

**Trade name:** edding Paste (black, red, blue, yellow, white) contained in: edding 950

**Current version :** 5.0.0, issued: 06.05.2024

**Replaced version:** 4.1.3, issued: 27.10.2022

**Region:** GB

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

### 1.1 Product identifier

**Trade name**

**edding Paste (black, red, blue, yellow, white) contained in: edding 950**

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

**Relevant identified uses of the substance or mixture**

Paste for 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)**

Acute Tox. 4; H332

Eye Irrit. 2; H319

Skin Irrit. 2; H315

**Classification information**

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)**

**Hazard pictograms**



GHS07

**Signal word**

Warning

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

2-butoxyethanol

**Hazard statement(s)**

H315

Causes skin irritation.

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H319 Causes serious eye irritation.  
H332 Harmful if inhaled.

**Precautionary statement(s)**

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P271 Use only outdoors or in a well-ventilated area.  
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  | 2-butoxyethanol                             |   |                        |
|    | 111-76-2<br>203-905-0<br>603-014-00-0<br>-  | Acute Tox. 4; H302<br>Skin Irrit. 2; H315<br>Eye Irrit. 2; H319<br>Acute Tox. 3; H331 | >= 25.00 - < 50.00 wt% |
| 2  | 3-butoxypropan-2-ol                         |   |                        |
|    | 5131-66-8<br>225-878-4<br>603-052-00-8<br>- | Eye Irrit. 2; H319<br>Skin Irrit. 2; H315   | >= 10.00 - < 25.00 wt% |

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

**Acute toxicity estimate (ATE) values**

| No | oral                  | dermal | inhalative |
|----|-----------------------|--------|------------|
| 1  | 1200 mg/kg bodyweight |        | 3 mg/l     |

**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. Irregular breathing/no breathing: artificial respiration. Call a doctor immediately. 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**

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Rinse the mouth thoroughly with water. Call a doctor immediately. Never give anything by mouth to an unconscious person.

**4.2 Most important symptoms and effects, both acute and delayed**

No data available.

**4.3 Indication of any immediate medical attention and special treatment needed**

No data available.

## SECTION 5: Firefighting measures

**5.1 Extinguishing media**

**Suitable extinguishing media**

Foam; Dry chemical extinguisher; 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 monoxide (CO); Carbon dioxide (CO<sub>2</sub>)

**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.

**For emergency responders**

No data available. Personal protective equipment (PPE) - see Section 8.

**6.2 Environmental precautions**

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

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

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

**6.4 Reference to other sections**

No data available.

## SECTION 7: Handling and storage

**7.1 Precautions for safe handling**

**Advice on safe handling**

Provide good ventilation at the work area (local exhaust ventilation, if necessary). 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. Wash hands before breaks and after work.

**Advice on protection against fire and explosion**

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**

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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: Acids; Bases; oxidizing agents

**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  | 2-butoxyethanol   | 111-76-2 | 203-905-0                |
|    | 2000/39/EC  |          |                          |
|    | 2-Butoxyethanol   |          |                          |
|    | WEL short-term (15 min reference period)                        | 246      | mg/m <sup>3</sup> 50 ppm |
|    | WEL long-term (8-hr TWA reference period)                       | 98       | mg/m <sup>3</sup> 20 ppm |
|    | Skin resorption / sensibilisation                               | Skin     |                          |
|    | <b>List of approved workplace exposure limits (WELs) / EH40</b> |          |                          |
|    | 2-Butoxyethanol   |          |                          |
|    | WEL short-term (15 min reference period)                        | 246      | mg/m <sup>3</sup> 50 ppm |
|    | WEL long-term (8-hr TWA reference period)                       | 123      | mg/m <sup>3</sup> 25 ppm |
|    | Comments  | Sk, BMGV |                          |

**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**

|                             |
|-----------------------------|
| <b>State of aggregation</b> |
| solid                       |
| <b>Form</b>                 |
| paste                       |
| <b>Colour</b>               |

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various

**Odour**

ether-like

**pH value**

No data available

**Boiling point / boiling range**

|       |       |     |    |
|-------|-------|-----|----|
| Value | appr. | 180 | °C |
|-------|-------|-----|----|

**Melting point/freezing point**

|       |       |     |    |
|-------|-------|-----|----|
| Value | appr. | 140 | °C |
|-------|-------|-----|----|

**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                 | < | 1.00 | g/cm <sup>3</sup> |
| Reference temperature |   | 25   | °C                |

**Solubility in water**

|          |           |
|----------|-----------|
| Comments | insoluble |
|----------|-----------|

**Solubility**

No data available

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

No data available

**Kinematic viscosity**

No data available

**Particle characteristics**

No data available

**9.2 Other information**
**Other information**

No data available.

**SECTION 10: Stability and reactivity**
**10.1 Reactivity**

No data available.

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**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**

Protect from heat and direct sunlight.

**10.5 Incompatible materials**

Acids; Bases; Oxidizing agents

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

**SECTION 11: Toxicological information**
**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

| Acute oral toxicity (result of the ATE calculation for the mixture) |   |
|---|---|
| No  | Product Name  |
| 1   | edding Paste (black, red, blue, yellow, white)<br>contained in: edding 950  |
| Comments  | The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg). |

| Acute oral toxicity |                        |          |                  |
|---------------------|------------------------|----------|------------------|
| No                  | Substance name         | CAS no.  | EC no.           |
| 1                   | 2-butoxyethanol        | 111-76-2 | 203-905-0        |
| ATE                 |                        | 1200     | mg/kg bodyweight |
| Species             | rat                    |          |                  |
| Source              | 1272/2008/EC, Annex VI |          |                  |

| Acute dermal toxicity |  |
|-----------------------|--|
| No data available     |  |

| Acute inhalational toxicity (result of the ATE calculation for the mixture) |   |
|---|---|
| No  | Product Name  |
| 1   | edding Paste (black, red, blue, yellow, white)<br>contained in: edding 950                          |
| ATE (Mixture)   | 10.7143 mg/l  |
| Route of exposure / physical from   | Vapour  |
| Method  | Calculation method according Regulation (EC) No 1272/2008, (CLP), annex I, part 3, section 3.1.3.6. |

| Acute inhalational toxicity |                        |          |           |
|-----------------------------|------------------------|----------|-----------|
| No                          | Substance name         | CAS no.  | EC no.    |
| 1                           | 2-butoxyethanol        | 111-76-2 | 203-905-0 |
| ATE                         |                        | 3        | mg/l      |
| State of aggregation        | Vapour                 |          |           |
| Species                     | rat                    |          |           |
| Source                      | 1272/2008/EC, Annex VI |          |           |

| Skin corrosion/irritation |  |
|---------------------------|--|
| No data available         |  |

| Serious eye damage/irritation |  |
|-------------------------------|--|
| No data available             |  |

| Respiratory or skin sensitisation |  |
|-----------------------------------|--|
| No data available                 |  |

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|                               |
|-------------------------------|
| <b>Germ cell mutagenicity</b> |
| No data available             |

|                              |
|------------------------------|
| <b>Reproduction toxicity</b> |
| No data available            |

|                        |
|------------------------|
| <b>Carcinogenicity</b> |
| No data available      |

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

|                                 |
|---------------------------------|
| <b>STOT - repeated exposure</b> |
| No data available               |

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

## 11.2 Information on other hazards

### Endocrine disrupting properties

No data available.

### Other information

No data available.

## SECTION 12: Ecological information

### 12.1 Toxicity

|                                 |
|---------------------------------|
| <b>Toxicity to fish (acute)</b> |
| No data available               |

|                                   |
|-----------------------------------|
| <b>Toxicity to fish (chronic)</b> |
| No data available                 |

|                                    |
|------------------------------------|
| <b>Toxicity to Daphnia (acute)</b> |
| No data available                  |

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

|                                  |
|----------------------------------|
| <b>Toxicity to algae (acute)</b> |
| No data available                |

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

|                          |
|--------------------------|
| <b>Bacteria toxicity</b> |
| 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

No data available.

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## 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 UN number or ID number

Not classified as dangerous in the meaning of transport regulations.

### 14.2 UN proper shipping name

Not classified as dangerous in the meaning of transport regulations.

### 14.3 Transport hazard class(es)

Not classified as dangerous in the meaning of transport regulations.

### 14.4 Packing group

Not classified as dangerous in the meaning of transport regulations.

### 14.5 Environmental hazards

Not classified as dangerous in the meaning of transport regulations.

### 14.6 Special precautions for user

No data available.

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

Not relevant

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU regulations

#### Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

#### REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

#### Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

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

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

| No | Substance name      | CAS no.   | EC no.    | No |
|----|---------------------|-----------|-----------|----|
| 1  | 2-butoxyethanol     | 111-76-2  | 203-905-0 | 75 |
| 2  | 3-butoxypropan-2-ol | 5131-66-8 | 225-878-4 | 75 |



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

This product is not subject to Part 1 or 2 of Annex I.

**15.2 Chemical safety assessment**

A chemical safety assessment has not been carried out for this mixture.

**SECTION 16: Other information**

**Sources of key data used to compile the data sheet:**

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)**

H302 Harmful if swallowed.

H331 Toxic if inhaled.

**Creation of the safety data sheet**

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

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

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