

Trade name: edding text marker ink (light green) contained in: edding 345

Current version : 1.1.0, issued: 01.07.2015

Replaced version: 1.0.0, issued: 13.05.2015

Region: GB

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

1.1 Product identifier

Trade name

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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 drawliners

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 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.

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).

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2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Chemical characterization

aqueous solution of pigments or pigment preparations and additives.

Hazardous ingredients

| No | Substance name | Additional information | |
|----|---|---|--------------------------|
| | CAS / EC / Index / REACH no | Classification (EC) 1272/2008 (CLP) | Concentration |
| | | | % |
| 1 | sodium carbonate | | |
| | 497-19-8 207-838-8 011-005-00-2 01-2119485498-19 | Eye Irrit. 2; H319 | > 1.00 - < 5.00 %-b.w. |
| 2 | trometamol | | |
| | 77-86-1 201-064-4 - - | STOT SE 3; H335 Skin Irrit. 2; H315 Eye Irrit. 2; H319 | > 1.00 - < 5.00 %-b.w. |
| 3 | 1,2-benzisothiazol-3(2H)-one | | |
| | 2634-33-5 220-120-9 613-088-00-6 - | Acute Tox. 4*; H302 Aquatic Acute 1; H400 Eye Dam. 1; H318 Skin Irrit. 2; H315 Skin Sens. 1; H317 | < 0.50 %-b.w. |
| 4 | sucrose | | |
| | 57-50-1 200-334-9 - - | - | > 10.00 - < 30.00 %-b.w. |

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

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

| No | Note | Specific concentration limits | M-factor (acute) | M-factor (chronic) |
|----|------|------------------------------------|------------------|--------------------|
| 3 | - | Skin Sens. 1; H317: C \geq 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 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.

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After ingestion

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

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide; 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 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.

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.

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). Product inherent handling risks must be minimised taking the appropriate measures for protection and preventive actions. The working process should be designed to rule out the release of hazardous substances or skin contact as far it is possible by the state of the art.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work.

Advice on protection against fire and explosion

No special measures necessary.

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.

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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

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 | sucrose | 57-50-1 | 200-334-9 |
| List of approved workplace exposure limits (WELs) / EH40 | | | |
| Sucrose | | | |
| | STEL | 20 | mg/m ³ |
| | TWA | 10 | mg/m ³ |

DNEL and PNEC values

DNEL values (worker)

| No | Substance name | CAS / EC no | | |
|----|-------------------|-----------------------|--------|----------------------|
| | Route of exposure | Exposure time | Effect | Value |
| 1 | sodium carbonate | 497-19-8 207-838-8 | | |
| | inhalative | Long term (chronic) | local | 10 mg/m ³ |

DNEL value (consumer)

| No | Substance name | CAS / EC no | | |
|----|-------------------|-----------------------|--------|----------------------|
| | Route of exposure | Exposure time | Effect | Value |
| 1 | sodium carbonate | 497-19-8 207-838-8 | | |
| | inhalative | Short term (acute) | local | 10 mg/m ³ |

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.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|--|-----------------------|
| Form/Colour | |
| liquid | |
| green | |
| Odour | |
| odourless | |
| Odour threshold | |
| No data available | |
| pH value | |
| Value | 7 - 10 |
| Boiling point / boiling range | |
| Value | 100 °C |
| Melting point / melting range | |
| No data available | |
| Decomposition point / decomposition range | |
| No data available | |
| Flash point | |
| No data available | |
| Auto-ignition temperature | |
| No data available | |
| Oxidising properties | |
| No data available | |
| Explosive properties | |
| No data available | |
| Flammability (solid, gas) | |
| No data available | |
| Lower flammability or explosive limits | |
| No data available | |
| Upper flammability or explosive limits | |
| No data available | |
| Vapour pressure | |
| No data available | |
| Vapour density | |
| No data available | |
| Evaporation rate | |
| No data available | |
| Relative density | |
| No data available | |
| Density | |
| Value | 1.1 g/cm ³ |
| Solubility in water | |
| Remarks | miscible |

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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

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

No data available.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

| Acute oral toxicity | | | |
|-----------------------|--------------------|----------|------------------|
| No | Substance name | CAS no. | EC no. |
| 1 | sodium carbonate | 497-19-8 | 207-838-8 |
| LD50 | | 2800 | mg/kg bodyweight |
| Species | rat | | |
| Source | ECHA | | |
| 2 | trometamol | 77-86-1 | 201-064-4 |
| LD50 | | 5900 | mg/kg bodyweight |
| Species | rat | | |
| Source | Manufacturer | | |
| Acute dermal toxicity | | | |
| No | Substance name | CAS no. | EC no. |
| 1 | sodium carbonate | 497-19-8 | 207-838-8 |
| LD50 | > | 2000 | mg/kg bodyweight |
| Species | rabbit | | |
| Method | EPA 16 CFR 1500.40 | | |
| Source | ECHA | | |

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| Acute inhalational toxicity | | | |
|--|------------------|----------|-----------|
| No data available | | | |
| Skin corrosion/irritation | | | |
| No | Substance name | CAS no. | EC no. |
| 1 | sodium carbonate | 497-19-8 | 207-838-8 |
| Species | rabbit | | |
| Method | OECD 404 | | |
| Source | ECHA | | |
| Evaluation | non-irritant | | |
| Serious eye damage/irritation | | | |
| No | Substance name | CAS no. | EC no. |
| 1 | sodium carbonate | 497-19-8 | 207-838-8 |
| Species | rabbit | | |
| Source | ECHA | | |
| Evaluation | irritant | | |
| Respiratory or skin sensitisation | | | |
| No data available | | | |
| Germ cell mutagenicity | | | |
| No data available | | | |
| Reproduction toxicity | | | |
| No data available | | | |
| Carcinogenicity | | | |
| No data available | | | |
| STOT-single exposure | | | |
| No data available | | | |
| STOT-repeated exposure | | | |
| No data available | | | |
| Aspiration hazard | | | |
| No data available | | | |
| Delayed and immediate effects as well as chronic effects from short and long-term exposure | | | |
| Repeated and prolonged skin contact may cause removal of natural fat from the skin and irritation of the skin. | | | |

SECTION 12: Ecological information

12.1 Toxicity

| Toxicity to fish (acute) | | | |
|---------------------------------|---------------------|----------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | sodium carbonate | 497-19-8 | 207-838-8 |
| LC50 | | 300 | mg/l |
| Duration of exposure | | 96 | h |
| Species | Lepomis macrochirus | | |
| Source | ECHA | | |
| 2 | trometamol | 77-86-1 | 201-064-4 |
| LC50 | > | 10000 | mg/l |
| Duration of exposure | | 96 | h |
| Species | Leuciscus idus | | |
| Source | Manufacturer | | |

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

| Toxicity to Daphnia (acute) | | | |
|-----------------------------|-------------------|----------|------------|
| No | Substance name | CAS no. | EC no. |
| 1 | sodium carbonate | 497-19-8 | 207-838-8 |
| EC50 | | 200 | - 227 mg/l |
| Duration of exposure | | | 48 h |
| Species | Ceriodaphnia spec | | |
| 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

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

| 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

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.

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

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:

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 H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

| | |
|------|--------------------------------------|
| H302 | Harmful if swallowed. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H400 | Very toxic to aquatic life. |

Department issuing safety data sheet

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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.

Alterations/supplements:

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

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