

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 | ammonia | | | |
| | 1336-21-6 215-647-6 007-001-01-2 - | Aquatic Acute 1; H400 Skin Corr. 1B; H314 | < 2.50 | %-b.w. |
| 2 | ethanediol | | | |
| | 107-21-1 203-473-3 603-027-00-1 - | Acute Tox. 4*; H302 | < 2.50 | %-b.w. |
| 3 | propan-2-ol | | | |
| | 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 | 2-amino-2-methylpropanol | | | |
| | 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 | CARBON BLACK | | | |
| | 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 | 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 ³ | | |
| | WEL long-term (8-hr TWA reference period) | 3.5 | mg/m ³ | | |
| 2 | ethanediol | 107-21-1 | 203-473-3 | | |
| 2000/39/EC | | | | | |
| Ethylene glycol | | | | | |
| | WEL short-term (15 min reference period) | 104 | mg/m ³ | 40 | ppm |
| | WEL long-term (8-hr TWA reference period) | 52 | mg/m ³ | 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 ³ | 40 | ppm |
| | WEL long-term (8-hr TWA reference period) | 52 | mg/m ³ | 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 ³ | | |
| | Comments | Sk | | | |
| 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 ³ | 500 | ppm |
| | WEL long-term (8-hr TWA reference period) | 999 | mg/m ³ | 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

| | |
|--|--------|
| Form/Colour | |
| liquid | |
| black | |
| Odour | |
| No data available | |
| Odour threshold | |
| No data available | |
| pH value | |
| No data available | |
| Boiling point / boiling range | |
| Value | 100 °C |
| Melting point / melting range | |
| No data available | |
| Decomposition point / decomposition range | |
| No data available | |
| Flash point | |
| Not applicable | |
| Auto-ignition temperature | |
| No data available | |
| Oxidising properties | |
| No data available | |
| Explosive properties | |
| No data available | |
| Flammability (solid, gas) | |
| No data available | |
| Lower flammability or explosive limits | |
| No data available | |
| Upper flammability or explosive limits | |
| No data available | |
| Vapour pressure | |
| No data available | |
| Vapour density | |
| No data available | |
| Evaporation rate | |
| No data available | |
| Relative density | |
| No data available | |
| Density | |

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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

| Toxicity to fish (acute) | | | |
|-----------------------------------|--------------------------|----------|-----------|
| 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 | | |
| Toxicity to fish (chronic) | | | |
| No data available | | | |

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| Toxicity to Daphnia (acute) | | | |
|------------------------------------|--------------------------|----------|-----------|
| 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 | | |

| Toxicity to Daphnia (chronic) | | | |
|--------------------------------------|--|--|--|
| No data available | | | |

| Toxicity to algae (acute) | | | |
|----------------------------------|--------------------------|----------|-----------|
| 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 | | |

| Toxicity to algae (chronic) | | | |
|------------------------------------|--|--|--|
| No data available | | | |

| Bacteria toxicity | | | |
|--------------------------|--|--|--|
| No data available | | | |

12.2 Persistence and degradability

| Biodegradability | | | |
|-------------------------|-----------------------|---------|-----------|
| 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

| 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.
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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