

**Trade name:** edding refill ink text marker HTK25 (red) contained in: edding 344, edding 345

**Current version :** 7.0.0, issued: 02.04.2024

**Replaced version:** 6.0.0, issued: 08.06.2022

**Region:** GB

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

### 1.1 Product identifier

**Trade name**

**edding refill ink text marker HTK25 (red) contained in: edding 344, edding 345**

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

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

Ink for highlighters

**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**

Classification and labelling with respect to acute oral toxicity are based on toxicological studies performed on the product (mixture).

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 statement(s)**

-

**Hazard statements (EU)**

EUH208

Contains 9-[2-(ethoxycarbonyl)phenyl]-3,6-bis(ethylamino)-2,7 dimethylxanthylium chloride  
C.I. Basic Red 1. May produce an allergic reaction.

**Precautionary statement(s)**

-

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**Labelling information**

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

**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  | 9-[2-(ethoxycarbonyl)phenyl]-3,6-bis(ethylamino)-2,7-dimethylxanthylium chloride C.I. Basic Red 1 |                                                                                                                   |               |
|    | 989-38-8<br>213-584-9<br>-<br>01-2120770484-49                                                    | Acute Tox. 3; H301<br>Aquatic Acute 1; H400<br>Eye Dam. 1; H318<br>Aquatic Chronic 1; H410<br>Skin Sens. 1B; H317 | < 0.50<br>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  | -    | -                             | M = 1            | M = 1              |

**Acute toxicity estimate (ATE) values**

| No | oral                 | dermal | inhalative |
|----|----------------------|--------|------------|
| 1  | 250 mg/kg bodyweight |        |            |

**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.

**After ingestion**

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.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media**

Carbon dioxide; Foam; Dry chemical extinguisher; Water spray jet

**Unsuitable extinguishing media**

No data available.

### 5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO); The product is not flammable.

### 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**

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. Keep from freezing. Protect from sun.

**Recommended storage temperature**

|       |      |    |    |
|-------|------|----|----|
| Value | max. | 40 | °C |
|-------|------|----|----|

**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.

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## 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 (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

red

#### Odour

almost odourless

#### pH value

No data available

#### Boiling point / boiling range

|        |              |
|--------|--------------|
| Value  | > 100 °C     |
| Source | manufacturer |

#### Melting point/freezing point

No data available

#### Decomposition temperature

No data available

#### Flash point

|        |              |
|--------|--------------|
| Value  | > 100 °C     |
| Source | manufacturer |

#### Ignition temperature

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

**Explosive properties**

|                                                 |
|-------------------------------------------------|
| The product does not have explosive properties. |
|-------------------------------------------------|

**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  | 1.0 - 1.1    | g/cm <sup>3</sup> |
| Source | manufacturer |                   |

**Solubility in water**

|          |          |
|----------|----------|
| Comments | miscible |
|----------|----------|

**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.

**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 data available.

**SECTION 11: Toxicological information**

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

| Acute oral toxicity               |                                                                                |      |       |
|-----------------------------------|--------------------------------------------------------------------------------|------|-------|
| No                                | Product Name                                                                   |      |       |
| 1                                 | edding refill ink text marker HTK25 (red) contained in: edding 344, edding 345 |      |       |
| LD50                              | >                                                                              | 2000 | mg/kg |
| Species                           | rat                                                                            |      |       |
| Source                            | manufacturer                                                                   |      |       |
| Acute dermal toxicity             |                                                                                |      |       |
| No data available                 |                                                                                |      |       |
| 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                 |                                                                                |      |       |
| 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                 |                                                                                |      |       |

### 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                          | Substance name                                                                                    | CAS no.  | EC no.    |
| 1                           | 9-[2-(ethoxycarbonyl)phenyl]-3,6-bis(ethylamino)-2,7-dimethylxanthylium chloride C.I. Basic Red 1 | 989-38-8 | 213-584-9 |
| EC50                        |                                                                                                   | 0.16     | mg/l      |
| Duration of exposure        |                                                                                                   | 48       | h         |
| Species                     | Daphnia magna                                                                                     |          |           |

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|        |      |
|--------|------|
| Source | ECHA |
|--------|------|

**Toxicity to Daphnia (chronic)**

No data available

**Toxicity to algae (acute)**

| No                   | Substance name                                                                                    | CAS no.  | EC no.    |
|----------------------|---------------------------------------------------------------------------------------------------|----------|-----------|
| 1                    | 9-[2-(ethoxycarbonyl)phenyl]-3,6-bis(ethylamino)-2,7 dimethylxanthylium chloride C.I. Basic Red 1 | 989-38-8 | 213-584-9 |
| EC50                 |                                                                                                   | 0.023    | mg/l      |
| Duration of exposure |                                                                                                   | 72       | h         |
| Species              | Pseudokirchneriella subcapitata                                                                   |          |           |
| 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                | 9-[2-(ethoxycarbonyl)phenyl]-3,6-bis(ethylamino)-2,7 dimethylxanthylium chloride C.I. Basic Red 1 | 989-38-8 | 213-584-9 |
| Source           | ECHA                                                                                              |          |           |
| Evaluation       | not 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 UN number or ID number**

Not classified as dangerous in the meaning of transport regulations.

**14.2 UN proper shipping name**

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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 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  | 9-[2-(ethoxycarbonyl)phenyl]-3,6-bis(ethylamino)-2,7 dimethylxanthylum chloride C.I. Basic Red 1 | 989-38-8 | 213-584-9 | 75 |

##### **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)**

|      |                                                       |
|------|-------------------------------------------------------|
| H301 | Toxic if swallowed.                                   |
| H317 | May cause an allergic skin reaction.                  |
| H318 | Causes serious eye damage.                            |
| H400 | Very toxic to aquatic life.                           |
| H410 | Very toxic to aquatic life with long lasting effects. |

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**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.

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