

**Trade name:** Textile marker ink (light orange) contained in: edding 4500, edding 4600

**Current version :** 2.0.0, issued: 26.11.2019

**Replaced version:** 1.0.1, issued: 18.01.2017

**Region:** GB

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

### 1.1 Product identifier

**Trade name**

**Textile marker ink (light orange) contained in: edding 4500, edding 4600**

### 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)**

Aquatic Chronic 2; H411

Skin Sens. 1A; H317

**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



GHS09

**Signal word**

Warning

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

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)

**Hazard statement(s)**

H317

May cause an allergic skin reaction.

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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.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P391 Collect spillage.

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  | reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) |                                     |                        |         |
| -  |  | Acute Tox. 2; H310                  | <= 0.025 - < 0.06      | % -b.w. |
| -  |  | Acute Tox. 2; H330                  |                        |         |
| -  |  | Acute Tox. 3; H301                  |                        |         |
| -  |  | Aquatic Acute 1; H400               |                        |         |
| -  |  | Aquatic Chronic 1; H410             |                        |         |
|    |  | EUH071                              |                        |         |
|    |  | Eye Dam. 1; H318                    |                        |         |
|    |  | Skin Corr. 1C; H314                 |                        |         |
|    |  | Skin Sens. 1A; H317                 |                        |         |

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  | B    | Skin Sens. 1A; H317: C >= 0.0015%<br>Eye Irrit. 2; H319: C >= 0.06%<br>Skin Irrit. 2; H315: C >= 0.06%<br>Skin Corr. 1C; H314: C >= 0.6%<br>Eye Dam. 1; H318: C >= 0.6% | M = 100          | M = 100            |

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

**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**

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

**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; Extinguishing powder; Alcohol-resistant foam; 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). 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.

**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. 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.

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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.

**7.3 Specific end use(s)**

No data available.

## SECTION 8: Exposure controls/personal protection

**8.1 Control parameters**

No parameters available for monitoring.

**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>Form/Colour</b>                               |    |    |
| liquid   |    |    |
| Pale orange                                      |    |    |
| <b>Odour</b>                                     |    |    |
| characteristic                                   |    |    |
| <b>Odour threshold</b>                           |    |    |
| No data available                                |    |    |
| <b>pH value</b>                                  |    |    |
| Value  | 8  |    |
| Reference temperature                            | 20 | °C |
| <b>Boiling point / boiling range</b>             |    |    |
| Value  | 82 | °C |
| <b>Melting point / melting range</b>             |    |    |
| No data available                                |    |    |
| <b>Decomposition point / decomposition range</b> |    |    |
| No data available                                |    |    |
| <b>Flash point</b>                               |    |    |

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|   |                              |                   |
|---|------------------------------|-------------------|
| No data available                             |                              |                   |
| <b>Ignition temperature</b>                   |                              |                   |
| Value   | 400                          | °C                |
| <b>Auto-ignition temperature</b>              |                              |                   |
| Comments                                      | Product is not selfigniting. |                   |
| <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> |                              |                   |
| Value   | 0.9                          | % vol             |
| <b>Upper flammability or explosive limits</b> |                              |                   |
| No data available                             |                              |                   |
| <b>Vapour pressure</b>                        |                              |                   |
| Value   | 23                           | hPa               |
| Reference temperature                         | 20                           | °C                |
| <b>Vapour density</b>                         |                              |                   |
| No data available                             |                              |                   |
| <b>Evaporation rate</b>                       |                              |                   |
| No data available                             |                              |                   |
| <b>Relative density</b>                       |                              |                   |
| No data available                             |                              |                   |
| <b>Density</b>                                |                              |                   |
| Value   | 1.05                         | g/cm <sup>3</sup> |
| Reference temperature                         | 20                           | °C                |
| <b>Solubility in water</b>                    |                              |                   |
| Comments                                      | Completely miscible          |                   |
| <b>Solubility(ies)</b>                        |                              |                   |
| No data available                             |                              |                   |
| <b>Partition coefficient: n-octanol/water</b> |                              |                   |
| No data available                             |                              |                   |
| <b>Viscosity</b>                              |                              |                   |
| Value   | 5                            | mPa*s             |
| Reference temperature                         | 20                           | °C                |
| <b>Solids content</b>                         |                              |                   |
| Value   | 0.2                          | %                 |

## 9.2 Other information

|                          |
|--------------------------|
| <b>Other information</b> |
| 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).

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- 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**  
None, if handled according to intended use.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

|  |                   |
|--|-------------------|
| <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 |

## 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 |

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|                                  |
|----------------------------------|
| <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.

## SECTION 14: Transport information

### 14.1 Transport ADR/RID/ADN

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

### 14.2 Transport IMDG

The product is not subject to IMDG regulations.

### 14.3 Transport ICAO-TI / IATA

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

### 14.4 Other information

No data available.

### 14.5 Environmental hazards

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

### 14.6 Special precautions for user

No data available.

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant

## SECTION 15: Regulatory information

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

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### EU regulations

|  |      |
|--|------|
| <b>Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)</b>  |      |
| 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.   |      |
| <b>REACH candidate list of substances of very high concern (SVHC) for authorisation</b>  |      |
| 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. |      |
| <b>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</b>  |      |
| The product is considered being subject to REACH regulation (EC) 1907/2006 annexe XVII.  | No 3 |
| <b>Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances</b>  |      |
| This product is subject to Part I of Annex I, risk category:   | E2   |

### 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.

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

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

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

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

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

|        |   |
|--------|---|
| EUH071 | Corrosive to the respiratory tract.                   |
| H301   | Toxic if swallowed.                                   |
| H310   | Fatal in contact with skin.                           |
| H314   | Causes severe skin burns and eye damage.              |
| H318   | Causes serious eye damage.                            |
| H330   | Fatal if inhaled.                                     |
| H400   | Very toxic to aquatic life.                           |
| H410   | Very toxic to aquatic life with long lasting effects. |

#### Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)

|   |   |
|---|---|
| B | Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis. |
|---|---|

#### Department issuing safety data sheet

UMCO GmbH

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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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Alterations/supplements:

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