

**Trade name:** edding brillant paper marker refill service PTK25 (blue) contained in: edding 30, edding 33

**Current version :** 3.0.0, issued: 16.01.2024

**Replaced version:** 2.0.0, issued: 06.09.2022

**Region:** GB

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

### 1.1 Product identifier

**Trade name**

**edding brillant paper marker refill service PTK25 (blue) 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 use in felt pens

**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

**Details of the importer**

**Address**

edding UK Ltd.

edding House, Merlin Centre

AL4 0JY St Albans

Hertfordshire

United Kingdom

Telephone no. +44 (0)1727 84 66 88

### 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**

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GHS07

**Signal word**

Warning

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

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

**Hazard statement(s)**

- 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**

Aqueous 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 -	Acute Tox. 4*; H302	< 5.00 wt%
2	<b>ammonia, anhydrous</b>		pls. refer to footnote (1)
	7664-41-7 231-635-3 007-001-00-5 -	Press. Gas Flam. Gas 2; H221 Skin Corr. 1B; H314 Eye Dam. 1; H318 Acute Tox. 3*; H331 Aquatic Acute 1; H400	<= 1.00 wt%
3	<b>1,2-benzisothiazol-3(2H)-one</b>		
	2634-33-5 220-120-9 613-088-00-6 -	Acute Tox. 4*; H302 Aquatic Acute 1; H400 Eye Dam. 1; H318 Skin Irrit. 2; H315 Skin Sens. 1; H317	>= 0.05 - <= 0.15 wt%
4	<b>Tetrabenzo-5,10,15,20-diazaporphyrinephthalocyanine (C.I.Pigment #74160 Blue 15:3)</b>		
	147-14-8 205-685-1 - -	-	>= 10.00 - < 20.00 wt%

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

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(\*; \*\*; \*\*\*; \*\*\*\*) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

(1) Aberrant from/in addition to the classification set out in Annex VI, this substance is classified according to European Regulation (EC) No 1272/2008 (CLP), Article 4 (3), paragraph 2.

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
2	U	-	-	-
3	-	Skin Sens. 1; H317: C >= 0.05%	-	-

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)".

Acute toxicity estimate (ATE) values			
No	oral	dermal	inhalative
3	1193 mg/kg bodyweight		

### 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

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. Call a doctor immediately. 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; Carbon dioxide; Extinguishing powder; Water spray jet

#### Unsuitable extinguishing media

High power water jet

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

None known.

### 5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

## 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.

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**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. Do not discharge into the subsoil/soil.

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

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When collected, handle material as described under the section heading "Disposal considerations".

**6.4 Reference to other sections**

No data available.

## 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). Observe the usual precautions for handling chemicals.

**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. Wash hands before breaks and after work.

**Advice on protection against fire and explosion**

No special measures necessary.

**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.

**Requirements for storage rooms and vessels**

Store product in closed containers.

**Incompatible products**

None known

**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	Tetrabenz-5,10,15,20-diazaphorphyrinephthalocyanine (C.I.Pigment #74160 Blue 15:3)	147-14-8	205-685-1	
<b>List of approved workplace exposure limits (WELs) / EH40</b>				
Copper and compounds (as Cu) dusts and mists				
	WEL short-term (15 min reference period)	2	mg/m <sup>3</sup>	
	WEL long-term (8-hr TWA reference period)	1	mg/m <sup>3</sup>	
2	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

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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			
<b>3</b>	<b>ammonia, anhydrous</b>	<b>7664-41-7</b>	<b>231-635-3</b>		
<b>2000/39/EC</b>					
Ammonia, anhydrous					
WEL short-term (15 min reference period)		36	mg/m <sup>3</sup>	50	ppm
WEL long-term (8-hr TWA reference period)		14	mg/m <sup>3</sup>	20	ppm
<b>List of approved workplace exposure limits (WELs) / EH40</b>					
Ammonia, anhydrous					
WEL short-term (15 min reference period)		25	mg/m <sup>3</sup>	35	ppm
WEL long-term (8-hr TWA reference period)		18	mg/m <sup>3</sup>	25	ppm

## 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 (EN 166)

#### Hand protection

In case of intensive contact, wear protective gloves (EN 374). 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>State of aggregation</b>	
liquid	
<b>Form</b>	
liquid	
<b>Colour</b>	
blue	
<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	

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<b>Decomposition temperature</b>	
No data available	
<b>Flash point</b>	
Not applicable	
<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>
1	1,2-benzisothiazol-3(2H)-one
	<b>CAS no.</b>
	2634-33-5
	<b>EC no.</b>
	220-120-9
log Pow	1.3
Source	manufacturer
<b>Kinematic viscosity</b>	
No data available	
<b>Particle characteristics</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).

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

Heat, naked flames and other ignition sources. Static discharges.

### 10.5 Incompatible materials

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None known.

## 10.6 Hazardous decomposition products

No hazardous decomposition products known.

## 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 brillant paper marker refill service PTK25 (blue) 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	ethanediol	107-21-1	203-473-3
LD50		5840	mg/kg bodyweight
Species	rat		
Source	manufacturer		
2	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
LD50		1193	mg/kg bodyweight
Species	rat		
Source	manufacturer		

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	ethanediol	107-21-1	203-473-3
LD50		9530	mg/kg bodyweight
Species	rabbit		
Source	manufacturer		
2	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
LD50		4115	mg/kg bodyweight
Species	rat		
Source	manufacturer		

Acute inhalational toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	edding brillant paper marker refill service PTK25 (blue) 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 for inhalation: > 20.000 ppmV (gases), > 20 mg/l (vapours), > 5 mg/l (dusts/mists).

Acute inhalational toxicity
No data available

Skin corrosion/irritation
No data available

Serious eye damage/irritation
No data available

Respiratory or skin sensitisation
No data available

Germ cell mutagenicity

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No data available

#### Reproduction toxicity

No data available

#### Carcinogenicity

No data available

#### STOT - single exposure

No data available

#### STOT - repeated exposure

No data available

#### Aspiration hazard

No data available

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

Repeated and prolonged skin contact may cause removal of natural fat from the skin and irritation of the skin. Eye contact with the product may lead to irritation.

### 11.2 Information on other hazards

#### Endocrine disrupting properties

No data available.

#### Other information

No data available.

## SECTION 12: Ecological information

### 12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	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	manufacturer		

Toxicity to fish (chronic)			
No data available			

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	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	manufacturer		

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		0.11	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	manufacturer		

Toxicity to algae (chronic)			
No data available			

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No data available

**Bacteria toxicity**

No data available

**12.2 Persistence and degradability**

No data available.

**12.3 Bioaccumulative potential**

**Partition coefficient n-octanol/water (log value)**

No	Substance name	CAS no.	EC no.
1	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
log Pow		1.3	
Source		manufacturer	

**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**

**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

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## 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

##### 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.

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

H221	Flammable gas.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.

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

U When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case.

#### Creation of the safety data sheet

UMCO GmbH

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Tel.: +49 40 / 555 546 300 Fax: +49 40 / 555 546 357 e-mail: umco@umco.de

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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Alterations/supplements:

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Prod-ID 652807