

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

**Current version :** 2.0.0, issued: 03.06.2020

**Replaced version:** 1.1.0, issued: 21.08.2015

**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 (black) 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

### 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

**Classification information**

Classification and labelling are based on toxicological studies performed on the product (mixture).

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

**Hazard statement(s)**

H315

Causes skin irritation.

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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 clothing/eye protection/face protection.

**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>ammonia</b>		
	1336-21-6 215-647-6 007-001-01-2 -	Aquatic Acute 1; H400 Skin Corr. 1B; H314	< 2.50 %-b.w.
2	<b>ethanediol</b>		
	107-21-1 203-473-3 603-027-00-1 -	Acute Tox. 4*; H302	< 2.50 %-b.w.
3	<b>propan-2-ol</b>		
	67-63-0 200-661-7 603-117-00-0 -	Eye Irrit. 2; H319 Flam. Liq. 2; H225 STOT SE 3; H336	< 2.50 %-b.w.
4	<b>2-amino-2-methylpropanol</b>		
	124-68-5 204-709-8 603-070-00-6 -	Aquatic Chronic 3; H412 Eye Irrit. 2; H319 Skin Irrit. 2; H315	< 2.50 %-b.w.
5	<b>CARBON BLACK</b>		
	1333-86-4 215-609-9 - -	-	>= 10.00 - < 25.00 %-b.w.

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

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

**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**

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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. 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.

**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.

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## 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. Protect from heat and direct sunlight.

### 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	<b>CARBON BLACK</b>	<b>1333-86-4</b>	<b>215-609-9</b>		
<b>List of approved workplace exposure limits (WELs) / EH40</b>					
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>		
2	<b>ethanediol</b>	<b>107-21-1</b>	<b>203-473-3</b>		
<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			
3	<b>propan-2-ol</b>	<b>67-63-0</b>	<b>200-661-7</b>		
<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

### 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

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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	
black	
<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>	
Not applicable	
<b>Auto-ignition temperature</b>	
No data available	
<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>	

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no data available

#### Solubility in water

Comments miscible

#### Solubility(ies)

No data available

#### Partition coefficient: n-octanol/water

No data available

#### Viscosity

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

No data available.

### 10.5 Incompatible materials

None known.

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

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	propan-2-ol	67-63-0	200-661-7
LD50		5280	mg/kg bodyweight
Species	rat		
Source	Manufacturer		
3	2-amino-2-methylpropanol	124-68-5	204-709-8
LD50		2760 - 3040	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
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		

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2	propan-2-ol	67-63-0	200-661-7
LD50			12800 mg/kg bodyweight
Species	rabbit		
Source	Manufacturer		
3	2-amino-2-methylpropanol	124-68-5	204-709-8
LD50			> 2000 mg/kg bodyweight
Species	rabbit		
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			72.6 mg/l
Duration of exposure			4 h
State of aggregation	Vapour		
Species	rat		
Source	Manufacturer		

**Skin corrosion/irritation**

No data available

**Serious eye damage/irritation**

No data available

**Respiratory or skin sensitisation**

No data available

**Germ cell mutagenicity**

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

**SECTION 12: Ecological information**

**12.1 Toxicity**

<b>Toxicity to fish (acute)</b>			
No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
LC50			9640 mg/l
Duration of exposure			96 h
Species	Pimephales promelas		
Source	Manufacturer		
2	2-amino-2-methylpropanol	124-68-5	204-709-8
LC50			190 mg/l
Duration of exposure			96 h
Species	Lepomis macrochirus		
Source	ECHA		
<b>Toxicity to fish (chronic)</b>			
No data available			

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<b>Toxicity to Daphnia (acute)</b>			
No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
EC50		13299	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Source	Manufacturer		
2	2-amino-2-methylpropanol	124-68-5	204-709-8
EC50		193	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Source	ECHA		

<b>Toxicity to Daphnia (chronic)</b>			
No data available			

<b>Toxicity to algae (acute)</b>			
No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
EC50	>	1000	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Source	Manufacturer		
2	2-amino-2-methylpropanol	124-68-5	204-709-8
EC50		402	mg/l
Duration of exposure		72	h
Species	Scenedesmus subspicatus		
Method	OECD 201		
Source	ECHA		

<b>Toxicity to algae (chronic)</b>			
No data available			

<b>Bacteria toxicity</b>			
No data available			

**12.2 Persistence and degradability**

<b>Biodegradability</b>			
No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
Value		95	%
Duration		21	day(s)
Method	OECD 301 E		
Source	Manufacturer		
Evaluation	readily biodegradable		

**12.3 Bioaccumulative potential**

No data available.

**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**

<b>Other information</b>	
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
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**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.  
EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU  
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 chapter.

**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.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

**Department issuing 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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