

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

**Current version :** 3.1.1, issued: 27.10.2022

**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 (yellow) 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)**

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)**

H317 May cause an allergic skin reaction.

**Precautionary statement(s)**

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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	>= 1.00 - < 5.00	wt%
2	<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	wt%
3	<b>ammonia</b>			
	1336-21-6 215-647-6 007-001-01-2 01-2119488876-14	Skin Corr. 1B; H314 Eye Dam. 1; H318 STOT SE 3; H335 Aquatic Acute 1; H400	< 2.50	wt%
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	wt%

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

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

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

No	Route, target organ, concrete effect
1	H373 oral; kidneys; -

#### Acute toxicity estimate (ATE) values

No	oral	dermal	inhalative
3	350 mg/kg bodyweight		
4	670 mg/kg bodyweight		

### 3.3 Other information

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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 the 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.

## SECTION 7: Handling and storage

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## 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
	<b>2000/39/EC</b>		
	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	
	<b>List of approved workplace exposure limits (WELs) / EH40</b>		
	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	
	<b>List of approved workplace exposure limits (WELs) / EH40</b>		
	Ethane-1,2-diol particulate		
	WEL long-term (8-hr TWA reference period)	10	mg/m <sup>3</sup>
	Comments	Sk	
2	propan-2-ol	67-63-0	200-661-7
	<b>List of approved workplace exposure limits (WELs) / EH40</b>		
	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
1	ethanediol			<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	propan-2-ol			<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>

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3	<b>ammonia</b>			<b>1336-21-6</b> <b>215-647-6</b>	
	dermal	Short term (acut)	systemic	6.8	mg/kg/day
	with reference to: CAS 7664-41-7				
	dermal	Long term (chronic)	systemic	6.8	mg/kg/day
	with reference to: CAS 7664-41-7				
	inhalative	Short term (acut)	systemic	47.6	mg/m <sup>3</sup>
	with reference to: CAS 7664-41-7				
	inhalative	Short term (acut)	local	36	mg/m <sup>3</sup>
	with reference to: CAS 7664-41-7				
	inhalative	Long term (chronic)	systemic	47.6	mg/m <sup>3</sup>
	with reference to: CAS 7664-41-7				
	inhalative	Long term (chronic)	local	14	mg/m <sup>3</sup>
	with reference to: CAS 7664-41-7				
4	<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			CAS / EC no	
	Route of exposure	Exposure time	Effect	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>ammonia</b>			<b>1336-21-6</b> <b>215-647-6</b>	
	oral	Short term (acut)	systemic	6.8	mg/kg/day
	with reference to: CAS 7664-41-7				
	oral	Long term (chronic)	systemic	6.8	mg/kg/day
	with reference to: CAS 7664-41-7				
	dermal	Short term (acut)	systemic	68	mg/kg/day
	with reference to: CAS 7664-41-7				
	dermal	Long term (chronic)	systemic	68	mg/kg/day
	with reference to: CAS 7664-41-7				
	inhalative	Short term (acut)	systemic	23.8	mg/m <sup>3</sup>
	with reference to: CAS 7664-41-7				
	inhalative	Short term (acut)	local	7.2	mg/m <sup>3</sup>
	with reference to: CAS 7664-41-7				
	inhalative	Long term (chronic)	systemic	23.8	mg/m <sup>3</sup>
	with reference to: CAS 7664-41-7				
	inhalative	Long term (chronic)	local	2.8	mg/m <sup>3</sup>
	with reference to: CAS 7664-41-7				
4	<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		CAS / EC no	
	ecological compartment	Type	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

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	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>ammonia</b>		<b>1336-21-6</b> <b>215-647-6</b>	
	water	fresh water	0.0011	mg/L
	with reference to: CAS: 7664-41-7			
	water	marine water	0.0011	mg/L
	with reference to: CAS: 7664-41-7			
	water	Aqua intermittent	0.0068	mg/L
	with reference to: CAS: 7664-41-7			
4	<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
	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.

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**Environmental exposure controls**

No data available.

**SECTION 9: Physical and chemical properties**
**9.1 Information on basic physical and chemical properties**

<b>State of aggregation</b>			
liquid			
<b>Form</b>			
liquid			
<b>Colour</b>			
yellow			
<b>Odour</b>			
No data available			
<b>pH value</b>			
No data available			
<b>Boiling point / boiling range</b>			
Value	appr.	100	°C
<b>Melting point/freezing point</b>			
No data available			
<b>Decomposition temperature</b>			
No data available			
<b>Flash point</b>			
No data available			
<b>Ignition temperature</b>			
No data available			
<b>Flammability</b>			
No data available			
<b>Lower explosion limit</b>			
No data available			
<b>Upper explosion limit</b>			
No data available			
<b>Vapour pressure</b>			
No data available			
<b>Relative vapour density</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</b>			
No data available			
<b>Partition coefficient n-octanol/water (log value)</b>			
<b>No</b>	<b>Substance name</b>	<b>CAS no.</b>	<b>EC no.</b>
1	ethanediol	107-21-1	203-473-3
log Pow		-1.36	
Reference temperature		25	°C

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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		

#### Kinematic viscosity

No data available

#### Particle characteristics

No data available

## 9.2 Other information

#### Other information

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).

### 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 hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	edding brilliant paper marker ink (yellow) 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	ammonia	1336-21-6	215-647-6

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LD50		350	mg/kg bodyweight
Species with reference to	rat		
Method	CAS 7664-41-7		
Source	OECD 401		
	ECHA		
<b>3</b>	<b>1,2-benzisothiazol-3(2H)-one</b>	<b>2634-33-5</b>	<b>220-120-9</b>
LD50		670	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		

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

<b>Acute inhalational toxicity</b>			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>propan-2-ol</b>	<b>67-63-0</b>	<b>200-661-7</b>
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.		

<b>Skin corrosion/irritation</b>			
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		20	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		
Source	ECHA		
Evaluation	non-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		
<b>3</b>	<b>ammonia</b>	<b>1336-21-6</b>	<b>215-647-6</b>
Duration of exposure		4	h
Species with reference to	rabbit		
Method	CAS 7664-41-7		
Source	OECD 404		
Evaluation	ECHA		
	corrosive		
<b>4</b>	<b>1,2-benzisothiazol-3(2H)-one</b>	<b>2634-33-5</b>	<b>220-120-9</b>
Duration of exposure		4	h
Species	rabbit		
Method	EPA OPP 81-5		
Source	ECHA		
Evaluation	irritant		

<b>Serious eye damage/irritation</b>			
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		

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2	propan-2-ol	67-63-0	200-661-7
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	irritant		
Evaluation/classification	Based on available data, the classification criteria are met.		
3	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
Species	rabbit		
Method	EPA OPP 81-4		
Source	ECHA		
Evaluation	corrosive		

**Respiratory or skin sensitisation**

No	Substance name	CAS no.	EC no.
1	ethanediol	107-21-1	203-473-3
Route of exposure		Skin	
Species	guinea pig		
Source	ECHA		
Evaluation	non-sensitizing		
2	propan-2-ol	67-63-0	200-661-7
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.		
3	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
Route of exposure		Skin	
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	sensitizing		

**Germ cell mutagenicity**

No	Substance name	CAS no.	EC no.
1	ethanediol	107-21-1	203-473-3
Type of examination	Bacterial Reverse Mutation Test		
Species	Salmonella typhimurium: TA 1535, TA 1537, TA 98, TA 100; Escherichia coli WP2 uvrA		
Method	OECD 471		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	propan-2-ol	67-63-0	200-661-7
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
3	ammonia	1336-21-6	215-647-6
Duration of exposure	48	h	
Type of examination	Bacterial Reverse Mutation Test		
Species	Salmonella typhimurium TA98, TA100, TA1535, TA1537		
with reference to	CAS 7664-41-7		
Method	OECD 471		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
4	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
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.
1	ethanediol	107-21-1	203-473-3

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

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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

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

<b>STOT - single exposure</b>	
No data available	

<b>STOT - repeated exposure</b>			
No	Substance name	CAS no.	EC no.
1	ethanediol	107-21-1	203-473-3
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.		

<b>Aspiration hazard</b>	
No data available	

## 11.2 Information on other hazards

### Endocrine disrupting properties

No data available.

### Other information

No data available.

## SECTION 12: Ecological information

### 12.1 Toxicity

<b>Toxicity to fish (acute)</b>			
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		
<b>2</b>	<b>propan-2-ol</b>	<b>67-63-0</b>	<b>200-661-7</b>
LC50		9640	mg/l
Duration of exposure		96	h

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Species	Pimephales promelas
Method	OECD 203
Source	ECHA
<b>3</b>	<b>1,2-benzisothiazol-3(2H)-one</b> <b>2634-33-5</b> <b>220-120-9</b>
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.
<b>1</b>	<b>ethanediol</b>	<b>107-21-1</b>	<b>203-473-3</b>
EC50	>	100 mg/l	
Duration of exposure		48 h	
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
<b>2</b>	<b>propan-2-ol</b>	<b>67-63-0</b>	<b>200-661-7</b>
EC50	>	10000 mg/l	
Duration of exposure		24 h	
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
<b>3</b>	<b>1,2-benzisothiazol-3(2H)-one</b>	<b>2634-33-5</b>	<b>220-120-9</b>
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.
<b>1</b>	<b>1,2-benzisothiazol-3(2H)-one</b>	<b>2634-33-5</b>	<b>220-120-9</b>
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**

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

**12.2 Persistence and degradability**

<b>Biodegradability</b>			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>ethanediol</b>	<b>107-21-1</b>	<b>203-473-3</b>
Type	DOC decrease		
Value	90	- 100	%

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Duration	10	day(s)
Method	OECD 301 A	
Source	ECHA	
Evaluation	readily biodegradable	
<b>2</b>	<b>propan-2-ol</b>	<b>67-63-0</b> <b>200-661-7</b>
Type	BOD/COD	
Value	53	%
Duration	5	day(s)
Source	ECHA	
Evaluation	readily biodegradable	
<b>3</b>	<b>1,2-benzisothiazol-3(2H)-one</b>	<b>2634-33-5</b> <b>220-120-9</b>
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 (log value)			
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	
<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	

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

No data available.

### 12.6 Endocrine disrupting properties

No data available.

### 12.7 Other adverse effects

No data available.

### 12.8 Other information

Other information
Do not discharge product unmonitored into the environment.

## 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

Residues 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

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

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#### 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 Maritime transport in bulk according to IMO instruments

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, MIXTURES AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. No 3

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9	75
2	ammonia	1336-21-6	215-647-6	75
3	propan-2-ol	67-63-0	200-661-7	75

##### 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:

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.

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**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.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
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.

**Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)**

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.
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**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.

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Prod-ID 634057