

**Trade name:** edding Flipchart Marker Ink (black, green) contained in: edding 31, edding 32

**Current version :** 2.2.0, issued: 02.03.2015

**Replaced version:** 2.1.0, issued: 27.02.2015

**Region:** GB

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

### 1.1 Product identifier

**Trade name**

**edding Flipchart Marker Ink (black, green) contained in: edding 31, edding 32**

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

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

Refilling ink

### 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)**

Skin Sens. 1; H317

STOT RE 2; H373

**Classification in accordance with Directive 67/548/EEC or 1999/45/EC**

R43

### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)**

**Hazard pictograms**



GHS07



GHS08

**Signal word**

Warning

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

diethylene glycol

Trisodium 5-hydroxy-1-(4-sulphophenyl)-4-(4-sulphophenylazo)pyrazole-3-carboxylate

**Hazard statements**

H317

May cause an allergic skin reaction.

H373

May cause damage to organs through prolonged or repeated exposure

**Hazard statements (EU)**

EUH208

Contains 5-Chlor-2-methyl-2,3-dihydroisothiazol-3-one and 2-Methyl-2,3-dihydroisothiazol-3-one (3:1). May produce an allergic reaction.

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**Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P260 Do not breathe vapour.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P501 Dispose of contents/container 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 67/548/EEC                     | Classification (EC) 1272/2008 (CLP)                                                                                                                                | Concentration          | %      |
| 1  | <b>diethylene glycol</b>                                                                            |                                               |                                                                                                                                                                    |                        |        |
|    | 111-46-6<br>203-872-2<br>603-140-00-6<br>01-2119457857-21                                           | Xn; R22                                       | Acute Tox. 4; H302<br>STOT RE 2; H373o                                                                                                                             | > 10.00 - < 30.00      | %-b.w. |
| 2  | <b>Trisodium 5-hydroxy-1-(4-sulphophenyl)-4-(4-sulphophenylazo)pyrazole-3-carboxylate</b>           |                                               |                                                                                                                                                                    |                        |        |
|    | 1934-21-0<br>217-699-5<br>-<br>-                                                                    | R43                                           | Skin Sens. 1; H317                                                                                                                                                 | > 1.00 - < 5.00        | %-b.w. |
| 3  | <b>bronopol</b>                                                                                     |                                               |                                                                                                                                                                    |                        |        |
|    | 52-51-7<br>200-143-0<br>603-085-00-8<br>-                                                           | Xn; R21/22<br>Xi; R37/38<br>Xi; R41<br>N; R50 | Acute Tox. 4*; H302<br>Acute Tox. 4*; H312<br>Aquatic Acute 1; H400<br>Eye Dam. 1; H318<br>Skin Irrit. 2; H315<br>STOT SE 3; H335                                  | < 0.50                 | %-b.w. |
| 4  | <b>5-Chlor-2-methyl-2,3-dihydroisothiazol-3-one and 2-Methyl-2,3-dihydro isothiazol-3-one (3:1)</b> |                                               |                                                                                                                                                                    |                        |        |
|    | 55965-84-9<br>-<br>613-167-00-5<br>-                                                                | T; R23/24/25<br>C; R34<br>R43<br>N; R50/53    | Acute Tox. 3*; H301<br>Acute Tox. 3*; H311<br>Acute Tox. 3*; H331<br>Aquatic Acute 1; H400<br>Aquatic Chronic 1; H410<br>Skin Corr. 1B; H314<br>Skin Sens. 1; H317 | < 0.06                 | %-b.w. |

Full Text for all R-phrases, 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  | -    | -                                                                                                                                       | M = 10           | -                  |
| 4  | -    | Skin Sens. 1; H317: C >= 0.0015%<br>Eye Irrit. 2; H319: C >= 0.06%<br>Skin Irrit. 2; H315: C >= 0.06%<br>Skin Corr. 1B; H314: C >= 0.6% | -                | -                  |

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| No | Route, target organ, concrete effect |
|----|--------------------------------------|
| 1  | H373<br>oral; kidney; -              |

### 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 lens. 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 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; Carbon dioxide; Extinguishing powder; 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.

#### 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 picked up, treat material as prescribed under heading "Disposal considerations".

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**Current version :** 2.2.0, issued: 02.03.2015

**Replaced version:** 2.1.0, issued: 27.02.2015

**Region:** GB

## 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).

#### 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.

#### Requirements for storage rooms and vessels

Store product in closed containers.

#### Advice on storage assembly

Do not store together with: Oxidizing agents; Acids

### 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                                                               | diethylene glycol | 111-46-6 | 203-872-2                              |
| <b>List of approved workplace exposure limits (WELs) / EH40</b> |                   |          |                                        |
|                                                                 | 2,2'-Oxydiethanol |          |                                        |
|                                                                 | TWA               | 101      | mg/m <sup>3</sup> 23 ml/m <sup>3</sup> |

#### DNEL and PNEC values

##### DNEL values (worker)

| DNEL values (Worker) |                   |                     |          |                       |           |
|----------------------|-------------------|---------------------|----------|-----------------------|-----------|
| No                   | Substance name    |                     |          | CAS / EC no           |           |
|                      | Route of exposure | Exposure time       | Effect   | Value                 |           |
| 1                    | diethylene glycol |                     |          | 111-46-6<br>203-872-2 |           |
|                      | dermal            | Long term (chronic) | systemic | 106                   | mg/kg/day |
|                      | inhalative        | Long term (chronic) | local    | 60                    | mg/m³     |

##### DNEL value (consumer)

| No | Substance name    |                     |          | CAS / EC no           |           |
|----|-------------------|---------------------|----------|-----------------------|-----------|
|    | Route of exposure | Exposure time       | Effect   | Value                 |           |
| 1  | diethylene glycol |                     |          | 111-46-6<br>203-872-2 |           |
|    | dermal            | Long term (chronic) | systemic | 53                    | mg/kg/day |
|    | inhalative        | Long term (chronic) | local    | 12                    | mg/m³     |

**Trade name:** edding Flipchart Marker Ink (black, green) contained in: edding 31, edding 32

**Current version :** 2.2.0, issued: 02.03.2015

**Replaced version:** 2.1.0, issued: 27.02.2015

**Region:** GB

#### PNEC values

| No | Substance name         | CAS / EC no           |
|----|------------------------|-----------------------|
|    | ecological compartment | Type                  |
|    |                        | Value                 |
| 1  | diethylene glycol      | 111-46-6<br>203-872-2 |
|    | water                  | fresh water           |
|    | water                  | marine water          |
|    | water                  | fresh water sediment  |
|    | water                  | marine water sediment |
|    | water                  | Aqua intermittent     |
|    | soil                   | -                     |
|    | sewage treatment plant | -                     |
|    |                        | 10 mg/l               |
|    |                        | 1 mg/l                |
|    |                        | 20.9 mg/kg dry weight |
|    |                        | 2.09 mg/kg dry weight |
|    |                        | 10 mg/l               |
|    |                        | 1.53 mg/kg dry weight |
|    |                        | 199.5 mg/l            |

## 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

In case of intensive contact, wear protective gloves (EN 374). 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

| Form/Colour |
|-------------|
| liquid      |
| black       |
| Odour       |
| odourless   |

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|                                                  |                   |              |           |
|--------------------------------------------------|-------------------|--------------|-----------|
| <b>Odour threshold</b>                           |                   |              |           |
| No data available                                |                   |              |           |
| <b>pH value</b>                                  |                   |              |           |
| No data available                                |                   |              |           |
| <b>Boiling point / boiling range</b>             |                   |              |           |
| No data available                                |                   |              |           |
| <b>Melting point / melting range</b>             |                   |              |           |
| No data available                                |                   |              |           |
| <b>Decomposition point / decomposition range</b> |                   |              |           |
| No data available                                |                   |              |           |
| <b>Flash point</b>                               |                   |              |           |
| no data available                                |                   |              |           |
| <b>Auto-ignition temperature</b>                 |                   |              |           |
| No data available                                |                   |              |           |
| <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>    |                   |              |           |
| No data available                                |                   |              |           |
| <b>Upper flammability or explosive limits</b>    |                   |              |           |
| No data available                                |                   |              |           |
| <b>Vapour pressure</b>                           |                   |              |           |
| No data available                                |                   |              |           |
| <b>Vapour density</b>                            |                   |              |           |
| No data available                                |                   |              |           |
| <b>Evaporation rate</b>                          |                   |              |           |
| No data available                                |                   |              |           |
| <b>Relative density</b>                          |                   |              |           |
| No data available                                |                   |              |           |
| <b>Density</b>                                   |                   |              |           |
| no data available                                |                   |              |           |
| <b>Solubility in water</b>                       |                   |              |           |
| Remarks                                          |                   | miscible     |           |
| <b>Solubility(ies)</b>                           |                   |              |           |
| No data available                                |                   |              |           |
| <b>Partition coefficient: n-octanol/water</b>    |                   |              |           |
| No                                               | Substance name    | CAS no.      | EC no.    |
| 1                                                | diethylene glycol | 111-46-6     | 203-872-2 |
| log Pow                                          |                   | < 1          |           |
| Source                                           |                   | Manufacturer |           |

**Trade name:** edding Flipchart Marker Ink (black, green) contained in: edding 31, edding 32

**Current version :** 2.2.0, issued: 02.03.2015

**Replaced version:** 2.1.0, issued: 27.02.2015

**Region:** GB

#### 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

No data available.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

No data available.

### 10.5 Incompatible materials

Oxidizing agents; Acids

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute oral toxicity (result of the ATE calculation for the mixture)

| No | Product Name                                                                  |
|----|-------------------------------------------------------------------------------|
| 1  | edding Flipchart Marker Ink (black, green) contained in: edding 31, edding 32 |

#### Remarks

The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg).

#### Acute oral toxicity

No data available

#### Acute dermal toxicity

| No | Substance name    | CAS no.  | EC no.    |
|----|-------------------|----------|-----------|
| 1  | diethylene glycol | 111-46-6 | 203-872-2 |

LD50

13300

mg/kg bodyweight

Species

rabbit

Source

ECHA

#### Acute inhalational toxicity

| No | Substance name    | CAS no.  | EC no.    |
|----|-------------------|----------|-----------|
| 1  | diethylene glycol | 111-46-6 | 203-872-2 |

LC50

>

4.6

mg/l

Duration of exposure

4

h

State of aggregation

Dust/mist

Species

rat

Source

ECHA

Evaluation/classification

Based on available data, the classification criteria are not met.

**Trade name:** edding Flipchart Marker Ink (black, green) contained in: edding 31, edding 32

**Current version :** 2.2.0, issued: 02.03.2015

**Replaced version:** 2.1.0, issued: 27.02.2015

**Region:** GB

| Skin corrosion/irritation |                   |              |           |
|---------------------------|-------------------|--------------|-----------|
| No                        | Substance name    | CAS no.      | EC no.    |
| 1                         | diethylene glycol | 111-46-6     | 203-872-2 |
| Species                   |                   | rabbit       |           |
| Source                    |                   | ECHA         |           |
| Evaluation                |                   | non-irritant |           |

| Serious eye damage/irritation |                   |              |           |
|-------------------------------|-------------------|--------------|-----------|
| No                            | Substance name    | CAS no.      | EC no.    |
| 1                             | diethylene glycol | 111-46-6     | 203-872-2 |
| Species                       |                   | rabbit       |           |
| Source                        |                   | ECHA         |           |
| Evaluation                    |                   | non-irritant |           |

| Respiratory or skin sensitisation |                   |                 |           |
|-----------------------------------|-------------------|-----------------|-----------|
| No                                | Substance name    | CAS no.         | EC no.    |
| 1                                 | diethylene glycol | 111-46-6        | 203-872-2 |
| Route of exposure                 |                   | Skin            |           |
| Species                           |                   | guinea pig      |           |
| Method                            |                   | 67/548/EEC, B.6 |           |
| Source                            |                   | ECHA            |           |
| Evaluation                        |                   | non-sensitizing |           |

| Germ cell mutagenicity    |                   |                                                                   |           |
|---------------------------|-------------------|-------------------------------------------------------------------|-----------|
| No                        | Substance name    | CAS no.                                                           | EC no.    |
| 1                         | diethylene glycol | 111-46-6                                                          | 203-872-2 |
| Source                    |                   | ECHA                                                              |           |
| Evaluation/classification |                   | Based on available data, the classification criteria are not met. |           |

| Reproduction toxicity     |                   |                                                                   |           |
|---------------------------|-------------------|-------------------------------------------------------------------|-----------|
| No                        | Substance name    | CAS no.                                                           | EC no.    |
| 1                         | diethylene glycol | 111-46-6                                                          | 203-872-2 |
| Source                    |                   | ECHA                                                              |           |
| Evaluation/classification |                   | Based on available data, the classification criteria are not met. |           |

| Carcinogenicity           |                   |                                                                   |           |
|---------------------------|-------------------|-------------------------------------------------------------------|-----------|
| No                        | Substance name    | CAS no.                                                           | EC no.    |
| 1                         | diethylene glycol | 111-46-6                                                          | 203-872-2 |
| Source                    |                   | ECHA                                                              |           |
| Evaluation/classification |                   | Based on available data, the classification criteria are not met. |           |

| STOT-single exposure |  |  |  |
|----------------------|--|--|--|
| No data available    |  |  |  |

| STOT-repeated exposure |                   |                          |            |
|------------------------|-------------------|--------------------------|------------|
| No                     | Substance name    | CAS no.                  | EC no.     |
| 1                      | diethylene glycol | 111-46-6                 | 203-872-2  |
| Route of exposure      |                   | oral                     |            |
| NOAEL                  |                   | 100                      | mg/kg bw/d |
| Species                |                   | rat                      |            |
| Target organ           |                   | kidney                   |            |
| Source                 |                   | ECHA                     |            |
| Effects                |                   | Causes damage to organs. |            |

| 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. Eye contact with the product may lead to irritation. |  |  |  |



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**Current version :** 2.2.0, issued: 02.03.2015

**Replaced version:** 2.1.0, issued: 27.02.2015

**Region:** GB

## SECTION 12: Ecological information

### 12.1 Toxicity

| Toxicity to fish (acute) |                     |          |           |
|--------------------------|---------------------|----------|-----------|
| No                       | Substance name      | CAS no.  | EC no.    |
| 1                        | diethylene glycol   | 111-46-6 | 203-872-2 |
| LC50                     |                     | 75200    | mg/l      |
| Duration of exposure     |                     | 96       | h         |
| Species                  | Pimephales promelas |          |           |
| Source                   | ECHA                |          |           |

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

| Toxicity to Daphnia (acute) |                   |          |           |
|-----------------------------|-------------------|----------|-----------|
| No                          | Substance name    | CAS no.  | EC no.    |
| 1                           | diethylene glycol | 111-46-6 | 203-872-2 |
| EC50                        | >                 | 10000    | mg/l      |
| Duration of exposure        |                   | 48       | h         |
| Species                     | Daphnia magna     |          |           |
| Method                      | DIN 38412         |          |           |
| Source                      | Manufacturer      |          |           |

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

| Toxicity to algae (acute) |  |  |  |
|---------------------------|--|--|--|
| No data available         |  |  |  |

| Toxicity to algae (chronic) |                         |          |           |
|-----------------------------|-------------------------|----------|-----------|
| No                          | Substance name          | CAS no.  | EC no.    |
| 1                           | diethylene glycol       | 111-46-6 | 203-872-2 |
| NOEC                        |                         | 2700     | mg/l      |
| Duration of exposure        |                         | 8        | day(s)    |
| Species                     | Scenedesmus quadricauda |          |           |
| Source                      | ECHA                    |          |           |

| Bacteria toxicity    |                   |          |           |
|----------------------|-------------------|----------|-----------|
| No                   | Substance name    | CAS no.  | EC no.    |
| 1                    | diethylene glycol | 111-46-6 | 203-872-2 |
| EC20                 | >                 | 1.995    | mg/l      |
| Duration of exposure |                   | 0.5      | h         |
| Species              | activated sludge  |          |           |
| Method               | ISO 8192          |          |           |
| Source               | ECHA              |          |           |

### 12.2 Persistence and degradability

| Biodegradability |                       |          |           |
|------------------|-----------------------|----------|-----------|
| No               | Substance name        | CAS no.  | EC no.    |
| 1                | diethylene glycol     | 111-46-6 | 203-872-2 |
| Type             | DOC decrease          |          |           |
| Value            | 90                    | - 100    | %         |
| Duration         |                       | 28       | day(s)    |
| Method           | OECD 301 B            |          |           |
| Source           | ECHA                  |          |           |
| Evaluation       | readily biodegradable |          |           |

**Trade name:** edding Flipchart Marker Ink (black, green) contained in: edding 31, edding 32

**Current version :** 2.2.0, issued: 02.03.2015

**Replaced version:** 2.1.0, issued: 27.02.2015

**Region:** GB

### 12.3 Bioaccumulative potential

| Bioconcentration factor (BCF) |                   |                |           |
|-------------------------------|-------------------|----------------|-----------|
| No                            | Substance name    | CAS no.        | EC no.    |
| 1                             | diethylene glycol | 111-46-6       | 203-872-2 |
| BCF                           |                   | 100            |           |
| Species                       |                   | Leuciscus idus |           |
| Source                        |                   | ECHA           |           |

  

| Partition coefficient: n-octanol/water |                   |              |           |
|----------------------------------------|-------------------|--------------|-----------|
| No                                     | Substance name    | CAS no.      | EC no.    |
| 1                                      | diethylene glycol | 111-46-6     | 203-872-2 |
| log Pow                                |                   | < 1          |           |
| Source                                 |                   | Manufacturer |           |

### 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.

## 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

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## 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

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

Remarks

Annex I, part 1 + 2: not mentioned. With regard to possibly appropriate decomposition products see Chapter 10.

### 15.2 Chemical safety assessment

No data available.

## SECTION 16: Other information

#### Sources of key data used to compile the data sheet:

EC Directive 67/548/EC resp. 1999/45/EC as amended in each case.

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

|           |                                                                                                  |
|-----------|--------------------------------------------------------------------------------------------------|
| R21/22    | Harmful in contact with skin and if swallowed.                                                   |
| R22       | Harmful if swallowed.                                                                            |
| R23/24/25 | Toxic by inhalation, in contact with skin and if swallowed.                                      |
| R34       | Causes burns.                                                                                    |
| R37/38    | Irritating to respiratory system and skin.                                                       |
| R41       | Risk of serious damage to eyes.                                                                  |
| R43       | May cause sensitisation by skin contact.                                                         |
| R50       | Very toxic to aquatic organisms.                                                                 |
| R50/53    | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| H301      | Toxic if swallowed.                                                                              |
| H302      | Harmful if swallowed.                                                                            |
| H311      | Toxic in contact with skin.                                                                      |
| H312      | Harmful in contact with skin.                                                                    |
| H314      | Causes severe skin burns and eye damage.                                                         |
| H315      | Causes skin irritation.                                                                          |
| H318      | Causes serious eye damage.                                                                       |
| H331      | Toxic if inhaled.                                                                                |
| H335      | May cause respiratory irritation.                                                                |
| H373o     | May cause damage to organs through prolonged or repeated exposure if swallowed.                  |
| H400      | Very toxic to aquatic life.                                                                      |
| H410      | Very toxic to aquatic life with long lasting effects.                                            |

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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.