

Trade name: Paint Marker Ink (red)

Version: 1.0.0 / GB

Status: 22.09.2008

## 1.) Identification of the substance/preparation and of the company/undertaking

### Identification of the substance or preparation

Trade name

**Paint Marker Ink (red)**

**contained in: edding 750, edding 751, edding 780 paint marker**

Use of the substance/preparation

Ink for use in drawliners

### Company/undertaking identification

Address

edding Aktiengesellschaft

Bookkoppel 7

D-22926 Ahrensburg

Telephone no. +49 (0) 41 02 / 80 8-0

Information provided by / telephone

+49 (0)4102 - 808-0

Emergency telephone

+49 (0)30 192 40 (Toxic Substance Emergency Call Centre Berlin)

Advice on Safety Data Sheet

sdb\_info@umco.de

## 2.) Hazards identification

### Classification

F; R11

Highly flammable

R67

Vapours may cause drowsiness and dizziness.

R66

Repeated exposure may cause skin dryness or cracking.

### Hazard symbols

F

Highly flammable

### R phrases

11

Highly flammable.

66

Repeated exposure may cause skin dryness or cracking.

67

Vapours may cause drowsiness and dizziness.

## 3.) Composition / information on ingredients

### Chemical characterization

Mixture (preparation)

### Hazardous ingredients

#### ETHYLCYCLOHEXANE

EC no.

216-835-0

Index no.

-

CAS no.

1678-91-7

Concentration

> 20

< 40

%-b.w.

Classification

F; R11 Xn; R65

Hazard symbols

F, Xn

R phrases

11-65

#### TITANIUM DIOXIDE

EC no.

236-675-5

Index no.

-

CAS no.

13463-67-7

Concentration

> 10

< 30

%-b.w.

Classification

-

Hazard symbols

-

R phrases

-

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**NAPHTHA (PETROLEUM), HYDROTREATED HEAVY**

|                |           |           |              |         |            |
|----------------|-----------|-----------|--------------|---------|------------|
| EC no.         | 265-150-3 | Index no. | 649-327-00-6 | CAS no. | 64742-48-9 |
| Concentration  | > 10      | < 30      | %-b.w.       |         |            |
| Classification | F; R11    | Xn; R65   | R67          | R66     |            |
| Hazard symbols | F, Xn     | R phrases | 11-65-66-67  |         |            |

**Other information (chapter 3.)**

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

**4.) 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**

Separate eyelids, wash the eyes thoroughly with water (15 min.).

**After ingestion**

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

**5.) Fire-fighting measures****Suitable extinguishing media**

Foam; extinguishing powder; Carbon dioxide

**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**

In the event of fire, the following can be released:

Carbon dioxide (CO<sub>2</sub>)

Carbon monoxide (CO)

**Special protective equipment for fire-fighters**

Use self-contained breathing apparatus. Wear protective clothing.

**Other information**

Cool endangered containers with water spray jet. Suppress gases/vapours/mists with water spray jet.

**6.) Accidental release measures****Personal precautions**

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Keep away sources of ignition.

**Environmental precautions**

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

**Methods for cleaning up/taking up**

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When picked up, treat material as prescribed under heading "Disposal considerations".

**7.) Handling and storage****Handling****Advice on safe handling**

Provide good ventilation of working area (local exhaust ventilation, if necessary). Product inherent

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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.

## Advice on protection against fire and explosion

Vapours can form an explosive mixture with air. Take precautionary measures against static charges. Keep away from sources of heat and ignition. Use explosion-proof equipment/fittings and non-sparking tools.

## Storage

### Requirements for storage rooms and vessels

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Always keep in containers of same material as the original one.

### Advice on storage assembly

None known

### Further information on storage conditions

Keep container tightly closed in a cool, well-ventilated place. Protect from heat and direct sunlight.

## 8.) Exposure controls / personal protection

### Exposure limit values

#### TITANIUM DIOXIDE

CAS no. 13463-67-7

EC no. 236-675-5

#### Occupational Exposure Standards (OESs) / EH40

Titanium dioxide  
total inhalable dust

TWA 10 mg/m<sup>3</sup>

#### Occupational Exposure Standards (OESs) / EH40

Titanium dioxide  
respirable dust

TWA 4 mg/m<sup>3</sup>

### 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.

#### 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 glove 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.

#### Eye protection

Safety glasses with side protection shield (EN 166)

#### Skin protection

Clothing as usual in the chemical industry.

#### 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. Have eye wash fountain available. Have emergency shower available.

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**9.) Physical and chemical properties****General information**

|        |          |
|--------|----------|
| Form   | liquid   |
| Colour | red      |
| Odour  | aromatic |

**Important health, safety and environmental information****Changes in physical state**

|       |               |     |    |
|-------|---------------|-----|----|
| Type  | Boiling point |     |    |
| Value |               | 116 | °C |

**Flash point**

|       |   |    |
|-------|---|----|
| Value | 7 | °C |
|-------|---|----|

**Ignition temperature**

|       |     |       |    |
|-------|-----|-------|----|
| Value | 200 | - 262 | °C |
|-------|-----|-------|----|

**Explosion limits**

|                       |      |       |
|-----------------------|------|-------|
| Upper explosion limit | 8,40 | % vol |
| Lower explosion limit | 0,90 | % vol |

**Vapour pressure**

|                       |    |       |
|-----------------------|----|-------|
| Value                 | 10 | mm Hg |
| Reference temperature | 28 | °C    |

**Density**

|                       |      |                   |
|-----------------------|------|-------------------|
| Value                 | 0,96 | g/cm <sup>3</sup> |
| Reference temperature | 20   | °C                |

**Viscosity**

|       |         |       |  |
|-------|---------|-------|--|
| Type  | dynamic |       |  |
| Value | 2200    | mPa*s |  |

**Solubility in water**

|         |           |
|---------|-----------|
| Remarks | insoluble |
|---------|-----------|

**10.) Stability and reactivity****Conditions to avoid**

Heat

**Materials to avoid**

None known.

**Hazardous decomposition products**

No hazardous decomposition products known.

**11.) Toxicological information****Experience in practice**

Inhalation of vapours may lead to headache, drowsiness and dizziness.

Repeated and prolonged skin contact may cause removal of natural fat from the skin and irritation of the skin.

Eye contact with the product may lead to irritation.

**Other information (chapter 11.)**

Product specific toxicological data are not known.

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## 12.) Ecological information

### Other adverse effects

Ecological data are not available.

Do not discharge product unmonitored into the environment.

## 13.) Disposal considerations

### 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.

## 14.) Transport information

### Land transport ADR/RID

|                       |       |                     |    |
|-----------------------|-------|---------------------|----|
| Class                 | 3     | Classification code | F1 |
| Packaging group       | II    |                     |    |
| Hazard id. no.        | 33    |                     |    |
| Label                 | 3     |                     |    |
| UN number             | 1263  |                     |    |
| Technical name        | Paint |                     |    |
| Special Provision 640 | D     |                     |    |

### Marine transport IMDG

|                      |         |
|----------------------|---------|
| Class                | 3       |
| Packaging group      | II      |
| UN number            | 1263    |
| Proper shipping name | Paint   |
| EmS                  | F-E,S-E |
| MARPOL               | -       |
| Label                | 3       |

### Air transport ICAO/IATA

|                      |       |
|----------------------|-------|
| Class                | 3     |
| Packaging group      | II    |
| UN number            | 1263  |
| Proper shipping name | Paint |
| Label                | 3     |

## 15.) Regulatory information

### Labelling in accordance with EC directives

The product is classified and labelled in accordance with EC Directive 1999/45/EC.

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

### Hazard symbols

F Highly flammable

### R phrases

11 Highly flammable.  
66 Repeated exposure may cause skin dryness or cracking.  
67 Vapours may cause drowsiness and dizziness.

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**S phrases**

- |    |                          |
|----|--------------------------|
| 24 | Avoid contact with skin. |
| 37 | Wear suitable gloves.    |

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

|         |                               |
|---------|-------------------------------|
| Remarks | Annex I, part 2, category 7 b |
|---------|-------------------------------|

**16.) Other information****Sources of key data used to compile the data sheet:**

EC Directive 67/548/EC resp. 99/45/EC as amended in each case.  
Regulation (EC) No 1907/2006 (REACH) as amended in each case.  
EC Directives 2000/39/EC, 2006/15/EC as amended in each case.  
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.

**Relevant R-phrases (chapter 3):**

- |    |                                                       |
|----|-------------------------------------------------------|
| 11 | Highly flammable.                                     |
| 65 | Harmful: may cause lung damage if swallowed.          |
| 66 | Repeated exposure may cause skin dryness or cracking. |
| 67 | Vapours may cause drowsiness and dizziness.           |

**Department issuing safety data sheet**

UMCO Umwelt Consult GmbH  
Georg-Wilhelm-Str. 183 b, D-21107 Hamburg  
Tel.: +49 40 / 41 92 13 00 Fax: +49 40 / 41 92 13 57 e-mail: umco@umco.de

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.