

**Trade name:** edding Ink contained in: edding 1800

**Current version :** 1.0.0, issued: 24.02.2015

**Replaced version:** -, issued: -

**Region:** GB

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

### 1.1 Product identifier

**Trade name**

**edding Ink contained in: edding 1800**

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

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

### 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 information**

This product does not meet the classification and labelling criteria given in the Dangerous Preparations Directive (1999/45/EC; DPD)

This product does not meet the classification criteria given in the Regulation (EC) No 1272/2008 (CLP).

### 2.2 Label elements

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

**Hazard pictograms**

-

**Signal word**

-

**Hazard statements**

-

**Hazard statements (EU)**

EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

**Precautionary statements**

-

**Labelling information**

The labelling (EU hazard statements) meets the criteria of annex II of Directive (EC) Nr. 1272/2008 (CLP).  
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.

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**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 67/548/EEC                      | Classification (EC) 1272/2008 (CLP)                                                                                               | Concentration          | %      |
| 1  | <b>ethanediol</b>                           |                                                |                                                                                                                                   |                        |        |
|    | 107-21-1<br>203-473-3<br>603-027-00-1<br>-  | Xn; R22                                        | Acute Tox. 4*; H302                                                                                                               | 0.00 - 13.00           | %-b.w. |
| 2  | <b>bronopol</b>                             |                                                |                                                                                                                                   |                        |        |
|    | 52-51-7<br>200-143-0<br>603-085-00-8<br>-   | Xn; R21/22<br>Xi; R37/38<br>Xi; R41<br>N; R50  | Acute Tox. 4*; H302<br>Acute Tox. 4*; H312<br>Aquatic Acute 1; H400<br>Eye Dam. 1; H318<br>Skin Irrit. 2; H315<br>STOT SE 3; H335 | < 1.00                 | %-b.w. |
| 3  | <b>1,2-benzisothiazol-3(2H)-one</b>         |                                                |                                                                                                                                   |                        |        |
|    | 2634-33-5<br>220-120-9<br>613-088-00-6<br>- | Xn; R22<br>Xi; R38<br>Xi; R41<br>R43<br>N; R50 | Acute Tox. 4*; H302<br>Aquatic Acute 1; H400<br>Eye Dam. 1; H318<br>Skin Irrit. 2; H315<br>Skin Sens. 1; H317                     | < 0.05                 | %-b.w. |

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

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

| No | Note | Specific concentration limits  | M-factor (acute) | M-factor (chronic) |
|----|------|--------------------------------|------------------|--------------------|
| 2  | -    | -                              | M = 10           | -                  |
| 3  | -    | Skin Sens. 1; H317: C >= 0.05% | -                | -                  |

**3.3 Other information**

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

**SECTION 4: First aid measures****4.1 Description of first aid measures****General information**

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

**After inhalation**

Ensure supply of fresh air.

**After skin contact**

Wash off immediately with soap and water.

**After eye contact**

Remove contact lens. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

**After ingestion**

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

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## 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; Extinguishing powder; 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.

#### 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 picked up, treat material as prescribed under 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 of working area (local exhaust ventilation, if necessary).

#### 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

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 sun.

#### 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 one.

#### Advice on storage assembly

Do not store together with: Bases; Acids; Oxidizing agents

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**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  | ethanediol                                                      | 107-21-1 | 203-473-3                              |
|    | 2000/39/EWG                                                     |          |                                        |
|    | Ethylene glycol                                                 |          |                                        |
|    | STEL                                                            | 104      | mg/m <sup>3</sup> 40 ml/m <sup>3</sup> |
|    | TWA                                                             | 52       | mg/m <sup>3</sup> 20 ml/m <sup>3</sup> |
|    | Skin resorption / sensibilisation                               | Skin     |                                        |
|    | <b>List of approved workplace exposure limits (WELs) / EH40</b> |          |                                        |
|    | Ethane 1,2-diol                                                 |          |                                        |
|    | particulate                                                     |          |                                        |
|    | TWA                                                             | 10       | mg/m <sup>3</sup>                      |
|    | Skin resorption / sensibilisation                               | Sk       |                                        |
|    | <b>List of approved workplace exposure limits (WELs) / EH40</b> |          |                                        |
|    | Ethane 1,2-diol                                                 |          |                                        |
|    | vapour                                                          |          |                                        |
|    | STEL                                                            | 104      | mg/m <sup>3</sup>                      |
|    | TWA                                                             | 52       | mg/m <sup>3</sup>                      |
|    | Skin resorption / sensibilisation                               | 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 (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**

| Form/Colour |
|-------------|
| liquid      |
| various     |

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|                                                  |         |     |    |
|--------------------------------------------------|---------|-----|----|
| <b>Odour</b>                                     |         |     |    |
| No data available                                |         |     |    |
| <b>Odour threshold</b>                           |         |     |    |
| No data available                                |         |     |    |
| <b>pH value</b>                                  |         |     |    |
| Value                                            | 6       | -   | 10 |
| <b>Boiling point / boiling range</b>             |         |     |    |
| Value                                            | appr.   | 100 | °C |
| <b>Melting point / melting range</b>             |         |     |    |
| No data available                                |         |     |    |
| <b>Decomposition point / decomposition range</b> |         |     |    |
| No data available                                |         |     |    |
| <b>Flash point</b>                               |         |     |    |
| No data available                                |         |     |    |
| <b>Auto-ignition temperature</b>                 |         |     |    |
| No data available                                |         |     |    |
| <b>Oxidising properties</b>                      |         |     |    |
| No data available                                |         |     |    |
| <b>Explosive properties</b>                      |         |     |    |
| No data available                                |         |     |    |
| <b>Flammability (solid, gas)</b>                 |         |     |    |
| No data available                                |         |     |    |
| <b>Lower flammability or explosive limits</b>    |         |     |    |
| No data available                                |         |     |    |
| <b>Upper flammability or explosive limits</b>    |         |     |    |
| No data available                                |         |     |    |
| <b>Vapour pressure</b>                           |         |     |    |
| No data available                                |         |     |    |
| <b>Vapour density</b>                            |         |     |    |
| No data available                                |         |     |    |
| <b>Evaporation rate</b>                          |         |     |    |
| No data available                                |         |     |    |
| <b>Relative density</b>                          |         |     |    |
| No data available                                |         |     |    |
| <b>Density</b>                                   |         |     |    |
| No data available                                |         |     |    |
| <b>Solubility in water</b>                       |         |     |    |
| Remarks                                          | soluble |     |    |

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**Solubility(ies)**

No data available

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

No data available

**Viscosity**

No data available

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

No data available.

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

No data available.

**10.2 Chemical stability**

No data available.

**10.3 Possibility of hazardous reactions**

No data available.

**10.4 Conditions to avoid**

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

**10.5 Incompatible materials**

Bases; Acids; Oxidizing agents

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

**SECTION 11: Toxicological information**
**11.1 Information on toxicological effects**
**Acute oral toxicity (result of the ATE calculation for the mixture)**
**No Product Name**
**1 edding Ink contained in: edding 1800**

Remarks

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 &gt; 2000 mg/kg).

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|                                          |
|------------------------------------------|
| <b>Acute oral toxicity</b>               |
| No data available                        |
| <b>Acute dermal toxicity</b>             |
| No data available                        |
| <b>Acute inhalational toxicity</b>       |
| No data available                        |
| <b>Skin corrosion/irritation</b>         |
| No data available                        |
| <b>Serious eye damage/irritation</b>     |
| No data available                        |
| <b>Respiratory or skin sensitisation</b> |
| No data available                        |
| <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                        |

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|                                      |
|--------------------------------------|
| <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 Other adverse effects**

No data available.

**12.7 Other information**

|                                                            |
|------------------------------------------------------------|
| <b>Other information</b>                                   |
| 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**

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

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## SECTION 14: Transport information

### 14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

### 14.2 Transport IMDG

The product is not subject to IMDG regulations.

### 14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

### 14.4 Other information

No data available.

### 14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

### 14.6 Special precautions for user

No data available.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

## SECTION 15: Regulatory information

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

#### EU regulations

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

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

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

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

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

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

#### **Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances**

Remarks

Annex I, part 1 + 2: not mentioned. With regard to possibly appropriate decomposition products see Chapter 10.

### 15.2 Chemical safety assessment

For this mixture a chemical safety assessment has not been carried out.

## SECTION 16: Other information

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

EC Directive 67/548/EC resp. 1999/45/EC as amended in each case.

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

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

|        |                                                |
|--------|------------------------------------------------|
| R21/22 | Harmful in contact with skin and if swallowed. |
| R22    | Harmful if swallowed.                          |
| R37/38 | Irritating to respiratory system and skin.     |
| R38    | Irritating to skin.                            |
| R41    | Risk of serious damage to eyes.                |
| R43    | May cause sensitisation by skin contact.       |
| R50    | Very toxic to aquatic organisms.               |
| H302   | Harmful if swallowed.                          |
| H312   | Harmful in contact with skin.                  |
| H315   | Causes skin irritation.                        |
| H317   | May cause an allergic skin reaction.           |
| H318   | Causes serious eye damage.                     |
| H335   | May cause respiratory irritation.              |
| H400   | Very toxic to aquatic life.                    |

**Department issuing safety data sheet**

UMCO Umwelt Consult GmbH

Georg-Wilhelm-Str. 183 , D-21107 Hamburg

Tel.: +49 40 / 79 02 36 300 Fax: +49 40 / 79 02 36 357 e-mail: [umco@umco.de](mailto:umco@umco.de)

This information is based on our present state of knowledge and experience.

The security data sheet describes products with a view to the security requirements.

However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.