

Trade name: edding refill ink whiteboard marker BTK25 (black) contained in: edding 360, edding 363

Current version : 6.1.1, issued: 27.10.2022

Replaced version: 6.1.0, issued: 09.05.2016

Region: GB

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

1.1 Product identifier

Trade name

edding refill ink whiteboard marker BTK25 (black) contained in: edding 360, edding 363

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

Relevant identified uses of the substance or mixture

Refill ink

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

Flam. Liq. 2; H225

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



GHS02



GHS07

Signal word

Danger

Hazard statement(s)

H225

Highly flammable liquid and vapour.

H319

Causes serious eye irritation.

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Precautionary statement(s)

| | |
|-----------|------------------------------------------------------------------------------------------------|
| P101 | If medical advice is needed, have product container or label at hand. |
| P102 | Keep out of reach of children. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P370+P378 | In case of fire: Use water spray, extinguishing powder, foam or CO2 to extinguish. |
| P501 | Dispose of contents/container to a facility in accordance with local and national regulations. |

Labelling information

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

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

Alcoholic solution of organic pigments, binding agents and additives.

Hazardous ingredients

| No | Substance name | Additional information | |
|----|--------------------------------------------|------------------------------------------|----------------------------|
| | CAS / EC / Index / REACH no | Classification (EC) 1272/2008 (CLP) | Concentration % |
| 1 | ethanol | | pls. refer to footnote (1) |
| | 64-17-5 200-578-6 603-002-00-5 - | Flam. Liq. 2; H225 Eye Irrit. 2; H319 | >= 50.00 - < 100.00 wt% |
| 2 | 1-methoxy-2-propanol | | |
| | 107-98-2 203-539-1 603-064-00-3 - | Flam. Liq. 3; H226 STOT SE 3; H336 | >= 10.00 - < 25.00 wt% |

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

(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) |
|----|------|-------------------------------|------------------|--------------------|
| 1 | - | Eye Irrit. 2; H319: C >= 50% | - | - |

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.

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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

Do not induce vomiting. 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

Alcohol-resistant 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 (CO₂); Carbon monoxide (CO)

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. Ensure adequate ventilation. Keep away from ignition sources.

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). Send in suitable containers for recovery or disposal.

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). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn. Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

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.

Advice on protection against fire and explosion

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Vapours can form an explosive mixture with air. Take precautionary measures against static charges. Keep away from sources of heat and ignition. Use explosion-proof equipment/fittings and non-sparking tools.

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.

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 | ethanol | 64-17-5 | 200-578-6 |
| List of approved workplace exposure limits (WELs) / EH40 | | | |
| Ethanol | | | |
| | WEL long-term (8-hr TWA reference period) | 1920 | mg/m ³ 1000 ppm |
| 2 | 1-methoxy-2-propanol | 107-98-2 | 203-539-1 |
| 2000/39/EC | | | |
| 1-Methoxypropanol-2 | | | |
| | WEL short-term (15 min reference period) | 568 | mg/m ³ 150 ppm |
| | WEL long-term (8-hr TWA reference period) | 375 | mg/m ³ 100 ppm |
| | Skin resorption / sensibilisation | Skin | |
| List of approved workplace exposure limits (WELs) / EH40 | | | |
| 1-Methoxypropan-2-ol | | | |
| | WEL short-term (15 min reference period) | 560 | mg/m ³ 150 ppm |
| | WEL long-term (8-hr TWA reference period) | 375 | mg/m ³ 100 ppm |
| | Comments | Sk | |

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.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------|
| State of aggregation | |
| liquid | |
| Form | |
| liquid | |
| Colour | |
| black | |
| Odour | |
| characteristic | |
| pH value | |
| not determined | |
| Boiling point / boiling range | |
| Value | 78 °C |
| Melting point/freezing point | |
| No data available | |
| Decomposition temperature | |
| No data available | |
| Flash point | |
| Value | 13 °C |
| Ignition temperature | |
| Value | 287 °C |
| Auto-ignition temperature | |
| Comments | Product is not selfigniting. |
| Explosive properties | |
| The product is not explosive. Formation of explosive/highly flammable air-vapour mixtures is possible during/after use. | |
| Flammability | |
| No data available | |
| Lower explosion limit | |
| Value | 1.7 % vol |
| Upper explosion limit | |
| Value | 15.0 % vol |
| Vapour pressure | |
| Value | 59 hPa |
| Reference temperature | 20 °C |
| Relative vapour density | |
| No data available | |
| Relative density | |
| No data available | |
| Density | |
| No data available | |
| Solubility in water | |
| Comments | partially miscible |
| Solubility | |
| No data available | |

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Partition coefficient n-octanol/water (log value)

No data available

Kinematic viscosity

No data available

Solvent content

| | | |
|-------|------|---|
| Value | 79.1 | % |
|-------|------|---|

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

None known

10.5 Incompatible materials

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

| No | Substance name | CAS no. | EC no. |
|---------|----------------------|----------|------------------|
| 1 | 1-methoxy-2-propanol | 107-98-2 | 203-539-1 |
| LD50 | | 5660 | mg/kg bodyweight |
| Species | rat | | |
| Source | Manufacturer | | |

Acute dermal toxicity

| No | Substance name | CAS no. | EC no. |
|---------|----------------------|----------|------------------|
| 1 | 1-methoxy-2-propanol | 107-98-2 | 203-539-1 |
| LD50 | | 9999.99 | mg/kg bodyweight |
| Species | rabbit | | |
| Source | Manufacturer | | |

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

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| |
|-------------------------------|
| 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 |

| |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Delayed and immediate effects as well as chronic effects from short and long-term exposure |
| Inhalation of solvent vapours in higher concentration may lead to nausea, headache, drowsiness and dizziness. Repeated and prolonged skin contact may cause removal of natural fat from the skin and irritation of the skin. |

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 data available |

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

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

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

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

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

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

12.2 Persistence and degradability

No data available.

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 Endocrine disrupting properties

No data available.

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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

| | |
|---------------------------|--------|
| Class | 3 |
| Classification code | F1 |
| Packing group | II |
| Hazard identification no. | 33 |
| UN number | UN1263 |
| Proper shipping name | PAINT |
| Special Provision 640 | 640D |
| Tunnel restriction code | D/E |
| Label | 3 |

14.2 Transport IMDG

| | |
|----------------------|----------|
| Class | 3 |
| Packing group | II |
| UN number | UN1263 |
| Proper shipping name | PAINT |
| EmS | F-E, S-E |
| Label | 3 |

14.3 Transport ICAO-TI / IATA

| | |
|----------------------|--------|
| Class | 3 |
| Packing group | II |
| UN number | UN1263 |
| Proper shipping name | Paint |
| Label | 3 |

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

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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, 40

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

This product is subject to Part I of Annex I, risk category: P5b

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)

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

Creation of the safety data sheet

UMCO GmbH

Georg-Wilhelm-Str. 187, D-21107 Hamburg

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.

Alterations/supplements:

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

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Prod-ID 17431

Trade name: edding refill ink whiteboard marker (blue) BTK25 contained in : edding 360, edding 363

Current version : 9.0.0, issued: 02.10.2023

Replaced version: 8.0.0, issued: 23.06.2022

Region: GB

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

1.1 Product identifier

Trade name

edding refill ink whiteboard marker (blue) BTK25 contained in : edding 360, edding 363

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

Flam. Liq. 2; H225

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



GHS02



GHS07

Signal word

Danger

Hazard statement(s)

H225

Highly flammable liquid and vapour.

H319

Causes serious eye irritation.

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Precautionary statement(s)

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P370+P378 In case of fire: Use water spray, extinguishing powder, foam or CO2 to extinguish.
 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

Hazardous ingredients

| No | Substance name | Additional information | |
|----|---------------------------------------------------------------|-------------------------------------------------------------|-----------------|
| | CAS / EC / Index / REACH no | Classification (EC) 1272/2008 (CLP) | Concentration % |
| 1 | ethanol | | |
| | 64-17-5 200-578-6 603-002-00-5 01-2119457610-43 | Flam. Liq. 2; H225 Eye Irrit. 2; H319 | < 75.00 wt% |
| 2 | propan-2-ol | | |
| | 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 | 10.00 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) |
|----|------|-------------------------------|------------------|--------------------|
| 1 | - | Eye Irrit. 2; H319: C >= 50% | - | - |

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

Rinse with plenty of 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 out mouth and give plenty of water to drink. Do not induce vomiting. Call a doctor immediately. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

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No data available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Alcohol-resistant 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 (CO₂); Carbon monoxide (CO)

5.3 Advice for firefighters

Cool endangered containers with water spray jet. Use self-contained breathing apparatus. Suppress gases/vapours/mists with water spray jet. 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. Ensure adequate ventilation. Keep away from ignition sources.

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). Send in suitable containers for recovery or disposal.

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). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn. Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

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.

Advice on protection against fire and explosion

Vapours can form an explosive mixture with air. Take precautionary measures against static charges. Keep away from sources of heat and ignition. Use explosion-proof equipment/fittings and non-sparking tools.

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

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

Incompatible products

Do not store together with: Alkali metals; Earth alkali metals; oxidizing agents; Acids

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 | ethanol | 64-17-5 | 200-578-6 |
| List of approved workplace exposure limits (WELs) / EH40 | | | |
| Ethanol | | | |
| | WEL long-term (8-hr TWA reference period) | 1920 | mg/m ³ 1000 ppm |
| 2 | 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 |

DNEL, DMEL and PNEC values

DNEL values (worker)

| No | Substance name | CAS / EC no | | |
|----|-------------------|----------------------|----------|-----------------------|
| | Route of exposure | Exposure time | Effect | Value |
| 1 | ethanol | 64-17-5 200-578-6 | | |
| | dermal | Long term (chronic) | systemic | 8238 mg/kg/day |
| | inhalative | Long term (chronic) | systemic | 380 mg/m ³ |
| 2 | propan-2-ol | 67-63-0 200-661-7 | | |
| | dermal | Long term (chronic) | systemic | 888 mg/kg/day |
| | inhalative | Long term (chronic) | systemic | 500 mg/m ³ |

DNEL value (consumer)

| No | Substance name | CAS / EC no | | |
|----|-------------------|----------------------|----------|-----------------------|
| | Route of exposure | Exposure time | Effect | Value |
| 1 | ethanol | 64-17-5 200-578-6 | | |
| | inhalative | Long term (chronic) | systemic | 114 mg/m ³ |
| 2 | propan-2-ol | 67-63-0 200-661-7 | | |
| | 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 ³ |

PNEC values

| No | Substance name | CAS / EC no | |
|----|------------------------|-----------------------|----------------------|
| | ecological compartment | Type | Value |
| 1 | ethanol | 64-17-5 200-578-6 | |
| | water | fresh water | 0.96 mg/L |
| | water | Aqua intermittent | 2.75 mg/L |
| | water | marine water | 0.79 mg/L |
| | water | fresh water sediment | 3.6 mg/kg dry weight |
| | water | marine water sediment | 2.9 mg/L |

Trade name: edding refill ink whiteboard marker (blue) BTK25 contained in : edding 360, edding 363

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| | | | | |
|---|---------------------------------------------|-----------------------|------------------------------------|------------------|
| | soil | - | 0.63 | mg/kg dry weight |
| | sewage treatment plant | - | 580 | mg/L |
| | secondary poisoning with reference to: food | - | 0.38 | g/kg |
| 2 | propan-2-ol | | 67-63-0 200-661-7 | |
| | 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 |

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.

Respirator A

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.

Appropriate Material butyl rubber
Material thickness 0.5 mm

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

| | |
|-----------------------------|--------|
| State of aggregation | |
| liquid | |
| Form | |
| liquid | |
| Colour | |
| blue | |
| Odour | |
| alcohol-like | |
| pH value | |
| Value | 7 - 10 |

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| | | | |
|----------------------------------------------------------|-----------------------|-------------------|--------------------|
| Concentration | 100 | % | |
| Source | manufacturer | | |
| Boiling point / boiling range | | | |
| Value | 78.3 | °C | |
| Reference substance | CAS 64-17-5 | | |
| Source | manufacturer | | |
| Melting point/freezing point | | | |
| No data available | | | |
| Decomposition temperature | | | |
| No data available | | | |
| Flash point | | | |
| No data available | | | |
| Ignition temperature | | | |
| No data available | | | |
| Flammability | | | |
| No data available | | | |
| Lower explosion limit | | | |
| No data available | | | |
| Upper explosion limit | | | |
| No data available | | | |
| Vapour pressure | | | |
| No data available | | | |
| Relative vapour density | | | |
| No data available | | | |
| Relative density | | | |
| No data available | | | |
| Density | | | |
| Value | 0.83 | g/cm ³ | |
| Reference temperature | 20 | °C | |
| Source | manufacturer | | |
| Solubility in water | | | |
| Source | manufacturer | | |
| Comments | miscible | | |
| Solubility | | | |
| No data available | | | |
| Partition coefficient n-octanol/water (log value) | | | |
| No | Substance name | CAS no. | EC no. |
| 1 | ethanol | 64-17-5 | 200-578-6 |
| log Pow | | -0.35 | |
| Reference temperature | | 24 | °C |
| with reference to | pH 7,4 | | |
| Method | OECD 107 | | |
| Source | ECHA | | |
| 2 | propan-2-ol | 67-63-0 | 200-661-7 |
| log Pow | | 0.05 | |
| Reference temperature | | 25 | °C |
| Source | ECHA | | |
| Kinematic viscosity | | | |
| Value | 4 | - 10 | mm ² /s |
| Source | manufacturer | | |
| Particle characteristics | | | |

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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

Vapours may form an explosive mixture with air.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources. Protect from sun.

10.5 Incompatible materials

Alkali metal; Earth alkali metals; Oxidizing agents; Acids

10.6 Hazardous decomposition products

In case of fire: see section 5.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

| Acute oral toxicity | | | |
|-----------------------------|-------------------------------------------------------------------|---------|------------------|
| No | Substance name | CAS no. | EC no. |
| 1 | ethanol | 64-17-5 | 200-578-6 |
| LD50 | | 10470 | mg/kg bodyweight |
| Species | rat | | |
| with reference to | 95% ethanol in water | | |
| Method | OECD 401 | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |
| 2 | 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. | | |
| Acute dermal toxicity | | | |
| No data available | | | |
| Acute inhalational toxicity | | | |
| No | Substance name | CAS no. | EC no. |
| 1 | ethanol | 64-17-5 | 200-578-6 |
| LC50 | | 124.7 | mg/l |
| Duration of exposure | | 4 | h |
| State of aggregation | Vapour | | |
| Species | rat | | |
| Method | OECD 403 | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |
| 2 | propan-2-ol | 67-63-0 | 200-661-7 |
| LC50 | > | 10000 | ppmV |
| Duration of exposure | | 6 | h |
| State of aggregation | Vapour | | |
| Species | rat | | |

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| | |
|---------------------------|-------------------------------------------------------------------|
| 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 | ethanol | 64-17-5 | 200-578-6 |
| Species | | rabbit | |
| Method | | OECD 404 | |
| Source | | ECHA | |
| Evaluation | | non-irritant | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |
| 2 | propan-2-ol | 67-63-0 | 200-661-7 |
| Species | | rabbit | |
| Source | | ECHA | |
| Evaluation | | non-irritant | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |

| Serious eye damage/irritation | | | |
|-------------------------------|----------------|---------------------------------------------------------------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | ethanol | 64-17-5 | 200-578-6 |
| Species | | rabbit | |
| Method | | OECD 405 | |
| Source | | ECHA | |
| Evaluation | | irritant | |
| Evaluation/classification | | Based on available data, the classification criteria are met. | |
| 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. | |

| Respiratory or skin sensitisation | | | |
|-----------------------------------|----------------|-------------------------------------------------------------------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | ethanol | 64-17-5 | 200-578-6 |
| Route of exposure | | respiratory tract | |
| Source | | ECHA | |
| Evaluation | | non-sensitizing | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |
| Route of exposure | | Skin | |
| Species | | mouse | |
| Source | | ECHA | |
| Evaluation | | non-sensitizing | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |
| 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. | |

| Germ cell mutagenicity | | | |
|---------------------------|----------------|-------------------------------------------------------------------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | ethanol | 64-17-5 | 200-578-6 |
| Type of examination | | in vitro gene mutation study in bacteria | |
| Species | | Salmonella typhimurium | |
| Method | | OECD 471 | |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |
| Type of examination | | in vitro gene mutation study in mammalian cells | |
| Species | | mouse lymphoma cells | |

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| | |
|---------------------------|-------------------------------------------------------------------|
| Method | OECD 476 |
| Source | ECHA |
| Evaluation/classification | Based on available data, the classification criteria are not met. |
| Type of examination | Genotoxicity in vivo |
| Species | mouse |
| Method | OECD 478 |
| 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. |

| Reproduction toxicity | | | |
|---------------------------|-------------------------------------------------------------------|--------------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | ethanol | 64-17-5 | 200-578-6 |
| Route of exposure | | oral | |
| NOAEL | | | |
| Type of examination | 2 generation study | | |
| Species | mouse | | |
| Method | OECD 416 | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |
| Route of exposure | | inhalational | |
| NOAEL | | >= | 20000 ppm |
| Type of examination | Prenatal Developmental Toxicity Study | | |
| Species | rat | | |
| Method | OECD 414 | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

| Carcinogenicity | | | |
|---------------------------|----------------|-------------------------------------------------------------------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | ethanol | 64-17-5 | 200-578-6 |
| 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. |
| 1 | ethanol | 64-17-5 | 200-578-6 |
| Route of exposure | | oral | |
| Duration of exposure | | 14 | week/s |
| Species | | rat | |
| Target organ | | kidneys | |
| Method | | OECD 408 | |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |
| 2 | propan-2-ol | 67-63-0 | 200-661-7 |
| Route of exposure | | inhalational | |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |

| Aspiration hazard | | | |
|-------------------|--|--|--|
| No data available | | | |

11.2 Information on other hazards

Endocrine disrupting properties

No data available.

Other information

No data available.

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SECTION 12: Ecological information
12.1 Toxicity

| Toxicity to fish (acute) | | | |
|---------------------------------|---------------------|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | ethanol | 64-17-5 | 200-578-6 |
| LC50 | | 14200 | mg/l |
| Duration of exposure | | 96 | h |
| Species | Pimephales promelas | | |
| Method | EPA | | |
| 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 | | |

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

| Toxicity to Daphnia (acute) | | | |
|------------------------------------|------------------------|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | ethanol | 64-17-5 | 200-578-6 |
| EC50 | | 5012 | mg/l |
| Duration of exposure | | 48 | h |
| Species | Ceriodaphnia dubia | | |
| Method | ASTM Standard E 729-80 | | |
| 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 | | |

| Toxicity to Daphnia (chronic) | | | |
|--------------------------------------|----------------|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | ethanol | 64-17-5 | 200-578-6 |
| NOEC | | 9.6 | mg/l |
| Duration of exposure | | 9 | day(s) |
| Species | Daphnia magna | | |
| Source | ECHA | | |

| Toxicity to algae (acute) | | | |
|----------------------------------|--------------------|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | ethanol | 64-17-5 | 200-578-6 |
| EC50 | | 275 | mg/l |
| Duration of exposure | | 72 | h |
| Species | Chlorella vulgaris | | |
| 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 | ethanol | 64-17-5 | 200-578-6 |

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| | | | |
|------------|------------------------|----------------|------------------|
| Type | aerobic biodegradation | | |
| Value | appr. | 84 | % |
| Duration | | 20 | day(s) |
| 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 | | |

12.3 Bioaccumulative potential

| Partition coefficient n-octanol/water (log value) | | | |
|---------------------------------------------------|--------------------|----------------|------------------|
| No | Substance name | CAS no. | EC no. |
| 1 | ethanol | 64-17-5 | 200-578-6 |
| log Pow | | -0.35 | |
| Reference temperature | | 24 | °C |
| with reference to | pH 7,4 | | |
| Method | OECD 107 | | |
| Source | ECHA | | |
| 2 | propan-2-ol | 67-63-0 | 200-661-7 |
| log Pow | | 0.05 | |
| Reference temperature | | 25 | °C |
| 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.

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

| | |
|---------------------------|--------------------------|
| Class | 3 |
| Classification code | F1 |
| Packing group | II |
| Hazard identification no. | 33 |
| UN number | UN1993 |
| Proper shipping name | FLAMMABLE LIQUID, N.O.S. |
| Technical name | ethanol |
| Special Provision 640 | 640C |
| Tunnel restriction code | D/E |
| Label | 3 |

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14.2 Transport IMDG

| | |
|----------------------|--------------------------|
| Class | 3 |
| Packing group | II |
| UN number | UN1993 |
| Proper shipping name | FLAMMABLE LIQUID, N.O.S. |
| Technical name | ethanol |
| EmS | F-E, S-E |
| Label | 3 |

14.3 Transport ICAO-TI / IATA

| | |
|----------------------|--------------------------|
| Class | 3 |
| Packing group | II |
| UN number | UN1993 |
| Proper shipping name | Flammable liquid, n.o.s. |
| Technical name | ethanol |
| Label | 3 |

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, 40

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 | 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 subject to Part I of Annex I, risk category: P5b

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.

Trade name: edding refill ink whiteboard marker BT30, BTK25 (green) contained in: edding 360, edding

Current version : 4.1.1, issued: 27.10.2022

Replaced version: 4.1.0, issued: 22.10.2015

Region: GB

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

1.1 Product identifier

Trade name

**edding refill ink whiteboard marker BT30, BTK25 (green) contained in:
edding 360, edding 363**

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

Relevant identified uses of the substance or mixture

Refill ink

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 Dam. 1; H318

Flam. Liq. 2; H225

STOT SE 3; H336

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



GHS02



GHS05



GHS07

Signal word

Danger

Hazardous component(s) to be indicated on label:

propan-1-ol

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Hazard statement(s)

H225 Highly flammable liquid and vapour.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.

Precautionary statement(s)

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P370+P378 In case of fire: Use water spray, extinguishing powder, foam or CO2 to extinguish.
P405 Store locked up.
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 | propan-1-ol | | |
| | 71-23-8 200-746-9 603-003-00-0 - | Eye Dam. 1; H318 Flam. Liq. 2; H225 STOT SE 3; H336 | >= 50.00 - < 100.00 wt% |
| 2 | 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 - <= 10.00 wt% |
| 3 | 1-methoxy-2-propanol | | |
| | 107-98-2 203-539-1 603-064-00-3 - | Flam. Liq. 3; H226 STOT SE 3; H336 | >= 2.50 - <= 10.00 wt% |

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

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

Trade name: edding refill ink whiteboard marker BT30, BTK25 (green) contained in: edding 360, edding

Current version : 4.1.1, issued: 27.10.2022

Replaced version: 4.1.0, issued: 22.10.2015

Region: GB

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. Poisonous symptoms can first be observed after several hours, therefore medical observation for at least 48 hours is necessary.

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

Do not induce vomiting. 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

Alcohol-resistant 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 (CO₂); Carbon monoxide (CO)

5.3 Advice for firefighters

Cool endangered containers with water spray jet. Use self-contained breathing apparatus. Suppress gases/vapours/mists with water spray jet. 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. Ensure adequate ventilation. Keep away from ignition sources.

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). Send in suitable containers for recovery or disposal.

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Trade name: edding refill ink whiteboard marker BT30, BTK25 (green) contained in: edding 360, edding

Current version : 4.1.1, issued: 27.10.2022

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Region: GB

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. Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

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.

Advice on protection against fire and explosion

Vapours can form an explosive mixture with air. Take precautionary measures against static charges. Keep away from sources of heat and ignition.

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.

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 | propan-1-ol | 71-23-8 | 200-746-9 |
| List of approved workplace exposure limits (WELs) / EH40 | | | |
| Propan-1-ol | | | |
| | WEL short-term (15 min reference period) | 625 mg/m ³ | 250 ppm |
| | WEL long-term (8-hr TWA reference period) | 500 mg/m ³ | 200 ppm |
| | Comments | Sk | |
| 2 | 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 |
| 3 | 1-methoxy-2-propanol | 107-98-2 | 203-539-1 |
| 2000/39/EC | | | |
| 1-Methoxypropanol-2 | | | |
| | WEL short-term (15 min reference period) | 568 mg/m ³ | 150 ppm |
| | WEL long-term (8-hr TWA reference period) | 375 mg/m ³ | 100 ppm |
| | Skin resorption / sensibilisation | Skin | |
| List of approved workplace exposure limits (WELs) / EH40 | | | |
| 1-Methoxypropan-2-ol | | | |
| | WEL short-term (15 min reference period) | 560 mg/m ³ | 150 ppm |
| | WEL long-term (8-hr TWA reference period) | 375 mg/m ³ | 100 ppm |
| | Comments | Sk | |

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

Trade name: edding refill ink whiteboard marker BT30, BTK25 (green) contained in: edding 360, edding

Current version : 4.1.1, issued: 27.10.2022

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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

| | |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------|
| State of aggregation | |
| liquid | |
| Form | |
| liquid | |
| Colour | |
| green | |
| Odour | |
| characteristic | |
| pH value | |
| No data available | |
| Boiling point / boiling range | |
| Value | 82 °C |
| Melting point/freezing point | |
| No data available | |
| Decomposition temperature | |
| No data available | |
| Flash point | |
| Value | 13 °C |
| Ignition temperature | |
| Value | 287 °C |
| Auto-ignition temperature | |
| Comments | Product is not selfigniting. |
| Explosive properties | |
| The product is not explosive. Formation of explosive/highly flammable air-vapour mixtures is possible during/after use. | |
| Flammability | |
| No data available | |
| Lower explosion limit | |
| Value | 2.1 % vol |
| Upper explosion limit | |

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Region: GB

| | | |
|----------------------------------------------------------|--------------------|-------|
| Value | 13.5 | % vol |
| Vapour pressure | | |
| Value | 19 | hPa |
| Reference temperature | 20 | °C |
| Relative vapour density | | |
| No data available | | |
| Relative density | | |
| No data available | | |
| Density | | |
| no data available | | |
| Solubility in water | | |
| Comments | partially miscible | |
| Solubility | | |
| No data available | | |
| Partition coefficient n-octanol/water (log value) | | |
| No data available | | |
| Kinematic viscosity | | |
| Value | 11.5 | mPa*s |
| Reference temperature | 20 | °C |
| Type | dynamic | |
| Solvent content | | |
| Value | 81.3 | % |
| Solids content | | |
| Value | 6.5 | % |
| 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

No data available.

10.5 Incompatible materials

No data available.

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 |
|----------------------------|

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Region: GB

| No | Substance name | CAS no. | EC no. |
|---------|----------------------|----------|------------------|
| 1 | propan-1-ol | 71-23-8 | 200-746-9 |
| LD50 | | 8000 | 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 | 1-methoxy-2-propanol | 107-98-2 | 203-539-1 |
| LD50 | | 5660 | mg/kg bodyweight |
| Species | rat | | |
| Source | Manufacturer | | |

| Acute dermal toxicity | | | |
|-----------------------|----------------------|----------|------------------|
| No | Substance name | CAS no. | EC no. |
| 1 | propan-1-ol | 71-23-8 | 200-746-9 |
| LD50 | | 4000 | mg/kg bodyweight |
| Species | rabbit | | |
| Source | Manufacturer | | |
| 2 | propan-2-ol | 67-63-0 | 200-661-7 |
| LD50 | | 12800 | mg/kg bodyweight |
| Species | rabbit | | |
| Source | Manufacturer | | |
| 3 | 1-methoxy-2-propanol | 107-98-2 | 203-539-1 |
| LD50 | | 9999.99 | mg/kg bodyweight |
| Species | rabbit | | |
| Source | Manufacturer | | |

| Acute inhalational toxicity | | | |
|-----------------------------|----------------|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | propan-1-ol | 71-23-8 | 200-746-9 |
| LC50 | | > | 33.8 mg/l |
| Duration of exposure | | 4 | h |
| State of aggregation | Vapour | | |
| Species | rat | | |
| Method | OECD 403 | | |
| Source | ECHA | | |
| 2 | 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 | |

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Region: GB

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

Inhalation of solvent vapours in higher concentration may lead to nausea, headache, drowsiness and dizziness. 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 | propan-2-ol | 67-63-0 | 200-661-7 |
| LC50 | | 9640 | mg/l |
| Duration of exposure | | 96 | h |
| Species | Pimephales promelas | | |
| Source | Manufacturer | | |

Toxicity to fish (chronic)

No data available

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 | | |

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 | | |

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) |

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| | |
|------------|-----------------------|
| 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 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

| | |
|---------------------------|------------------------|
| Class | 3 |
| Classification code | F1 |
| Packing group | II |
| Hazard identification no. | 33 |
| UN number | UN1263 |
| Proper shipping name | PAINT RELATED MATERIAL |
| Special Provision 640 | 640D |
| Tunnel restriction code | D/E |
| Label | 3 |

14.2 Transport IMDG

| | |
|----------------------|------------------------|
| Class | 3 |
| Packing group | II |
| UN number | UN1263 |
| Proper shipping name | PAINT RELATED MATERIAL |
| EmS | F-E, S-E |
| Label | 3 |

14.3 Transport ICAO-TI / IATA

| | |
|----------------------|------------------------|
| Class | 3 |
| Packing group | II |
| UN number | UN1263 |
| Proper shipping name | Paint related material |
| Label | 3 |

14.4 Other information

Trade name: edding refill ink whiteboard marker BT30, BTK25 (green) contained in: edding 360, edding

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Replaced version: 4.1.0, issued: 22.10.2015

Region: GB

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, 40

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 | propan-1-ol | 71-23-8 | 200-746-9 | 75 |
| 2 | 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 subject to Part I of Annex I, risk category: P5b

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)

H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.

Creation of the safety data sheet

UMCO GmbH

Georg-Wilhelm-Str. 187, D-21107 Hamburg

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

Trade name: edding refill ink whiteboard marker BT30, BTK25 (green) contained in: edding 360, edding

Current version : 4.1.1, issued: 27.10.2022

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Region: GB

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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Prod-ID 17418

Trade name: edding refill ink whiteboard marker BT30, BTK25 (red) contained in: edding 360, edding

Current version : 5.0.1, issued: 27.10.2022

Replaced version: 5.0.0, issued: 30.06.2015

Region: GB

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

1.1 Product identifier

Trade name

edding refill ink whiteboard marker BT30, BTK25 (red) contained in: edding 360, edding 363

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

Relevant identified uses of the substance or mixture

Refill ink

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

Flam. Liq. 2; H225

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



GHS02



GHS07

Signal word

Danger

Hazard statement(s)

H225

Highly flammable liquid and vapour.

H319

Causes serious eye irritation.

Trade name: edding refill ink whiteboard marker BT30, BTK25 (red) contained in: edding 360, edding

Current version : 5.0.1, issued: 27.10.2022

Replaced version: 5.0.0, issued: 30.06.2015

Region: GB

Precautionary statement(s)

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P370+P378 In case of fire: Use water spray, extinguishing powder, foam or CO2 to extinguish.
 P501 Dispose of contents/container to a facility in accordance with local and national regulations.

Labelling information

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

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

Alcoholic solution of organic pigments, binding agents and additives.

Hazardous ingredients

| No | Substance name | Additional information | |
|----|--------------------------------------------|------------------------------------------|-----------------------------------|
| | CAS / EC / Index / REACH no | Classification (EC) 1272/2008 (CLP) | Concentration % |
| 1 | ethanol | | pls. refer to footnote (1) |
| | 64-17-5 200-578-6 603-002-00-5 - | Flam. Liq. 2; H225 Eye Irrit. 2; H319 | >= 50.00 - < 70.00 wt% |
| 2 | 1-methoxy-2-propanol | | |
| | 107-98-2 203-539-1 603-064-00-3 - | Flam. Liq. 3; H226 STOT SE 3; H336 | >= 10.00 - < 25.00 wt% |

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

(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) |
|----|------|-------------------------------|------------------|--------------------|
| 1 | - | Eye Irrit. 2; H319: C >= 50% | - | - |

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.

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Replaced version: 5.0.0, issued: 30.06.2015

Region: GB

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

Do not induce vomiting. 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

Alcohol-resistant 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 (CO₂); Carbon monoxide (CO)

5.3 Advice for firefighters

Cool endangered containers with water spray jet. Use self-contained breathing apparatus. Suppress gases/vapours/mists with water spray jet. 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. Ensure adequate ventilation. Keep away from ignition sources.

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). Send in suitable containers for recovery or disposal.

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). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn. Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

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.

Advice on protection against fire and explosion

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Vapours can form an explosive mixture with air. Take precautionary measures against static charges. Keep away from sources of heat and ignition. Use explosion-proof equipment/fittings and non-sparking tools.

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 | ethanol | 64-17-5 | 200-578-6 |
| List of approved workplace exposure limits (WELs) / EH40 | | | |
| | Ethanol | | |
| | WEL long-term (8-hr TWA reference period) | 1920 | mg/m ³ 1000 ppm |
| 2 | 1-methoxy-2-propanol | 107-98-2 | 203-539-1 |
| 2000/39/EC | | | |
| | 1-Methoxypropanol-2 | | |
| | WEL short-term (15 min reference period) | 568 | mg/m ³ 150 ppm |
| | WEL long-term (8-hr TWA reference period) | 375 | mg/m ³ 100 ppm |
| | Skin resorption / sensibilisation | Skin | |
| List of approved workplace exposure limits (WELs) / EH40 | | | |
| | 1-Methoxypropan-2-ol | | |
| | WEL short-term (15 min reference period) | 560 | mg/m ³ 150 ppm |
| | WEL long-term (8-hr TWA reference period) | 375 | mg/m ³ 100 ppm |
| | Comments | Sk | |

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

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9.1 Information on basic physical and chemical properties

| | |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------|
| State of aggregation | |
| liquid | |
| Form | |
| liquid | |
| Colour | |
| red | |
| Odour | |
| characteristic | |
| pH value | |
| No data available | |
| Boiling point / boiling range | |
| Value | 78 °C |
| Melting point/freezing point | |
| No data available | |
| Decomposition temperature | |
| No data available | |
| Flash point | |
| Value | 13 °C |
| Ignition temperature | |
| Value | 287 °C |
| Auto-ignition temperature | |
| Comments | Product is not selfigniting. |
| Explosive properties | |
| The product is not explosive. Formation of explosive/highly flammable air-vapour mixtures is possible during/after use. | |
| Flammability | |
| No data available | |
| Lower explosion limit | |
| Value | 1.7 % vol |
| Upper explosion limit | |
| Value | 15.0 % vol |
| Vapour pressure | |
| Value | 59 hPa |
| Reference temperature | 20 °C |
| Relative vapour density | |
| No data available | |
| Relative density | |
| No data available | |
| Density | |
| no data available | |
| Solubility in water | |
| Comments | partially miscible |
| Solubility | |
| No data available | |
| Partition coefficient n-octanol/water (log value) | |
| No data available | |

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| |
|----------------------------|
| Kinematic viscosity |
|----------------------------|

| |
|-------------------|
| No data available |
|-------------------|

| |
|------------------------|
| Solvent content |
|------------------------|

| | | |
|-------|------|---|
| Value | 79.1 | % |
|-------|------|---|

| |
|---------------------------------|
| 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

No data available.

10.5 Incompatible materials

No data available.

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 |
|----------------------------|

| No | Substance name | CAS no. | EC no. |
|---------|----------------------|----------|------------------|
| 1 | 1-methoxy-2-propanol | 107-98-2 | 203-539-1 |
| LD50 | | 5660 | mg/kg bodyweight |
| Species | rat | | |
| Source | Manufacturer | | |

| |
|------------------------------|
| Acute dermal toxicity |
|------------------------------|

| No | Substance name | CAS no. | EC no. |
|---------|----------------------|----------|------------------|
| 1 | 1-methoxy-2-propanol | 107-98-2 | 203-539-1 |
| LD50 | | 9999.99 | mg/kg bodyweight |
| Species | rabbit | | |
| Source | Manufacturer | | |

| |
|------------------------------------|
| 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 |
|-------------------------------|

| |
|-------------------|
| No data available |
|-------------------|

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| |
|------------------------------|
| 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 |
| Inhalation of solvent vapours in higher concentration may lead to nausea, headache, drowsiness and dizziness. 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 data available |

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

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

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

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

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

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

12.2 Persistence and degradability

No data available.

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 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

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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

| | |
|---------------------------|--------|
| Class | 3 |
| Classification code | F1 |
| Packing group | II |
| Hazard identification no. | 33 |
| UN number | UN1263 |
| Proper shipping name | PAINT |
| Special Provision 640 | 640D |
| Tunnel restriction code | D/E |
| Label | 3 |

14.2 Transport IMDG

| | |
|----------------------|----------|
| Class | 3 |
| Packing group | II |
| UN number | UN1263 |
| Proper shipping name | PAINT |
| EmS | F-E, S-E |
| Label | 3 |

14.3 Transport ICAO-TI / IATA

| | |
|----------------------|--------|
| Class | 3 |
| Packing group | II |
| UN number | UN1263 |
| Proper shipping name | Paint |
| Label | 3 |

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

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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, 40

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

This product is subject to Part I of Annex I, risk category: P5b

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)

H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.

Creation of the safety data sheet

UMCO GmbH

Georg-Wilhelm-Str. 187, D-21107 Hamburg

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.

Alterations/supplements:

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

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Prod-ID 17424

Trade name: edding refill ink whiteboard marker BT30, BTK25 (green) contained in: edding 360, edding

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

1.1 Product identifier

Trade name

**edding refill ink whiteboard marker BT30, BTK25 (green) contained in:
edding 360, edding 363**

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

Relevant identified uses of the substance or mixture

Refill ink

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 Dam. 1; H318

Flam. Liq. 2; H225

STOT SE 3; H336

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



GHS02



GHS05



GHS07

Signal word

Danger

Hazardous component(s) to be indicated on label:

propan-1-ol

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Hazard statement(s)

H225 Highly flammable liquid and vapour.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.

Precautionary statement(s)

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P370+P378 In case of fire: Use water spray, extinguishing powder, foam or CO2 to extinguish.
P405 Store locked up.
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 | propan-1-ol | | |
| | 71-23-8 200-746-9 603-003-00-0 - | Eye Dam. 1; H318 Flam. Liq. 2; H225 STOT SE 3; H336 | >= 50.00 - < 100.00 wt% |
| 2 | 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 - <= 10.00 wt% |
| 3 | 1-methoxy-2-propanol | | |
| | 107-98-2 203-539-1 603-064-00-3 - | Flam. Liq. 3; H226 STOT SE 3; H336 | >= 2.50 - <= 10.00 wt% |

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

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

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In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. Poisonous symptoms can first be observed after several hours, therefore medical observation for at least 48 hours is necessary.

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

Do not induce vomiting. 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

Alcohol-resistant 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 (CO₂); Carbon monoxide (CO)

5.3 Advice for firefighters

Cool endangered containers with water spray jet. Use self-contained breathing apparatus. Suppress gases/vapours/mists with water spray jet. 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. Ensure adequate ventilation. Keep away from ignition sources.

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). Send in suitable containers for recovery or disposal.

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

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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. Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

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.

Advice on protection against fire and explosion

Vapours can form an explosive mixture with air. Take precautionary measures against static charges. Keep away from sources of heat and ignition.

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.

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 | propan-1-ol | 71-23-8 | 200-746-9 |
| List of approved workplace exposure limits (WELs) / EH40 | | | |
| Propan-1-ol | | | |
| | WEL short-term (15 min reference period) | 625 mg/m ³ | 250 ppm |
| | WEL long-term (8-hr TWA reference period) | 500 mg/m ³ | 200 ppm |
| | Comments | Sk | |
| 2 | 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 |
| 3 | 1-methoxy-2-propanol | 107-98-2 | 203-539-1 |
| 2000/39/EC | | | |
| 1-Methoxypropanol-2 | | | |
| | WEL short-term (15 min reference period) | 568 mg/m ³ | 150 ppm |
| | WEL long-term (8-hr TWA reference period) | 375 mg/m ³ | 100 ppm |
| | Skin resorption / sensibilisation | Skin | |
| List of approved workplace exposure limits (WELs) / EH40 | | | |
| 1-Methoxypropan-2-ol | | | |
| | WEL short-term (15 min reference period) | 560 mg/m ³ | 150 ppm |
| | WEL long-term (8-hr TWA reference period) | 375 mg/m ³ | 100 ppm |
| | Comments | Sk | |

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

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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

| | |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------|
| State of aggregation | |
| liquid | |
| Form | |
| liquid | |
| Colour | |
| green | |
| Odour | |
| characteristic | |
| pH value | |
| No data available | |
| Boiling point / boiling range | |
| Value | 82 °C |
| Melting point/freezing point | |
| No data available | |
| Decomposition temperature | |
| No data available | |
| Flash point | |
| Value | 13 °C |
| Ignition temperature | |
| Value | 287 °C |
| Auto-ignition temperature | |
| Comments | Product is not selfigniting. |
| Explosive properties | |
| The product is not explosive. Formation of explosive/highly flammable air-vapour mixtures is possible during/after use. | |
| Flammability | |
| No data available | |
| Lower explosion limit | |
| Value | 2.1 % vol |
| Upper explosion limit | |

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| | | |
|----------------------------------------------------------|--------------------|-------|
| Value | 13.5 | % vol |
| Vapour pressure | | |
| Value | 19 | hPa |
| Reference temperature | 20 | °C |
| Relative vapour density | | |
| No data available | | |
| Relative density | | |
| No data available | | |
| Density | | |
| no data available | | |
| Solubility in water | | |
| Comments | partially miscible | |
| Solubility | | |
| No data available | | |
| Partition coefficient n-octanol/water (log value) | | |
| No data available | | |
| Kinematic viscosity | | |
| Value | 11.5 | mPa*s |
| Reference temperature | 20 | °C |
| Type | dynamic | |
| Solvent content | | |
| Value | 81.3 | % |
| Solids content | | |
| Value | 6.5 | % |
| 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

No data available.

10.5 Incompatible materials

No data available.

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 |
|----------------------------|

Trade name: edding refill ink whiteboard marker BT30, BTK25 (green) contained in: edding 360, edding

Current version : 4.1.1, issued: 27.10.2022

Replaced version: 4.1.0, issued: 22.10.2015

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| No | Substance name | CAS no. | EC no. |
|---------|----------------------|----------|------------------|
| 1 | propan-1-ol | 71-23-8 | 200-746-9 |
| LD50 | | 8000 | 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 | 1-methoxy-2-propanol | 107-98-2 | 203-539-1 |
| LD50 | | 5660 | mg/kg bodyweight |
| Species | rat | | |
| Source | Manufacturer | | |

| Acute dermal toxicity | | | |
|-----------------------|----------------------|----------|------------------|
| No | Substance name | CAS no. | EC no. |
| 1 | propan-1-ol | 71-23-8 | 200-746-9 |
| LD50 | | 4000 | mg/kg bodyweight |
| Species | rabbit | | |
| Source | Manufacturer | | |
| 2 | propan-2-ol | 67-63-0 | 200-661-7 |
| LD50 | | 12800 | mg/kg bodyweight |
| Species | rabbit | | |
| Source | Manufacturer | | |
| 3 | 1-methoxy-2-propanol | 107-98-2 | 203-539-1 |
| LD50 | | 9999.99 | mg/kg bodyweight |
| Species | rabbit | | |
| Source | Manufacturer | | |

| Acute inhalational toxicity | | | |
|-----------------------------|----------------|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | propan-1-ol | 71-23-8 | 200-746-9 |
| LC50 | | > | 33.8 mg/l |
| Duration of exposure | | 4 | h |
| State of aggregation | Vapour | | |
| Species | rat | | |
| Method | OECD 403 | | |
| Source | ECHA | | |
| 2 | 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 | |

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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

Inhalation of solvent vapours in higher concentration may lead to nausea, headache, drowsiness and dizziness. 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 | propan-2-ol | 67-63-0 | 200-661-7 |
| LC50 | | 9640 | mg/l |
| Duration of exposure | | 96 | h |
| Species | Pimephales promelas | | |
| Source | Manufacturer | | |

Toxicity to fish (chronic)

No data available

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 | | |

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 | | |

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) |

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| | |
|------------|-----------------------|
| 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 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

| | |
|---------------------------|------------------------|
| Class | 3 |
| Classification code | F1 |
| Packing group | II |
| Hazard identification no. | 33 |
| UN number | UN1263 |
| Proper shipping name | PAINT RELATED MATERIAL |
| Special Provision 640 | 640D |
| Tunnel restriction code | D/E |
| Label | 3 |

14.2 Transport IMDG

| | |
|----------------------|------------------------|
| Class | 3 |
| Packing group | II |
| UN number | UN1263 |
| Proper shipping name | PAINT RELATED MATERIAL |
| EmS | F-E, S-E |
| Label | 3 |

14.3 Transport ICAO-TI / IATA

| | |
|----------------------|------------------------|
| Class | 3 |
| Packing group | II |
| UN number | UN1263 |
| Proper shipping name | Paint related material |
| Label | 3 |

14.4 Other information

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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, 40

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 | propan-1-ol | 71-23-8 | 200-746-9 | 75 |
| 2 | 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 subject to Part I of Annex I, risk category: P5b

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)

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

Creation of the safety data sheet

UMCO GmbH

Georg-Wilhelm-Str. 187, D-21107 Hamburg

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

Trade name: edding refill ink whiteboard marker BT30, BTK25 (green) contained in: edding 360, edding

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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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Prod-ID 17418

Trade name: edding refill ink whiteboard marker BTK25 black (1129001)

Current version : 1.1.1, issued: 27.10.2022

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Region: GB

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

1.1 Product identifier

Trade name

edding refill ink whiteboard marker BTK25 black (1129001)

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

Relevant identified uses of the substance or mixture

Refill ink

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

Flam. Liq. 2; H225

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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| | |
|-----------------------------------|------------------------------------------------------------------------------------------------|
| GHS02 | GHS07 |
| Signal word | |
| Danger | |
| Hazard statement(s) | |
| H225 | Highly flammable liquid and vapour. |
| 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. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P370+P378 | In case of fire: Use water spray, extinguishing powder, foam or CO2 to extinguish. |
| 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

Alcoholic solution of organic pigments, binding agents and additives.

Hazardous ingredients

| No | Substance name | Additional information | |
|----|--------------------------------------------|------------------------------------------|-----------------------------------|
| | CAS / EC / Index / REACH no | Classification (EC) 1272/2008 (CLP) | Concentration % |
| 1 | ethanol | | pls. refer to footnote (1) |
| | 64-17-5 200-578-6 603-002-00-5 - | Flam. Liq. 2; H225 Eye Irrit. 2; H319 | >= 50.00 - < 100.00 wt% |
| 2 | 1-methoxy-2-propanol | | |
| | 107-98-2 203-539-1 603-064-00-3 - | Flam. Liq. 3; H226 STOT SE 3; H336 | >= 10.00 - < 25.00 wt% |

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

(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) |
|----|------|-------------------------------|------------------|--------------------|
| 1 | - | Eye Irrit. 2; H319: C >= 50% | - | - |

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

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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

Do not induce vomiting. 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

Alcohol-resistant 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 (CO₂); Carbon monoxide (CO)

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. Ensure adequate ventilation. Keep away from ignition sources.

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). Send in suitable containers for recovery or disposal.

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). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn. Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

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.

Advice on protection against fire and explosion

Vapours can form an explosive mixture with air. Take precautionary measures against static charges. Keep away from sources of heat and ignition. Use explosion-proof equipment/fittings and non-sparking tools.

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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. 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.

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 | ethanol | 64-17-5 | 200-578-6 |
| List of approved workplace exposure limits (WELs) / EH40 | | | |
| Ethanol | | | |
| | WEL long-term (8-hr TWA reference period) | 1920 mg/m ³ | 1000 ppm |
| 2 | 1-methoxy-2-propanol | 107-98-2 | 203-539-1 |
| 2000/39/EC | | | |
| 1-Methoxypropanol-2 | | | |
| | WEL short-term (15 min reference period) | 568 mg/m ³ | 150 ppm |
| | WEL long-term (8-hr TWA reference period) | 375 mg/m ³ | 100 ppm |
| | Skin resorption / sensibilisation | Skin | |
| List of approved workplace exposure limits (WELs) / EH40 | | | |
| 1-Methoxypropan-2-ol | | | |
| | WEL short-term (15 min reference period) | 560 mg/m ³ | 150 ppm |
| | WEL long-term (8-hr TWA reference period) | 375 mg/m ³ | 100 ppm |
| | Comments | Sk | |

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.

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

| | | |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------|-------|
| State of aggregation | | |
| liquid | | |
| Form | | |
| liquid | | |
| Colour | | |
| black | | |
| Odour | | |
| characteristic | | |
| pH value | | |
| not determined | | |
| Boiling point / boiling range | | |
| Value | 78 | °C |
| Melting point/freezing point | | |
| No data available | | |
| Decomposition temperature | | |
| No data available | | |
| Flash point | | |
| Value | 13 | °C |
| Ignition temperature | | |
| Value | 287 | °C |
| Auto-ignition temperature | | |
| Comments | Product is not selfigniting. | |
| Explosive properties | | |
| The product is not explosive. Formation of explosive/highly flammable air-vapour mixtures is possible during/after use. | | |
| Flammability | | |
| No data available | | |
| Lower explosion limit | | |
| Value | 1.7 | % vol |
| Upper explosion limit | | |
| Value | 15.0 | % vol |
| Vapour pressure | | |
| Value | 59 | hPa |
| Reference temperature | 20 | °C |
| Relative vapour density | | |
| No data available | | |
| Relative density | | |
| No data available | | |
| Density | | |
| No data available | | |
| Solubility in water | | |
| Comments | partially miscible | |
| Solubility | | |
| No data available | | |
| Partition coefficient n-octanol/water (log value) | | |
| | | |

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| |
|-------------------|
| No data available |
|-------------------|

| |
|----------------------------|
| Kinematic viscosity |
|----------------------------|

| |
|-------------------|
| No data available |
|-------------------|

| |
|------------------------|
| Solvent content |
|------------------------|

| | | |
|-------|------|---|
| Value | 79.1 | % |
|-------|------|---|

| |
|---------------------------------|
| 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

None known

10.5 Incompatible materials

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 | | | |
|----------------------------|----------------------|----------|------------------|
| No | Substance name | CAS no. | EC no. |
| 1 | 1-methoxy-2-propanol | 107-98-2 | 203-539-1 |
| LD50 | | 5660 | mg/kg bodyweight |
| Species | rat | | |
| Source | Manufacturer | | |

| Acute dermal toxicity | | | |
|------------------------------|----------------------|----------|------------------|
| No | Substance name | CAS no. | EC no. |
| 1 | 1-methoxy-2-propanol | 107-98-2 | 203-539-1 |
| LD50 | | 9999.99 | mg/kg bodyweight |
| Species | rabbit | | |
| Source | Manufacturer | | |

| 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

Inhalation of solvent vapours in higher concentration may lead to nausea, headache, drowsiness and dizziness. Repeated and prolonged skin contact may cause removal of natural fat from the skin and irritation of the skin.

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 data available

Toxicity to fish (chronic)

No data available

Toxicity to Daphnia (acute)

No data available

Toxicity to Daphnia (chronic)

No data available

Toxicity to algae (acute)

No data available

Toxicity to algae (chronic)

No data available

Bacteria toxicity

No data available

12.2 Persistence and degradability

No data available.

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 Endocrine disrupting properties

No data available.

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Region: GB

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

| | |
|---------------------------|--------|
| Class | 3 |
| Classification code | F1 |
| Packing group | II |
| Hazard identification no. | 33 |
| UN number | UN1263 |
| Proper shipping name | PAINT |
| Special Provision 640 | 640D |
| Tunnel restriction code | D/E |
| Label | 3 |

14.2 Transport IMDG

| | |
|----------------------|----------|
| Class | 3 |
| Packing group | II |
| UN number | UN1263 |
| Proper shipping name | PAINT |
| EmS | F-E, S-E |
| Label | 3 |

14.3 Transport ICAO-TI / IATA

| | |
|----------------------|--------|
| Class | 3 |
| Packing group | II |
| UN number | UN1263 |
| Proper shipping name | Paint |
| Label | 3 |

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

Trade name: edding refill ink whiteboard marker BTK25 black (1129001)

Current version : 1.1.1, issued: 27.10.2022

Replaced version: 1.1.0, issued: 26.10.2021

Region: GB

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, 40

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

This product is subject to Part I of Annex I, risk category: P5b

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)

H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.

Creation of the safety data sheet

UMCO GmbH

Georg-Wilhelm-Str. 187, D-21107 Hamburg

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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Prod-ID 679948

Trade name: edding refill ink whiteboard marker BTK25 blue (1158003)

Current version : 5.0.0, issued: 23.06.2022

Replaced version: 4.0.0, issued: 25.11.2021

Region: GB

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

1.1 Product identifier

Trade name

edding refill ink whiteboard marker BTK25 blue (1158003)

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

Relevant identified uses of the substance or mixture

Refill ink

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)

Aquatic Chronic 2; H411

Eye Irrit. 2; H319

Flam. Liq. 2; H225

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

Trade name: edding refill ink whiteboard marker BTK25 blue (1158003)

Current version : 5.0.0, issued: 23.06.2022

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GHS02



GHS07



GHS09

Signal word

Danger

Hazard statement(s)

H225 Highly flammable liquid and vapour.
 H319 Causes serious eye irritation.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P370+P378 In case of fire: Use water spray, extinguishing powder, foam or CO2 to extinguish.
 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

Alcoholic solution of organic pigments, binding agents and additives.

Hazardous ingredients

| No | Substance name | Additional information | |
|----|-------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------|
| | CAS / EC / Index / REACH no | Classification (EC) 1272/2008 (CLP) | Concentration % |
| 1 | ethanol | | |
| | 64-17-5 200-578-6 603-002-00-5 01-2119457610-43 | Flam. Liq. 2; H225 | 61.00 - 63.00 wt% |
| 2 | propan-2-ol | | |
| | 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 | 15.00 wt% |
| 3 | Bis(2-ethylhexyl) maleate | | |
| | 142-16-5 205-524-5 - 01-2119524002-60 | STOT RE 2; H373 Aquatic Chronic 1; H410 | 7.00 - 9.00 wt% |
| 4 | Tetrabenzo-5,10,15,20-diazaporphyrinephthalocyanine (C.I.Pigment #74160 Blue 15:3) | | |
| | 147-14-8 205-685-1 - - | - | 15.00 wt% |

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

SECTION 4: First aid measures

Trade name: edding refill ink whiteboard marker BTK25 blue (1158003)**Current version :** 5.0.0, issued: 23.06.2022**Replaced version:** 4.0.0, issued: 25.11.2021**Region:** GB

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. In case of persisting adverse effects consult a physician.

After skin contact

Wash immediately with plenty of water for several minutes. Consult a doctor if skin irritation persists.

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

Do not induce vomiting. 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

Alcohol-resistant 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 (CO₂); Carbon monoxide (CO)

5.3 Advice for firefighters

Cool endangered containers with water spray jet. Use self-contained breathing apparatus. Wear protective clothing. Run-off water from fire fighting must not be discharged into drains or enter surface water.

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. Keep away from ignition sources.

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). Send in suitable containers for recovery or disposal.

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Trade name: edding refill ink whiteboard marker BTK25 blue (1158003)

Current version : 5.0.0, issued: 23.06.2022

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Region: GB

Provide good ventilation at the work area (local exhaust ventilation, if necessary). Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

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.

Advice on protection against fire and explosion

Vapours can form an explosive mixture with air. Take precautionary measures against static charges. Keep away from sources of heat and ignition. Use explosion-proof equipment/fittings and non-sparking tools.

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.

Incompatible products

Do not store together with: oxidizing agents; Alkali metals; Earth alkali metals; Nitric acid; sulfuric acid; Peroxides

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 | ethanol | 64-17-5 | 200-578-6 |
| List of approved workplace exposure limits (WELs) / EH40 | | | |
| Ethanol | | | |
| | WEL long-term (8-hr TWA reference period) | 1920 mg/m ³ | 1000 ppm |
| 2 | 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 |
| 3 | Tetrabenzo-5,10,15,20-diazaporphyrinephthalocyanine (C.I.Pigment #74160 Blue 15:3) | 147-14-8 | 205-685-1 |
| List of approved workplace exposure limits (WELs) / EH40 | | | |
| Copper and compounds (as Cu) dusts and mists | | | |
| | WEL short-term (15 min reference period) | 2 mg/m ³ | |
| | WEL long-term (8-hr TWA reference period) | 1 mg/m ³ | |

DNEL, DMEL and PNEC values
DNEL values (worker)

| No | Substance name | CAS / EC no | | |
|----|-------------------|----------------------|----------|-----------------------|
| | Route of exposure | Exposure time | Effect | Value |
| 1 | ethanol | 64-17-5 200-578-6 | | |
| | dermal | Long term (chronic) | systemic | 343 mg/kg/day |
| | inhalative | Long term (chronic) | systemic | 950 mg/m ³ |
| 2 | propan-2-ol | 67-63-0 200-661-7 | | |
| | dermal | Long term (chronic) | systemic | 888 mg/kg/day |

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Current version : 5.0.0, issued: 23.06.2022

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| | | | | | |
|---|----------------------------------|---------------------|----------|-----------------|-------------------|
| 3 | inhalative | Long term (chronic) | systemic | 500 | mg/m ³ |
| | Bis(2-ethylhexyl) maleate | | | 142-16-5 | 205-524-5 |
| | dermal | Long term (chronic) | local | 3.91 | mg/kg/day |
| | dermal | Long term (chronic) | systemic | 0.42 | mg/kg/day |
| | inhalative | Long term (chronic) | local | 1.95 | mg/m ³ |
| | inhalative | Long term (chronic) | systemic | 1.95 | mg/m ³ |

DNEL value (consumer)

| No | Substance name | | | CAS / EC no | |
|----|--------------------|---------------------|----------|----------------|-------------------|
| | Route of exposure | Exposure time | Effect | Value | |
| 1 | ethanol | | | 64-17-5 | 200-578-6 |
| | oral | Long term (chronic) | systemic | 87 | mg/kg/day |
| | dermal | Long term (chronic) | systemic | 206 | mg/kg/day |
| | inhalative | Short term (acute) | local | 950 | mg/m ³ |
| | inhalative | Long term (chronic) | systemic | 114 | mg/m ³ |
| 2 | propan-2-ol | | | 67-63-0 | 200-661-7 |
| | 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 ³ |

PNEC values

| No | Substance name | | CAS / EC no | |
|----|----------------------------------|-----------------------|-----------------|------------------|
| | ecological compartment | Type | Value | |
| 1 | ethanol | | 64-17-5 | 200-578-6 |
| | water | fresh water | 0.96 | mg/L |
| | water | marine water | 0.79 | mg/L |
| | water | fresh water sediment | 3.6 | mg/kg |
| | with reference to: dry weight | | | |
| | water | Aqua intermittent | 2.75 | mg/L |
| | water | marine water sediment | 2.9 | mg/kg |
| | with reference to: dry weight | | | |
| | soil | - | 0.63 | mg/kg |
| | with reference to: dry weight | | | |
| | sewage treatment plant | - | 580 | mg/L |
| | secondary poisoning | - | 0.38 | g/kg |
| | with reference to: food | | | |
| 2 | propan-2-ol | | 67-63-0 | 200-661-7 |
| | 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 | - | 160 | mg/kg |
| | with reference to: food | | | |
| 3 | Bis(2-ethylhexyl) maleate | | 142-16-5 | 205-524-5 |
| | water | fresh water | 0.001 | mg/L |
| | water | marine water | 0.0001 | mg/L |
| | water | fresh water sediment | 15.95 | mg/kg |
| | water | marine water sediment | 1.595 | mg/kg |
| | soil | - | 3.19 | mg/kg |
| | sewage treatment plant | - | 100 | mg/L |

8.2 Exposure controls

Trade name: edding refill ink whiteboard marker BTK25 blue (1158003)

Current version : 5.0.0, issued: 23.06.2022

Replaced version: 4.0.0, issued: 25.11.2021

Region: GB

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. Short term: filter apparatus, Filter A

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.

| | | | |
|----------------------|-----------------------------|-----|----|
| Appropriate Material | butyl rubber | | |
| Material thickness | | 0.5 | mm |
| Breakthrough time | >= | 8 | h |
| Appropriate Material | Fluorocarbon rubber (Viton) | | |
| Material thickness | | 0.4 | mm |
| Breakthrough time | >= | 8 | h |
| Appropriate Material | Polychloroprene | | |
| Material thickness | | 0.5 | mm |
| Breakthrough time | >= | 2 | h |

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

| | |
|--------------------------------------|-----------|
| State of aggregation | |
| liquid | |
| Form/Colour | |
| liquid | |
| blue | |
| Odour | |
| alcohol-like | |
| pH value | |
| Value | 3 - 9 |
| Boiling point / boiling range | |
| Value | 78.3 °C |
| Melting point/freezing point | |
| Value | -114.5 °C |
| Decomposition temperature | |
| No data available | |
| Flash point | |
| Value | 12 °C |
| Ignition temperature | |
| No data available | |

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| Auto-ignition temperature | | | |
|----------------------------------------------------------|----------------|---------|-----------|
| Value | 425 °C | | |
| Flammability | | | |
| No data available | | | |
| Lower explosion limit | | | |
| Value | 3.5 % vol | | |
| Upper explosion limit | | | |
| Value | 15.0 % vol | | |
| Vapour pressure | | | |
| Value | 59 | hPa | |
| Reference temperature | 20 | °C | |
| Relative vapour density | | | |
| No data available | | | |
| Relative density | | | |
| No data available | | | |
| Density | | | |
| No data available | | | |
| Solubility in water | | | |
| Comments | miscible | | |
| Solubility | | | |
| No data available | | | |
| Partition coefficient n-octanol/water (log value) | | | |
| No | Substance name | CAS no. | EC no. |
| 1 | propan-2-ol | 67-63-0 | 200-661-7 |
| log Pow | | 0.05 | |
| Reference temperature | | 25 °C | |
| Source | | ECHA | |
| Kinematic viscosity | | | |
| Value | 7.5 | - 12 | cP |
| Reference temperature | 20 | | °C |
| Type | dynamic | | |
| 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

Oxidizing agents; Alkali metals; Earth alkali metals; Nitric acid; sulfuric acid; Peroxides

Trade name: edding refill ink whiteboard marker BTK25 blue (1158003)

Current version : 5.0.0, issued: 23.06.2022

Replaced version: 4.0.0, issued: 25.11.2021

Region: GB

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 | | | |
|---------------------------|-------------------------------------------------------------------|----------|------------------|
| No | Substance name | CAS no. | EC no. |
| 1 | ethanol | 64-17-5 | 200-578-6 |
| LD50 | | 10740 | mg/kg bodyweight |
| Species | rat | | |
| Method | OECD 401 | | |
| Source | ECHA | | |
| 2 | 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. | | |
| 3 | Bis(2-ethylhexyl) maleate | 142-16-5 | 205-524-5 |
| LD50 | > | 2000 | mg/kg bodyweight |
| Species | rat | | |
| Method | OECD 401 | | |
| Source | ECHA | | |

| Acute dermal toxicity | | | |
|-----------------------|---------------------------|----------|------------------|
| No | Substance name | CAS no. | EC no. |
| 1 | Bis(2-ethylhexyl) maleate | 142-16-5 | 205-524-5 |
| LD50 | | 14000 | mg/kg bodyweight |
| Species | rabbit | | |
| Source | ECHA | | |

| Acute inhalational toxicity | | | |
|-----------------------------|-------------------------------------------------------------------|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | ethanol | 64-17-5 | 200-578-6 |
| LC50 | | 124.7 | mg/l |
| Duration of exposure | | 4 | h |
| State of aggregation | Dust/mist | | |
| Species | rat | | |
| Method | OECD 403 | | |
| Source | ECHA | | |
| 2 | 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 | propan-2-ol | 67-63-0 | 200-661-7 |
| Species | rabbit | | |
| Source | ECHA | | |
| Evaluation | non-irritant | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

| Serious eye damage/irritation | | | |
|-------------------------------|----------------|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | propan-2-ol | 67-63-0 | 200-661-7 |

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| | |
|---------------------------|---------------------------------------------------------------|
| Species | rabbit |
| Method | OECD 405 |
| Source | ECHA |
| Evaluation | irritant |
| Evaluation/classification | Based on available data, the classification criteria are met. |

| Respiratory or skin sensitisation | | | |
|-----------------------------------|-------------------------------------------------------------------|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | ethanol | 64-17-5 | 200-578-6 |
| Route of exposure | | Skin | |
| Species | mouse | | |
| Method | OECD 429 | | |
| 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. | | |

| Germ cell mutagenicity | | | |
|---------------------------|-------------------------------------------------------------------|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | ethanol | 64-17-5 | 200-578-6 |
| 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. | | |

| Reproduction toxicity | | | |
|---------------------------|-------------------------------------------------------------------|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | ethanol | 64-17-5 | 200-578-6 |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

| Carcinogenicity | | | |
|---------------------------|-------------------------------------------------------------------|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | ethanol | 64-17-5 | 200-578-6 |
| 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. |
| 1 | propan-2-ol | 67-63-0 | 200-661-7 |
| Route of exposure | | inhalational | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

| Aspiration hazard | |
|-------------------|--|
| No data available | |

| Delayed and immediate effects as well as chronic effects from short and long-term exposure | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Inhalation of solvent vapours in higher concentration may lead to nausea, headache, drowsiness and dizziness. 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

Trade name: edding refill ink whiteboard marker BTK25 blue (1158003)

Current version : 5.0.0, issued: 23.06.2022

Replaced version: 4.0.0, issued: 25.11.2021

Region: GB

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 | ethanol | 64-17-5 | 200-578-6 |
| LC50 | > | 14000 | mg/l |
| Duration of exposure | | 96 | h |
| Species | Pimephales promelas | | |
| Method | EPA E03-05 | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |
| 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 | | |

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

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

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

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

| 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 |
| Type | BOD/COD | | |
| Value | | 53 | % |
| Duration | | 5 | day(s) |
| Source | ECHA | | |
| Evaluation | readily biodegradable | | |

12.3 Bioaccumulative potential

| Partition coefficient n-octanol/water (log value) | | | |
|----------------------------------------------------------|----------------|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | propan-2-ol | 67-63-0 | 200-661-7 |
| log Pow | | 0.05 | |

Trade name: edding refill ink whiteboard marker BTK25 blue (1158003)

Current version : 5.0.0, issued: 23.06.2022

Replaced version: 4.0.0, issued: 25.11.2021

Region: GB

| | | |
|-----------------------|------|----|
| Reference temperature | 25 | °C |
| 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
14.1 Transport ADR/RID/ADN

| | |
|------------------------------------------|------------------------|
| Class | 3 |
| Classification code | F1 |
| Packing group | II |
| Hazard identification no. | 33 |
| UN number | UN1263 |
| Proper shipping name | PAINT |
| Special Provision 640 | 640C |
| Tunnel restriction code | D/E |
| Label | 3 |
| Environmentally hazardous substance mark | Symbol "fish and tree" |

14.2 Transport IMDG

| | |
|-----------------------|---------------------------|
| Class | 3 |
| Packing group | II |
| UN number | UN1263 |
| Proper shipping name | PAINT |
| Technical name | Bis(2-ethylhexyl) maleate |
| EmS | F-E, S-E |
| Label | 3 |
| Marine pollutant mark | Symbol "fish and tree" |

14.3 Transport ICAO-TI / IATA

| | |
|----------------------|--------|
| Class | 3 |
| Packing group | II |
| UN number | UN1263 |
| Proper shipping name | Paint |
| Label | 3 |

14.4 Other information

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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, 40

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 | 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 subject to Part I of Annex I, risk category: E2, P5b

If the properties of the substance/product give rise to more than one classification, for the purposes of 2012/18/UE, the lowest qualifying quantities set out in Part 1 and Part 2 of Annex I shall apply.

REGULATION (EU) No 528/2012 concerning the making available on the market and use of biocidal products

Bis(2-ethylhexyl) maleate 9 wt%

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)

| | |
|------|-------------------------------------------------------------------|
| H336 | May cause drowsiness or dizziness. |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H410 | Very toxic to aquatic life with long lasting effects. |

Creation of the safety data sheet

UMCO GmbH

Georg-Wilhelm-Str. 187, D-21107 Hamburg

Trade name: edding refill ink whiteboard marker BTK25 blue (1158003)

Current version : 5.0.0, issued: 23.06.2022

Replaced version: 4.0.0, issued: 25.11.2021

Region: GB

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.

Alterations/supplements:

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

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Prod-ID 679967

Trade name: edding refill ink whiteboard marker BTK25 green (1129004)

Current version : 1.2.1, issued: 27.10.2022

Replaced version: 1.2.0, issued: 26.10.2021

Region: GB

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

1.1 Product identifier

Trade name

edding refill ink whiteboard marker BTK25 green (1129004)

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

Relevant identified uses of the substance or mixture

Refill ink

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 Dam. 1; H318

Flam. Liq. 2; H225

STOT SE 3; H336

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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GHS02



GHS05



GHS07

Signal word

Danger

Hazardous component(s) to be indicated on label:

propan-1-ol

Hazard statement(s)

H225 Highly flammable liquid and vapour.
 H318 Causes serious eye damage.
 H336 May cause drowsiness or dizziness.

Precautionary statement(s)

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.
 P370+P378 In case of fire: Use water spray, extinguishing powder, foam or CO2 to extinguish.
 P405 Store locked up.
 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 | propan-1-ol | | | |
| | 71-23-8 200-746-9 603-003-00-0 - | Eye Dam. 1; H318 Flam. Liq. 2; H225 STOT SE 3; H336 | >= 50.00 - < 100.00 | wt% |
| 2 | 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 - <= 10.00 | wt% |
| 3 | 1-methoxy-2-propanol | | | |
| | 107-98-2 203-539-1 603-064-00-3 - | Flam. Liq. 3; H226 STOT SE 3; H336 | >= 2.50 - <= 10.00 | wt% |

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

Trade name: edding refill ink whiteboard marker BTK25 green (1129004)

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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. Poisonous symptoms can first be observed after several hours, therefore medical observation for at least 48 hours is necessary.

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

Do not induce vomiting. 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

Alcohol-resistant 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 (CO₂); Carbon monoxide (CO)

5.3 Advice for firefighters

Cool endangered containers with water spray jet. Use self-contained breathing apparatus. Suppress gases/vapours/mists with water spray jet. 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. Ensure adequate ventilation. Keep away from ignition sources.

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). 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. Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

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.

Advice on protection against fire and explosion

Vapours can form an explosive mixture with air. Take precautionary measures against static charges. Keep away from sources of heat and ignition.

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.

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 | propan-1-ol | 71-23-8 | 200-746-9 |
| List of approved workplace exposure limits (WELs) / EH40 | | | |
| Propan-1-ol | | | |
| | WEL short-term (15 min reference period) | 625 mg/m ³ | 250 ppm |
| | WEL long-term (8-hr TWA reference period) | 500 mg/m ³ | 200 ppm |
| | Comments | Sk | |
| 2 | 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 |
| 3 | 1-methoxy-2-propanol | 107-98-2 | 203-539-1 |
| 2000/39/EC | | | |
| 1-Methoxypropanol-2 | | | |
| | WEL short-term (15 min reference period) | 568 mg/m ³ | 150 ppm |
| | WEL long-term (8-hr TWA reference period) | 375 mg/m ³ | 100 ppm |
| | Skin resorption / sensibilisation | Skin | |
| List of approved workplace exposure limits (WELs) / EH40 | | | |
| 1-Methoxypropan-2-ol | | | |
| | WEL short-term (15 min reference period) | 560 mg/m ³ | 150 ppm |
| | WEL long-term (8-hr TWA reference period) | 375 mg/m ³ | 100 ppm |
| | Comments | Sk | |

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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

| | |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------|
| State of aggregation | |
| liquid | |
| Form | |
| liquid | |
| Colour | |
| green | |
| Odour | |
| characteristic | |
| pH value | |
| No data available | |
| Boiling point / boiling range | |
| Value | 82 °C |
| Melting point/freezing point | |
| No data available | |
| Decomposition temperature | |
| No data available | |
| Flash point | |
| Value | 13 °C |
| Ignition temperature | |
| Value | 287 °C |
| Auto-ignition temperature | |
| Comments | Product is not selfigniting. |
| Explosive properties | |
| The product is not explosive. Formation of explosive/highly flammable air-vapour mixtures is possible during/after use. | |

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| | | | |
|----------------------------------------------------------|--------------------|-------|--|
| Flammability | | | |
| No data available | | | |
| Lower explosion limit | | | |
| Value | 2.1 | % vol | |
| Upper explosion limit | | | |
| Value | 13.5 | % vol | |
| Vapour pressure | | | |
| Value | 19 | hPa | |
| Reference temperature | 20 | °C | |
| Relative vapour density | | | |
| No data available | | | |
| Relative density | | | |
| No data available | | | |
| Density | | | |
| no data available | | | |
| Solubility in water | | | |
| Comments | partially miscible | | |
| Solubility | | | |
| No data available | | | |
| Partition coefficient n-octanol/water (log value) | | | |
| No data available | | | |
| Kinematic viscosity | | | |
| Value | 11.5 | mPa*s | |
| Reference temperature | 20 | °C | |
| Type | dynamic | | |
| Solvent content | | | |
| Value | 81.3 | % | |
| Solids content | | | |
| Value | 6.5 | % | |
| 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

No data available.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

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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 | | | |
|---------------------|----------------------|----------|------------------|
| No | Substance name | CAS no. | EC no. |
| 1 | propan-1-ol | 71-23-8 | 200-746-9 |
| LD50 | | 8000 | 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 | 1-methoxy-2-propanol | 107-98-2 | 203-539-1 |
| LD50 | | 5660 | mg/kg bodyweight |
| Species | rat | | |
| Source | Manufacturer | | |

| Acute dermal toxicity | | | |
|-----------------------|----------------------|----------|------------------|
| No | Substance name | CAS no. | EC no. |
| 1 | propan-1-ol | 71-23-8 | 200-746-9 |
| LD50 | | 4000 | mg/kg bodyweight |
| Species | rabbit | | |
| Source | Manufacturer | | |
| 2 | propan-2-ol | 67-63-0 | 200-661-7 |
| LD50 | | 12800 | mg/kg bodyweight |
| Species | rabbit | | |
| Source | Manufacturer | | |
| 3 | 1-methoxy-2-propanol | 107-98-2 | 203-539-1 |
| LD50 | | 9999.99 | mg/kg bodyweight |
| Species | rabbit | | |
| Source | Manufacturer | | |

| Acute inhalational toxicity | | | |
|-----------------------------|----------------|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | propan-1-ol | 71-23-8 | 200-746-9 |
| LC50 | | > | 33.8 mg/l |
| Duration of exposure | | 4 | h |
| State of aggregation | Vapour | | |
| Species | rat | | |
| Method | OECD 403 | | |
| Source | ECHA | | |
| 2 | 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 |

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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

Inhalation of solvent vapours in higher concentration may lead to nausea, headache, drowsiness and dizziness. 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 | propan-2-ol | 67-63-0 | 200-661-7 |
| LC50 | | 9640 | mg/l |
| Duration of exposure | | 96 | h |
| Species | Pimephales promelas | | |
| Source | Manufacturer | | |

Toxicity to fish (chronic)

No data available

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 | | |

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 | | |

Toxicity to algae (chronic)

No data available

Bacteria toxicity

No data available

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Replaced version: 1.2.0, issued: 26.10.2021

Region: GB

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 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

| | |
|---------------------------|------------------------|
| Class | 3 |
| Classification code | F1 |
| Packing group | II |
| Hazard identification no. | 33 |
| UN number | UN1263 |
| Proper shipping name | PAINT RELATED MATERIAL |
| Special Provision 640 | 640D |
| Tunnel restriction code | D/E |
| Label | 3 |

14.2 Transport IMDG

| | |
|----------------------|------------------------|
| Class | 3 |
| Packing group | II |
| UN number | UN1263 |
| Proper shipping name | PAINT RELATED MATERIAL |
| EmS | F-E, S-E |
| Label | 3 |

14.3 Transport ICAO-TI / IATA

Trade name: edding refill ink whiteboard marker BTK25 green (1129004)

Current version : 1.2.1, issued: 27.10.2022

Replaced version: 1.2.0, issued: 26.10.2021

Region: GB

| | |
|----------------------|------------------------|
| Class | 3 |
| Packing group | II |
| UN number | UN1263 |
| Proper shipping name | Paint related material |
| Label | 3 |

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, 40

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 | propan-1-ol | 71-23-8 | 200-746-9 | 75 |
| 2 | 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 subject to Part I of Annex I, risk category: P5b

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)

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

Creation of the safety data sheet

Trade name: edding refill ink whiteboard marker BTK25 green (1129004)

Current version : 1.2.1, issued: 27.10.2022

Replaced version: 1.2.0, issued: 26.10.2021

Region: GB

UMCO GmbH
Georg-Wilhelm-Str. 187, D-21107 Hamburg
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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 679971

Trade name: edding refill ink whiteboard marker BTK25 red (1129002)

Current version : 1.2.0, issued: 26.10.2021

Replaced version: 1.1.0, issued: 12.07.2021

Region: GB

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

1.1 Product identifier

Trade name

edding refill ink whiteboard marker BTK25 red (1129002)

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

Relevant identified uses of the substance or mixture

Refill ink

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

Flam. Liq. 2; H225

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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Region: GB


GHS02



GHS07

Signal word

Danger

Hazard statement(s)

H225 Highly flammable liquid and vapour.

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.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P370+P378 In case of fire: Use water spray, extinguishing powder, foam or CO2 to extinguish.

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

Alcoholic solution of organic pigments, binding agents and additives.

Hazardous ingredients

| No | Substance name | | Additional information | |
|----|--------------------------------------------|------------------------------------------|----------------------------|-----|
| | CAS / EC / Index / REACH no | Classification (EC) 1272/2008 (CLP) | Concentration | % |
| 1 | ethanol | | pls. refer to footnote (1) | |
| | 64-17-5 200-578-6 603-002-00-5 - | Flam. Liq. 2; H225 Eye Irrit. 2; H319 | >= 50.00 - < 70.00 | wt% |
| 2 | 1-methoxy-2-propanol | | | |
| | 107-98-2 203-539-1 603-064-00-3 - | Flam. Liq. 3; H226 STOT SE 3; H336 | >= 10.00 - < 25.00 | wt% |

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

(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) |
|----|------|-------------------------------|------------------|--------------------|
| 1 | - | Eye Irrit. 2; H319: C >= 50% | - | - |

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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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

Do not induce vomiting. 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

Alcohol-resistant 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 (CO₂); Carbon monoxide (CO)

5.3 Advice for firefighters

Cool endangered containers with water spray jet. Use self-contained breathing apparatus. Suppress gases/vapours/mists with water spray jet. 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. Ensure adequate ventilation. Keep away from ignition sources.

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). Send in suitable containers for recovery or disposal.

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). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn. Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

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

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skin. Remove soiled or soaked clothing immediately. Do not inhale vapours. Clean skin thoroughly after work; apply skin cream.

Advice on protection against fire and explosion

Vapours can form an explosive mixture with air. Take precautionary measures against static charges. Keep away from sources of heat and ignition. Use explosion-proof equipment/fittings and non-sparking tools.

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 | ethanol | 64-17-5 | 200-578-6 |
| List of approved workplace exposure limits (WELs) / EH40 | | | |
| Ethanol | | | |
| | WEL long-term (8-hr TWA reference period) | 1920 | mg/m ³ 1000 ppm |
| 2 | 1-methoxy-2-propanol | 107-98-2 | 203-539-1 |
| 2000/39/EC | | | |
| 1-Methoxypropanol-2 | | | |
| | WEL short-term (15 min reference period) | 568 | mg/m ³ 150 ppm |
| | WEL long-term (8-hr TWA reference period) | 375 | mg/m ³ 100 ppm |
| | Skin resorption / sensibilisation | Skin | |
| List of approved workplace exposure limits (WELs) / EH40 | | | |
| 1-Methoxypropan-2-ol | | | |
| | WEL short-term (15 min reference period) | 560 | mg/m ³ 150 ppm |
| | WEL long-term (8-hr TWA reference period) | 375 | mg/m ³ 100 ppm |
| | Comments | Sk | |

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

| | |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------|
| State of aggregation | |
| liquid | |
| Form/Colour | |
| liquid | |
| red | |
| Odour | |
| characteristic | |
| pH value | |
| No data available | |
| Boiling point / boiling range | |
| Value | 78 °C |
| Melting point/freezing point | |
| No data available | |
| Decomposition temperature | |
| No data available | |
| Flash point | |
| Value | 13 °C |
| Ignition temperature | |
| Value | 287 °C |
| Auto-ignition temperature | |
| Comments | Product is not selfigniting. |
| Explosive properties | |
| The product is not explosive. Formation of explosive/highly flammable air-vapour mixtures is possible during/after use. | |
| Flammability | |
| No data available | |
| Lower explosion limit | |
| Value | 1.7 % vol |
| Upper explosion limit | |
| Value | 15.0 % vol |
| Vapour pressure | |
| Value | 59 hPa |
| Reference temperature | 20 °C |
| Relative vapour density | |
| No data available | |
| Relative density | |
| No data available | |
| Density | |
| no data available | |
| Solubility in water | |
| Comments | partially miscible |
| Solubility | |

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| |
|-------------------|
| No data available |
|-------------------|

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

| |
|-------------------|
| No data available |
|-------------------|

| Viscosity |
|-----------|
|-----------|

| |
|-------------------|
| No data available |
|-------------------|

| Solvent content |
|-----------------|
|-----------------|

| | | |
|-------|------|---|
| Value | 79.1 | % |
|-------|------|---|

| 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

No data available.

10.5 Incompatible materials

No data available.

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 | | | |
|---------------------|--|--|--|
|---------------------|--|--|--|

| No | Substance name | CAS no. | EC no. |
|---------|----------------------|----------|------------------|
| 1 | 1-methoxy-2-propanol | 107-98-2 | 203-539-1 |
| LD50 | | 5660 | mg/kg bodyweight |
| Species | rat | | |
| Source | Manufacturer | | |

| Acute dermal toxicity | | | |
|-----------------------|--|--|--|
|-----------------------|--|--|--|

| No | Substance name | CAS no. | EC no. |
|---------|----------------------|----------|------------------|
| 1 | 1-methoxy-2-propanol | 107-98-2 | 203-539-1 |
| LD50 | | 9999.99 | mg/kg bodyweight |
| Species | rabbit | | |
| Source | Manufacturer | | |

| Acute inhalational toxicity |
|-----------------------------|
|-----------------------------|

| |
|-------------------|
| No data available |
|-------------------|

| Skin corrosion/irritation |
|---------------------------|
|---------------------------|

| |
|-------------------|
| No data available |
|-------------------|

| Serious eye damage/irritation |
|-------------------------------|
|-------------------------------|

| |
|-------------------|
| No data available |
|-------------------|

| Respiratory or skin sensitisation |
|-----------------------------------|
|-----------------------------------|

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Replaced version: 1.1.0, issued: 12.07.2021

Region: GB

| |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
| Delayed and immediate effects as well as chronic effects from short and long-term exposure |
| Inhalation of solvent vapours in higher concentration may lead to nausea, headache, drowsiness and dizziness. 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 data available |
| Toxicity to fish (chronic) |
| No data available |
| Toxicity to Daphnia (acute) |
| No data available |
| Toxicity to Daphnia (chronic) |
| No data available |
| Toxicity to algae (acute) |
| No data available |
| 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 | ethanol | 64-17-5 | 200-578-6 |
| Value | | | % |

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

Trade name: edding refill ink whiteboard marker BTK25 red (1129002)

Current version : 1.2.0, issued: 26.10.2021

Replaced version: 1.1.0, issued: 12.07.2021

Region: GB

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

| | |
|---------------------------|--------|
| Class | 3 |
| Classification code | F1 |
| Packing group | II |
| Hazard identification no. | 33 |
| UN number | UN1263 |
| Proper shipping name | PAINT |
| Special Provision 640 | 640D |
| Tunnel restriction code | D/E |
| Label | 3 |

14.2 Transport IMDG

| | |
|----------------------|----------|
| Class | 3 |
| Packing group | II |
| UN number | UN1263 |
| Proper shipping name | PAINT |
| EmS | F-E, S-E |
| Label | 3 |

14.3 Transport ICAO-TI / IATA

| | |
|----------------------|--------|
| Class | 3 |
| Packing group | II |
| UN number | UN1263 |
| Proper shipping name | Paint |
| Label | 3 |

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.

Trade name: edding refill ink whiteboard marker BTK25 red (1129002)

Current version : 1.2.0, issued: 26.10.2021

Replaced version: 1.1.0, issued: 12.07.2021

Region: GB

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, 40 |
|----------------------------------------------------------------------------------------|----------|

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

| | |
|--------------------------------------------------------------|-----|
| This product is subject to Part I of Annex I, risk category: | P5b |
|--------------------------------------------------------------|-----|

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)

| | |
|------|------------------------------------|
| H226 | Flammable liquid and vapour. |
| H336 | May cause drowsiness or dizziness. |

Creation of the safety data sheet

UMCO GmbH

Georg-Wilhelm-Str. 187, D-21107 Hamburg

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.

Alterations/supplements:

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

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Prod-ID 679964