

**Trade name:** edding brilliant paper marker ink (brown) contained in: edding 30, edding 33

**Current version :** 3.2.0, issued: 05.08.2020

**Replaced version:** 3.1.0, issued: 25.02.2020

**Region:** GB

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

### 1.1 Product identifier

**Trade name**

**edding brilliant paper marker ink (brown) contained in: edding 30, edding 33**

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

**Relevant identified uses of the substance or mixture**

Ink for stationery products

**Uses advised against**

No data available.

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

**Address**

edding International GmbH

Bookkoppel 7

D-22926 Ahrensburg

Telephone no. +49 (0) 41 02 / 80 8-0

**Information provided by / telephone**

+49 (0)4102 - 808-0

**Advice on Safety Data Sheet**

sdb\_info@umco.de

### 1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)30 30686 790 (Giftnotruf Berlin)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Eye Irrit. 2; H319

Skin Irrit. 2; H315

Skin Sens. 1; H317

**Classification information**

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)**

**Hazard pictograms**



GHS07

**Signal word**

Warning

**Hazardous component(s) to be indicated on label:**

1,2-benzisothiazol-3(2H)-one

**Hazard statement(s)**

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H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.

**Precautionary statement(s)**

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P501 Dispose of contents/container to a facility in accordance with local and national regulations.

**2.3 Other hazards**

No data available.

**SECTION 3: Composition/information on ingredients**
**3.1 Substances**

Not applicable. The product is not a substance.

**3.2 Mixtures**
**Chemical characterization**

Mixture (preparation)

**Hazardous ingredients**

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration %
1	<b>ethanediol</b>		
	107-21-1 203-473-3 603-027-00-1 01-2119456816-28	Acute Tox. 4; H302 STOT RE 2; H373o	>= 5.00 - < 10.00 % -b.w.
2	<b>ammonia</b>		
	1336-21-6 215-647-6 007-001-01-2 -	Aquatic Acute 1; H400 Skin Corr. 1B; H314 Eye Dam. 1; H318	< 2.50 % -b.w.
3	<b>propan-2-ol</b>		
	67-63-0 200-661-7 603-117-00-0 01-2119457558-25-0085	Eye Irrit. 2; H319 Flam. Liq. 2; H225 STOT SE 3; H336	< 2.50 % -b.w.
4	<b>1,2-benzisothiazol-3(2H)-one</b>		
	2634-33-5 220-120-9 613-088-00-6 01-2120761540-60	Acute Tox. 4; H302 Aquatic Acute 1; H400 Eye Dam. 1; H318 Skin Irrit. 2; H315 Skin Sens. 1; H317	< 0.50 % -b.w.
5	<b>CARBON BLACK</b>		
	1333-86-4 215-609-9 - -	-	< 2.50 % -b.w.

Full Text for all H-phrases and EUH-phrases: pls. see section 16

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
2	-	STOT SE 3; H335: C >= 5%	-	-
4	-	Skin Sens. 1; H317: C >= 0.05%	M = 10	-

No	Route, target organ, concrete effect
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1	H373 oral; kidneys; -
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**3.3 Other information**

The data subject of this Material Safety Data sheet refer to the ink contained in this product (marker).

**SECTION 4: First aid measures****4.1 Description of first aid measures****General information**

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

**After inhalation**

Remove affected person from the immediate area. Ensure supply of fresh air.

**After skin contact**

Wash off immediately with soap and water.

**After eye contact**

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

**After ingestion**

Rinse mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person.

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

No data available.

**4.3 Indication of any immediate medical attention and special treatment needed**

No data available.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing media**

Foam; Extinguishing powder; Carbon dioxide; Water spray jet

**Unsuitable extinguishing media**

High power water jet

**5.2 Special hazards arising from the substance or mixture**

In the event of fire, the following can be released: Carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO)

**5.3 Advice for firefighters**

Use self-contained breathing apparatus. Wear protective clothing. Cool endangered containers with water spray jet.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

**For emergency responders**

No data available. Personal protective equipment (PPE) - see Section 8.

**6.2 Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

**6.3 Methods and material for containment and cleaning up**

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). Send in suitable containers for recovery or disposal.

**6.4 Reference to other sections**

No data available.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advice on safe handling

Provide good ventilation at the work area (local exhaust ventilation, if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn.

#### General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Do not inhale vapours. Clean skin thoroughly after work; apply skin cream.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight.

#### Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

### 7.3 Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	ethanediol	107-21-1	203-473-3
	2000/39/EC		
	Ethylene glycol		
	WEL short-term (15 min reference period)	104	mg/m <sup>3</sup> 40 ppm
	WEL long-term (8-hr TWA reference period)	52	mg/m <sup>3</sup> 20 ppm
	Skin resorption / sensibilisation	Skin	
	List of approved workplace exposure limits (WELs) / EH40		
	Ethane-1,2-diol vapour		
	WEL short-term (15 min reference period)	104	mg/m <sup>3</sup> 40 ppm
	WEL long-term (8-hr TWA reference period)	52	mg/m <sup>3</sup> 20 ppm
	Comments	Sk	
	List of approved workplace exposure limits (WELs) / EH40		
	Ethane-1,2-diol particulate		
	WEL long-term (8-hr TWA reference period)	10	mg/m <sup>3</sup>
	Comments	Sk	
2	CARBON BLACK	1333-86-4	215-609-9
	List of approved workplace exposure limits (WELs) / EH40		
	Carbon black		
	WEL short-term (15 min reference period)	7	mg/m <sup>3</sup>
	WEL long-term (8-hr TWA reference period)	3.5	mg/m <sup>3</sup>
3	propan-2-ol	67-63-0	200-661-7
	List of approved workplace exposure limits (WELs) / EH40		
	Propan-2-ol		
	WEL short-term (15 min reference period)	1250	mg/m <sup>3</sup> 500 ppm
	WEL long-term (8-hr TWA reference period)	999	mg/m <sup>3</sup> 400 ppm

#### DNEL, DMEL and PNEC values

##### DNEL values (worker)

No	Substance name	CAS / EC no
	Route of exposure	Exposure time
	Effect	Value

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1	<b>ethanediol</b>			<b>107-21-1</b> <b>203-473-3</b>	
	dermal	Long term (chronic)	systemic	106	mg/kg/day
	inhalative	Long term (chronic)	local	35	mg/m <sup>3</sup>
2	<b>propan-2-ol</b>			<b>67-63-0</b> <b>200-661-7</b>	
	dermal	Long term (chronic)	systemic	888	mg/kg/day
	inhalative	Long term (chronic)	systemic	500	mg/m <sup>3</sup>
3	<b>1,2-benzisothiazol-3(2H)-one</b>			<b>2634-33-5</b> <b>220-120-9</b>	
	dermal	Long term (chronic)	systemic	0.966	mg/kg/day
	inhalative	Long term (chronic)	systemic	6.81	mg/m <sup>3</sup>

**DNEL value (consumer)**

No	Substance name	Route of exposure	Exposure time	Effect	CAS / EC no	Value
1	<b>ethanediol</b>				<b>107-21-1</b> <b>203-473-3</b>	
	dermal	Long term (chronic)	systemic		53	mg/kg/day
	inhalative	Long term (chronic)	local		7	mg/m <sup>3</sup>
2	<b>propan-2-ol</b>				<b>67-63-0</b> <b>200-661-7</b>	
	oral	Long term (chronic)	systemic		26	mg/kg/day
	dermal	Long term (chronic)	systemic		319	mg/kg/day
	inhalative	Long term (chronic)	systemic		89	mg/m <sup>3</sup>
3	<b>1,2-benzisothiazol-3(2H)-one</b>				<b>2634-33-5</b> <b>220-120-9</b>	
	dermal	Long term (chronic)	systemic		0.345	mg/kg/day
	inhalative	Long term (chronic)	systemic		1.2	mg/m <sup>3</sup>

**PNEC values**

No	Substance name	ecological compartment	Type	CAS / EC no	Value
1	<b>ethanediol</b>			<b>107-21-1</b> <b>203-473-3</b>	
	water	fresh water		10	mg/L
	water	marine water		1	mg/L
	water	Aqua intermittent		10	mg/L
	water	fresh water sediment		37	mg/kg dry weight
	water	marine water sediment		3.7	mg/kg dry weight
	soil	-		1.53	mg/kg dry weight
	sewage treatment plant	-		199.5	mg/L
2	<b>propan-2-ol</b>			<b>67-63-0</b> <b>200-661-7</b>	
	water	fresh water		140.9	mg/L
	water	Aqua intermittent		140.9	mg/L
	water	marine water		140.9	mg/L
	water	fresh water sediment		552	mg/L
	water	marine water sediment		552	mg/L
	soil	-		28	mg/kg
	sewage treatment plant	-		2251	mg/L
	secondary poisoning with reference to: food	-		160	mg/kg
3	<b>1,2-benzisothiazol-3(2H)-one</b>			<b>2634-33-5</b> <b>220-120-9</b>	
	water	fresh water		11	µg/L
	water	marine water		1.1	µg/L

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	water	fresh water sediment	49.9	µg/kg dry weight
	water	marine water sediment	4.99	µg/kg dry weight
	soil	-	3	mg/kg dry weight
	sewage treatment plant	-	1.03	mg/L

## 8.2 Exposure controls

### Appropriate engineering controls

No data available.

### Personal protective equipment

#### Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

#### Eye / face protection

Safety glasses with side protection shield (EN 166)

#### Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

#### Other

Normal chemical work clothing.

### Environmental exposure controls

No data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Form/Colour</b>	
liquid	
brown	
<b>Odour</b>	
No data available	
<b>Odour threshold</b>	
No data available	
<b>pH value</b>	
No data available	
<b>Boiling point / boiling range</b>	
Value	100 °C
<b>Melting point / melting range</b>	
No data available	
<b>Decomposition point / decomposition range</b>	
No data available	
<b>Flash point</b>	
No data available	
<b>Auto-ignition temperature</b>	
No data available	

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<b>Oxidising properties</b>			
No data available			
<b>Explosive properties</b>			
No data available			
<b>Flammability (solid, gas)</b>			
No data available			
<b>Lower flammability or explosive limits</b>			
No data available			
<b>Upper flammability or explosive limits</b>			
No data available			
<b>Vapour pressure</b>			
No data available			
<b>Vapour density</b>			
No data available			
<b>Evaporation rate</b>			
No data available			
<b>Relative density</b>			
No data available			
<b>Density</b>			
No data available			
<b>Solubility in water</b>			
Comments		soluble	
<b>Solubility(ies)</b>			
No data available			
<b>Partition coefficient: n-octanol/water</b>			
<b>No</b>	<b>Substance name</b>	<b>CAS no.</b>	<b>EC no.</b>
<b>1</b>	<b>ethanediol</b>	<b>107-21-1</b>	<b>203-473-3</b>
log Pow		-1.36	
Reference temperature		25	°C
Source		ECHA	
<b>2</b>	<b>propan-2-ol</b>	<b>67-63-0</b>	<b>200-661-7</b>
log Pow		0.05	
Reference temperature		25	°C
Source		ECHA	
<b>3</b>	<b>1,2-benzisothiazol-3(2H)-one</b>	<b>2634-33-5</b>	<b>220-120-9</b>
log Pow		0.7	
Reference temperature		20	°C
Method		EEC A8	
Source		ECHA	
<b>Viscosity</b>			
No data available			

## 9.2 Other information

<b>Other information</b>
No data available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

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**10.3 Possibility of hazardous reactions**

No data available.

**10.4 Conditions to avoid**

Heat, naked flames and other ignition sources.

**10.5 Incompatible materials**

No data available.

**10.6 Hazardous decomposition products**

No data available.

**SECTION 11: Toxicological information**
**11.1 Information on toxicological effects**

Acute oral toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	edding brilliant paper marker ink (brown) contained in: edding 30, edding 33
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg).

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
LD50		5840	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
LD50		670	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
LD50		> 2000	mg/kg bodyweight
Species	rat		
Method	OECD 402		
Source	ECHA		

Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
LC50		10000	ppmV
Duration of exposure		6	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	ethanediol	107-21-1	203-473-3



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Duration of exposure	20	h
Species	rabbit	
Source	ECHA	
Evaluation	non-irritant	
<b>2</b>	<b>propan-2-ol</b>	<b>67-63-0 200-661-7</b>
Species	rabbit	
Source	ECHA	
Evaluation	non-irritant	
Evaluation/classification	Based on available data, the classification criteria are not met.	
<b>3</b>	<b>1,2-benzisothiazol-3(2H)-one</b>	<b>2634-33-5 220-120-9</b>
Duration of exposure	4	h
Species	rabbit	
Method	EPA OPP 81-5	
Source	ECHA	
Evaluation	irritant	

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>ethanediol</b>	<b>107-21-1</b>	<b>203-473-3</b>
Duration of exposure	24	h	
Species	rabbit		
Source	ECHA		
Evaluation	non-irritant		
<b>2</b>	<b>propan-2-ol</b>	<b>67-63-0</b>	<b>200-661-7</b>
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	irritant		
Evaluation/classification	Based on available data, the classification criteria are met.		
<b>3</b>	<b>1,2-benzisothiazol-3(2H)-one</b>	<b>2634-33-5</b>	<b>220-120-9</b>
Species	rabbit		
Method	EPA OPP 81-4		
Source	ECHA		
Evaluation	corrosive		

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>ethanediol</b>	<b>107-21-1</b>	<b>203-473-3</b>
Route of exposure	Skin		
Species	guinea pig		
Source	ECHA		
Evaluation	non-sensitizing		
<b>2</b>	<b>propan-2-ol</b>	<b>67-63-0</b>	<b>200-661-7</b>
Route of exposure	Skin		
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	non-sensitizing		
Evaluation/classification	Based on available data, the classification criteria are not met.		
<b>3</b>	<b>1,2-benzisothiazol-3(2H)-one</b>	<b>2634-33-5</b>	<b>220-120-9</b>
Route of exposure	Skin		
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	sensitizing		

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>ethanediol</b>	<b>107-21-1</b>	<b>203-473-3</b>
Type of examination	Bacterial Reverse Mutation Test		
Species	Salmonella typhimurium: TA 1535, TA 1537, TA 98, TA 100;		

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Method	Escherichia coli WP2 uvrA
Source	OECD 471
Evaluation/classification	ECHA
	Based on available data, the classification criteria are not met.
<b>2</b>	<b>propan-2-ol</b>
	<b>67-63-0</b>
	<b>200-661-7</b>
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.
<b>3</b>	<b>1,2-benzisothiazol-3(2H)-one</b>
	<b>2634-33-5</b>
	<b>220-120-9</b>
Species	mouse lymphoma cells
Method	OECD 476
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

Reproduction toxicity		
No	Substance name	CAS no.
		EC no.
<b>1</b>	<b>ethanediol</b>	<b>107-21-1</b>
		<b>203-473-3</b>
Source	ECHA	
Evaluation/classification	Based on available data, the classification criteria are not met.	
<b>2</b>	<b>1,2-benzisothiazol-3(2H)-one</b>	<b>2634-33-5</b>
		<b>220-120-9</b>
NOAEL	112	mg/kg bw/d
Species	rat	
Method	EPA OPPTS 870.3800	
Source	ECHA	

Carcinogenicity		
No	Substance name	CAS no.
		EC no.
<b>1</b>	<b>ethanediol</b>	<b>107-21-1</b>
		<b>203-473-3</b>
Source	ECHA	
Evaluation/classification	Based on available data, the classification criteria are not met.	

STOT - single exposure
No data available

STOT - repeated exposure		
No	Substance name	CAS no.
		EC no.
<b>1</b>	<b>ethanediol</b>	<b>107-21-1</b>
		<b>203-473-3</b>
Route of exposure	oral	
NOAEL	150	mg/kg bw/d
Duration of exposure	12	months
Species	rat	
Target organ	kidneys	
Method	OECD 452	
Source	ECHA	
Evaluation/classification	Based on available data, the classification criteria are met.	
<b>2</b>	<b>propan-2-ol</b>	<b>67-63-0</b>
		<b>200-661-7</b>
Route of exposure	inhalational	
Source	ECHA	
Evaluation/classification	Based on available data, the classification criteria are not met.	
<b>3</b>	<b>1,2-benzisothiazol-3(2H)-one</b>	<b>2634-33-5</b>
		<b>220-120-9</b>
NOAEL	69	mg/kg bw/d
Duration of exposure	90	day(s)
Method	EPA OPP 82-1	
Source	ECHA	
Evaluation/classification	Based on available data, the classification criteria are not met.	

Aspiration hazard
No data available

Other information
Exercise customary precautions when handling chemicals.

## SECTION 12: Ecological information

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## 12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	ethanediol	107-21-1	203-473-3
LC50	>	72860	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Source	ECHA		
2	propan-2-ol	67-63-0	200-661-7
LC50	>	9640	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Method	OECD 203		
Source	ECHA		
3	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
LC50		2.18	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		

Toxicity to fish (chronic)			
No data available			

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	ethanediol	107-21-1	203-473-3
EC50	>	100	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
2	propan-2-ol	67-63-0	200-661-7
EC50	>	10000	mg/l
Duration of exposure		24	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
3	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
EC50		2.94	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Toxicity to Daphnia (chronic)			
No data available			

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
ErC50		150	µg/l
Duration of exposure		72	h
Species	Selenastrum capricornutum		
Method	OECD 201		
Source	ECHA		

Toxicity to algae (chronic)			
No data available			

Bacteria toxicity			
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No	Substance name	CAS no.	EC no.
1	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
EC50		13	mg/l
Duration of exposure		3	h
Species	activated sludge		
Method	OECD 209		
Source	ECHA		

## 12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	ethanediol	107-21-1	203-473-3
Type	DOC decrease		
Value	90	- 100	%
Duration		10	day(s)
Method	OECD 301 A		
Source	ECHA		
Evaluation	readily biodegradable		
2	propan-2-ol	67-63-0	200-661-7
Type	BOD/COD		
Value		53	%
Duration		5	day(s)
Source	ECHA		
Evaluation	readily biodegradable		
3	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
Value		85	%
Duration		63	day(s)
Method	OECD 301 C		
Source	ECHA		
Evaluation	not readily biodegradable		

## 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water			
No	Substance name	CAS no.	EC no.
1	ethanediol	107-21-1	203-473-3
log Pow		-1.36	
Reference temperature		25	°C
Source	ECHA		
2	propan-2-ol	67-63-0	200-661-7
log Pow		0.05	
Reference temperature		25	°C
Source	ECHA		
3	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
log Pow		0.7	
Reference temperature		20	°C
Method	EEC A8		
Source	ECHA		

## 12.4 Mobility in soil

No data available.

## 12.5 Results of PBT and vPvB assessment

No data available.

## 12.6 Other adverse effects

No data available.

## 12.7 Other information

Other information
Do not discharge product unmonitored into the environment.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

#### Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

## SECTION 14: Transport information

### 14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

### 14.2 Transport IMDG

The product is not subject to IMDG regulations.

### 14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

### 14.4 Other information

No data available.

### 14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

### 14.6 Special precautions for user

No data available.

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant

## SECTION 15: Regulatory information

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

#### EU regulations

#### Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

#### REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

#### Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annexe XVII.

No 3

#### Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

## SECTION 16: Other information

Sources of key data used to compile the data sheet:

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Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

**Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)**

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
H373o	May cause damage to organs through prolonged or repeated exposure if swallowed.
H400	Very toxic to aquatic life.

**Creation of the safety data sheet**

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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