Mobility in soil: No information available.

Mobility: No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment:

Chemical name	PBT and vPvB assessment
2-Bromo-2-nitro-1,3-propanediol 52-51-7	The substance is not PBT / vPvB
1,2-Benzisothiazol-3(2H)-one 2634-33-5	The substance is not PBT / vPvB
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	The substance is not PBT / vPvB
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	The substance is not PBT / vPvB

12.6. 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 waste in accordance with environmental legislation. Dispose of in accordance with local regulations.

Contaminated packaging: Do not reuse empty containers.

Waste codes / waste designations according to EWC / AVV: 08 01 12 (waste paint and varnish other than those mentioned in 08 01 11)

SECTION 14: Transport information

14.1. UN number

ADR: Not regulated
RID: Not regulated
IMDG: Not regulated
IATA: Not regulated

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14.2 UN proper shipping name

ADR:	Not regulated
RID:	Not regulated
IMDG:	Not regulated
IATA:	Not regulated

14.3. Transport hazard class(es)

ADR:	Not regulated
RID:	Not regulated
IMDG:	Not regulated
IATA:	Not regulated

14.4. Packing group

ADR:	Not regulated
RID:	Not regulated
IMDG:	Not regulated
IATA:	Not regulated

14.5. Environmental hazards

ADR:	Not regulated
RID:	Not regulated
IMDG:	Not regulated
IATA:	Not regulated

14.6. Special precautions for user

ADR:	Not regulated
Special Provisions:	None
RID:	Not regulated
Special Provisions:	None
IMDG:	Not regulated
Special Provisions:	None
IATA:	Not regulated
Special Provisions:	None

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

No information available

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

Authorizations and/or restrictions on use:

- This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex

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XVII)

Chemical name	Substance subject to authorization per REACH Annex XIV	Restricted substance per REACH Annex XVII
2-Bromo-2-nitro-1,3-propanediol 52-51-7		75.
1,2-Benzisothiazol-3(2H)-one 2634-33-5		75.
3(2H)-Isothiazolone, 2-methyl- 2682-20-4		75.
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9		3

Persistent Organic Pollutants: Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009: Not applicable

Chemical name	Biocidal Products Regulation (EU) No 528/2012 (BPR)
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	13 - Working or cutting fluid preservatives 12 - Slimicides 11 - Preservatives for liquid-cooling and processing systems
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	2 - Disinfectants and algacides not intended for direct application to humans or animals 4 - Food and feed area disinfectant 6 - Preservatives for products during storage 11 - Preservatives for liquid-cooling and processing systems 12 - Slimicides 13 - Working or cutting fluid preservatives

volatile organic compounds (VOC) content:

acc. reg. 2010/75/EG:

0 %

acc. reg. 2004/42/EG (Decopaint):

0 g/L 0 %

National regulations:

Denmark:

Chemical name	Denmark - MAL
2-Bromo-2-nitro-1,3-propanediol 52-51-7	50000 m3/10 g substance MAL factor 2500 m3/10 g substance MAL factor □
1,2-Benzisothiazol-3(2H)-one 2634-33-5	0 m3/10 g substance MAL factor >=1.0 % by weight [3]
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	0 m3/10 g substance MAL factor >=0.03 - 1.0 % by weight [3] >=0.003 - 1.0 % by weight [3] >=1.0 % by weight [6]

Chemical name	WGK Classification (AwSV)	ID number
2-Bromo-2-nitro-1,3-propanediol 52-51-7	2	5204
1,2-Benzisothiazol-3(2H)-one 2634-33-5	2	5141
3(2H)-Isothiazolone, 2-methyl-	3	2960

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2682-20-4		
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	3	2959

TA Luft (German Air Pollution Control Regulation):
total dust incl. fine dust (digit 5.2.1): 40 - 45%
org. subst. dust (digit 5.2.5): < 5%

Storage class (TRGS 510): LGK12 - Non-combustible liquids

France:

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

Chemical name	French RG number
1,2-Benzisothiazol-3(2H)-one 2634-33-5	RG 65

RG 65 - Allergic eczema

Netherlands:

Water contaminating class (Netherlands): B (4)

Austria:

Flammable Liquids Regulations, VbF: Not regulated

Switzerland:

VOC content:: acc. VOCV CH 814.018, att. 1: 0 %

International Inventories:

TSCA	Does not comply
DSL/NDSL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- IECSC** - China Inventory of Existing Chemical Substances
- KECL** - Korean Existing and Evaluated Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AICS** - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

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Chemical Safety Report: No information available

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:

EUH071 - Corrosive to the respiratory tract
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
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
H411 - Toxic to aquatic life with long lasting effects

Legend:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
ADR: European agreement concerning the international carriage of dangerous goods by road (Accord européen relatif transport des marchandises dangereuses par route)
AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany)
BCF: Bio-Concentration Factor
BOD(5): Biochemical oxygen demand (within 5 days)
CAS: Chemical Abstract Service
CLP: Classification, Labelling and Packaging
CMR: Carcinogenic, Mutagenic, toxic for Reproduction
DIN: German Standards Institute / German industrial norm
DNEL: Derived No Effect Level
DOC: Dissolved organic carbon
EAK/ AVV: European waste catalogue/ waste directory-regulation
EC50: Effective Concentration 50%
ECHA: European Chemical Agency
EINECS: European Inventory of Existing Commercial Chemical Substances
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
IATA: International Air Transport Association
IC50: Inhibition Concentration 50%
IMDG: International Maritime Dangerous Goods Code
LC50: Lethal Concentration 50% - LD50: Lethal dose 50%
MAK: Treshold limit values Germany
NLP: No Longer Polymers
NOAEC: No Observed Adverse Effect Concentration
NOAEL: No Observed Adverse Effect Level
OECD: Organization for Economic Cooperation and Development
PBT: persistent, bioaccumulative, toxic
PC: Product category
PNEC: Predicted No Effect Concentration
REACH: Registration, Evaluation and Authorization of Chemicals

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RID: Regulations concerning the international carriage of dangerous goods by rail
(Règlement International concernant le transport de marchandises dangereuses par chemin de fer)
STEL: Short-term Exposure Limit
STP: Sewage treatment plant
SVHC: Substance of Very High Concern
TLV: Threshold Limit Value
TWA: Time Weighted Average
UN: United Nations
VOC: Volatile Organic Compounds
vPvB: very persistent, very bioaccumulative

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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 - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitization	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 Chemicals Agency (ECHA)
Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGl(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program

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Organization for Economic Co-operation and Development Screening Information Data Set
RTECS (Registry of Toxic Effects of Chemical Substances)
World Health Organization

Revision date: 18-Nov-2021

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006:

Disclaimer:

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End of Safety Data Sheet