

**Trade name:** edding 7700 Correction Pen (3457049)**Current version :** 4.0.0, issued: 19.04.2018**Replaced version:** 3.2.0, issued: 20.05.2016**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****edding 7700 Correction Pen (3457049)****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Correction fluid

**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

Eye Irrit. 2; H319

Flam. Liq. 2; H225

Skin Irrit. 2; H315

Skin Sens. 1; H317

STOT SE 3; H336

**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**

GHS02



GHS07



GHS09

**Signal word**

Danger

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**Hazardous component(s) to be indicated on label:**methylcyclohexane  
isobutyl methacrylate**Hazard statement(s)**

H225 Highly flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H336 May cause drowsiness or dizziness.  
 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.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P370+P378 In case of fire: Use water spray, extinguishing powder, foam or CO2 to extinguish.  
 P405 Store locked up.  
 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  | <b>titanium-dioxide</b>                    |   |                          |
|    | 13463-67-7<br>236-675-5<br>-<br>-          | -   | >= 50.00 - < 60.00 %b.w. |
| 2  | <b>methylcyclohexane</b>                   |   |                          |
|    | 108-87-2<br>203-624-3<br>601-018-00-7<br>- | Aquatic Chronic 2; H411<br>Asp. Tox. 1; H304<br>Flam. Liq. 2; H225<br>Skin Irrit. 2; H315<br>STOT SE 3; H336                      | >= 40.00 - < 50.00 %b.w. |
| 3  | <b>isobutyl methacrylate</b>               |   |                          |
|    | 97-86-9<br>202-613-0<br>607-113-00-X<br>-  | Aquatic Acute 1; H400<br>Eye Irrit. 2; H319<br>Flam. Liq. 3; H226<br>Skin Irrit. 2; H315<br>Skin Sens. 1; H317<br>STOT SE 3; H335 | >= 5.00 - < 10.00 %b.w.  |

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

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| No | Note | Specific concentration limits | M-factor (acute) | M-factor (chronic) |
|----|------|-------------------------------|------------------|--------------------|
| 3  | D    | -                             | -                | -                  |

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)".

### 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

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

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

Do not induce vomiting - aspiration hazard. 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

Foam; Extinguishing powder; Carbon dioxide; 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 (CO<sub>2</sub>); Carbon monoxide (CO)

### 5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Cool endangered containers with water spray jet. Suppress gases/vapours/mists with water spray jet.

## 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. Keep away sources of ignition.

#### 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.

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**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 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. Do not inhale vapours. Provide eye wash fountain in work area. Have emergency shower available.

**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.

**7.2 Conditions for safe storage, including any incompatibilities****Technical measures and storage conditions**

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

**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: Oxidizing agents

**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   | titanium-dioxide     | 13463-67-7 | 236-675-5         |
| <b>List of approved workplace exposure limits (WELs) / EH40</b> |                      |            |                   |
|   | Titanium dioxide     |            |                   |
|   | total inhalable dust |            |                   |
|   | TWA                  | 10         | mg/m <sup>3</sup> |
| <b>List of approved workplace exposure limits (WELs) / EH40</b> |                      |            |                   |
|   | Titanium dioxide     |            |                   |
|   | respirable dust      |            |                   |
|   | TWA                  | 4          | mg/m <sup>3</sup> |

**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.

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**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   |            |       |       |
| white  |            |       |       |
| <b>Odour</b>                                     |            |       |       |
| characteristic                                   |            |       |       |
| <b>Odour threshold</b>                           |            |       |       |
| No data available                                |            |       |       |
| <b>pH value</b>                                  |            |       |       |
| No data available                                |            |       |       |
| <b>Boiling point / boiling range</b>             |            |       |       |
| Value  | 99         | - 102 | °C    |
| <b>Melting point / melting range</b>             |            |       |       |
| Value  |            | -126  | °C    |
| <b>Decomposition point / decomposition range</b> |            |       |       |
| Value  | >          | 500   | °C    |
| <b>Flash point</b>                               |            |       |       |
| Value  |            | -2.5  | °C    |
| Method   | closed cup |       |       |
| <b>Auto-ignition temperature</b>                 |            |       |       |
| Value  |            | 260   | °C    |
| <b>Oxidising properties</b>                      |            |       |       |
| No data available                                |            |       |       |
| <b>Explosive properties</b>                      |            |       |       |
| Product does not present an explosion hazard.    |            |       |       |
| <b>Flammability (solid, gas)</b>                 |            |       |       |
| No data available                                |            |       |       |
| <b>Lower flammability or explosive limits</b>    |            |       |       |
| Value  |            | 1.1   | % vol |
| <b>Upper flammability or explosive limits</b>    |            |       |       |
| Value  |            | 7.2   | % vol |
| <b>Vapour pressure</b>                           |            |       |       |
| Value  |            | 1.6   | kPa   |

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|   |                         |                    |
|---|-------------------------|--------------------|
| <b>Vapour density</b>                         |                         |                    |
| Value   | > 3                     |                    |
| Remarks                                       | Air = 1                 |                    |
| <b>Evaporation rate</b>                       |                         |                    |
| No data available                             |                         |                    |
| <b>Relative density</b>                       |                         |                    |
| No data available                             |                         |                    |
| <b>Density</b>                                |                         |                    |
| Value   | > 1.1 g/cm <sup>3</sup> |                    |
| <b>Solubility in water</b>                    |                         |                    |
| Remarks                                       | immiscible              |                    |
| <b>Solubility(ies)</b>                        |                         |                    |
| No data available                             |                         |                    |
| <b>Soluble in</b>                             |                         |                    |
| hydrocarbons                                  |                         |                    |
| <b>Partition coefficient: n-octanol/water</b> |                         |                    |
| No data available                             |                         |                    |
| <b>Viscosity</b>                              |                         |                    |
| Value   | 28                      | mm <sup>2</sup> /s |
| Reference temperature                         | 40                      | °C                 |

**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).

**10.3 Possibility of hazardous reactions**

No data available.

**10.4 Conditions to avoid**

Heat, naked flames and other ignition sources.

**10.5 Incompatible materials**

Oxidizing agents; Alkalis; Acids

**10.6 Hazardous decomposition products**

Toxic gases/vapours

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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  |
| <b>Delayed and immediate effects as well as chronic effects from short and long-term exposure</b>  |
| 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. |

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## 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 data available           |

| 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**

|  |                            |
|--|----------------------------|
| Class                                    | 3                          |
| Classification code                      | F1                         |
| Packing group                            | II                         |
| Hazard identification no.                | 33                         |
| UN number                                | UN2296                     |
| Proper shipping name                     | METHYLCYCLOHEXANE solution |
| Tunnel restriction code                  | D/E                        |
| Label                                    | 3                          |
| Environmentally hazardous substance mark | Symbol "fish and tree"     |

**14.2 Transport IMDG**

|                       |                            |
|-----------------------|----------------------------|
| Class                 | 3                          |
| Packing group         | II                         |
| UN number             | UN2296                     |
| Proper shipping name  | METHYLCYCLOHEXANE Solution |
| EmS                   | F-E, S-D                   |
| Label                 | 3                          |
| Marine pollutant mark | Symbol "fish and tree"     |

**14.3 Transport ICAO-TI / IATA**

|  |                            |
|--|----------------------------|
| Class                                    | 3                          |
| Packing group                            | II                         |
| UN number                                | UN2296                     |
| Proper shipping name                     | Methylcyclohexane Solution |
| Label                                    | 3                          |
| Environmentally hazardous substance mark | Symbol "fish and tree"     |

**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**  
**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**

The product is considered being subject to REACH regulation (EC) 1907/2006 annexe XVII.

No 3, 40

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This product is subject to Part I of Annex I, risk category:

E2, P5b

If the properties of the substance/product give rise to more than one classification, for the purposes of 2012/18/UE, the lowest qualifying quantities set out in Part 1 and Part 2 of Annex I shall apply.

**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)**

|      |   |
|------|---|
| H226 | Flammable liquid and vapour.                  |
| H304 | May be fatal if swallowed and enters airways. |
| H335 | May cause respiratory irritation.             |
| H400 | Very toxic to aquatic life.                   |

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

|   |  |
|---|--|
| D | Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words 'non-stabilised'. |
|---|--|

**Department issuing 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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