

## Safety Data Sheet

### Textliner Ink Orange 22/4815

Revision: 21.07.2026

Product code: 100-084-987

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

### 1.1. Product identifier

Textliner Ink Orange 22/4815

#### Further trade names

article number 100-008-687; 100-084-987; 100-084-986

Included in Textliner 154215, 154315, 154615, 54675, 154815, 156815, 250615 and Textliner Refill 154915

UFI: QJ7F-EED1-J99Q-GTVV

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

#### Use of the substance/mixture

Ink in writing instrument

### 1.3. Details of the supplier of the safety data sheet

|                 |                                      |                                 |
|-----------------|--------------------------------------|---------------------------------|
| Company name:   | A.W. Faber-Castell Peruana S.A.      |                                 |
|                 | Peruana                              |                                 |
| Street:         | Av. La Molina 161                    |                                 |
| Place:          | PE PE Lima 3                         |                                 |
| Telephone:      | 0051-1-612-1900                      |                                 |
| Contact person: | Maria Claudia Rodriguez              | Telephone: 0051-1-612-1900-2216 |
| E-mail:         | Maria.Rodriguez@Faber-Castell.com.pe |                                 |
| Internet:       | www.faber-castell.com.pe             |                                 |

### 1.4. Emergency telephone number:

0051-1-612-1900-2216

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

Eye Dam. 1; H318

Skin Sens. 1; H317

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

#### Regulation (EC) No 1272/2008

#### Hazard components for labelling

Reaction Product of Benzenesulfonic Acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic Acid, 4-methyl-and sodium hydroxide

2-methylisothiazol-3(2H)-one

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one

Signal word: Danger

Pictograms:



#### Hazard statements

May cause an allergic skin reaction.

Causes serious eye damage.

#### Precautionary statements

Avoid breathing dust/fume/gas/mist/vapours/spray.

Contaminated work clothing should not be allowed out of the workplace.

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

IF ON SKIN: Wash with plenty of Face and all exposed skin.

If skin irritation or rash occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Immediately call a POISON CENTER/doctor.

### 2.3. Other hazards

No data available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Water-based ink with dyes, preservatives and additives.

#### Relevant ingredients

| CAS No    | Chemical name                                                                                                                                                          |              |                  | Quantity  |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------|-----------|
|           | EC No                                                                                                                                                                  | Index No     | REACH No         |           |
|           | Classification (Regulation (EC) No 1272/2008)                                                                                                                          |              |                  |           |
|           | Reaction Product of Benzenesulfonic Acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic Acid, 4-methyl-and sodium hydroxide                                           |              |                  | 1 - < 5 % |
|           | 932-051-8                                                                                                                                                              |              | 01-2119565112-48 |           |
|           | Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3; H315 H318 H412                                                                                                           |              |                  |           |
| 111-46-6  | 2,2'-oxybisethanol; diethylene glycol                                                                                                                                  |              |                  | 1 - < 5 % |
|           | 203-872-2                                                                                                                                                              | 603-140-00-6 |                  |           |
|           | Acute Tox. 4; H302                                                                                                                                                     |              |                  |           |
| 77-99-6   | Trimethylolpropane                                                                                                                                                     |              |                  | < 1 %     |
|           | 201-074-9                                                                                                                                                              |              | 01-2119486799-10 |           |
|           | Repr. 2; H361fd                                                                                                                                                        |              |                  |           |
| 2682-20-4 | 2-methylisothiazol-3(2H)-one                                                                                                                                           |              |                  | < 0.1 %   |
|           | 220-239-6                                                                                                                                                              | 613-326-00-9 | 01-2120764690-50 |           |
|           | Acute Tox. 2, Acute Tox. 3, Acute Tox. 3, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H311 H301 H314 H318 H317 H400 H410 EUH071 |              |                  |           |
| 2634-33-5 | 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one                                                                                                               |              |                  | < 0.036 % |
|           | 220-120-9                                                                                                                                                              | 613-088-00-6 | 01-2120761540-60 |           |
|           | Acute Tox. 2, Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H302 H315 H318 H317 H400 H410                           |              |                  |           |
| 52-51-7   | bronopol (INN); 2-bromo-2-nitropropane-1,3-diol                                                                                                                        |              |                  | < 0.1 %   |
|           | 200-143-0                                                                                                                                                              | 603-085-00-8 | 01-2119980938-15 |           |
|           | Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, STOT SE 3, Aquatic Acute 1; H312 H302 H315 H318 H335 H400                                                       |              |                  |           |

Full text of H and EUH statements: see section 16.

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**Specific Conc. Limits, M-factors and ATE**

| CAS No    | EC No     | Chemical name                                                                                                                                                                                                                          | Quantity  |
|-----------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
|           |           | Specific Conc. Limits, M-factors and ATE                                                                                                                                                                                               |           |
| 111-46-6  | 203-872-2 | 2,2'-oxybisethanol; diethylene glycol                                                                                                                                                                                                  | 1 - < 5 % |
|           |           | dermal: LD50 = 11890 mg/kg; oral: ATE = 500 mg/kg                                                                                                                                                                                      |           |
| 77-99-6   | 201-074-9 | Trimethylolpropane                                                                                                                                                                                                                     | < 1 %     |
|           |           | inhalation: LC50 = >0,85 mg/l (vapours); dermal: LD50 = >10000 mg/kg; oral: LD50 = 14100 mg/kg                                                                                                                                         |           |
| 2682-20-4 | 220-239-6 | 2-methylisothiazol-3(2H)-one                                                                                                                                                                                                           | < 0.1 %   |
|           |           | inhalation: ATE = 0,5 mg/l (vapours); inhalation: ATE = 0,05 mg/l (dusts or mists); dermal: ATE = 300 mg/kg; oral: ATE = 100 mg/kg Skin Sens. 1A; H317: >= 0,0015 - 100<br>Aquatic Acute 1; H400: M=10<br>Aquatic Chronic 1; H410: M=1 |           |
| 2634-33-5 | 220-120-9 | 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one                                                                                                                                                                               | < 0.036 % |
|           |           | inhalation: ATE 0,21 mg/l (dusts or mists); oral: ATE 450 mg/kg Skin Sens. 1A; H317: >= 0,036 - 100<br>Aquatic Acute 1; H400: M=1<br>Aquatic Chronic 1; H410: M=1                                                                      |           |
| 52-51-7   | 200-143-0 | bronopol (INN); 2-bromo-2-nitropropane-1,3-diol                                                                                                                                                                                        | < 0.1 %   |
|           |           | dermal: ATE = 1100 mg/kg; oral: ATE = 500 mg/kg Aquatic Acute 1; H400: M=10                                                                                                                                                            |           |

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

Remove contaminated clothing immediately and dispose off safely.  
If victim is at risk of losing consciousness, position and transport on their side.  
Turn a vomiting person to the side.

**After inhalation**

Provide fresh air.  
Call a physician if symptoms develop or persist.

**After contact with skin**

Wash immediately with soap and plenty of water.  
Use appropriate skin protective cream afterwards.  
In case of prolonged skin irritation consult a physician.

**After contact with eyes**

Rinse with eyelid held open for several minutes with running water. Medical treatment necessary.

**After ingestion**

Drink large amounts of water and fresh air.

**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**

If packaging or plastic boxes are burning:  
Carbon dioxide (CO2). Extinguishing powder. Water spray.  
large fire: Water spray.

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**Unsuitable extinguishing media**

For this substance / preparation no extinguishing agent restriction exist.

**5.2. Special hazards arising from the substance or mixture**

No specific hazards known.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

The product itself does not burn.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**General advice**

Safety glasses. Gloves.  
Keep away unguarded persons.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

**6.3. Methods and material for containment and cleaning up**

**Other information**

Bind with absorbent material. Dispose of waste according to applicable legislation.

**6.4. Reference to other sections**

Information for safe handling, see section 7.  
Information for personal protective equipment, see section 8.  
Information for disposal, see section 13.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advice on safe handling**

Keep container tightly closed.  
Handle and open container with care.  
Secure an adequate ventilation.

**Advice on protection against fire and explosion**

No special measures necessary.

**Advice on general occupational hygiene**

The chemicals in dealing with the usual precautions must be observed. Wash hands before breaks and after work.

**Further information on handling**

No special measures necessary.

**7.2. Conditions for safe storage, including any incompatibilities**

**Requirements for storage rooms and vessels**

Ink: Protect from freezing.  
Recommended storage temperatur: 5 - 35 °C

**Hints on joint storage**

Do not mix with Alkali.

**Further information on storage conditions**

Do not mix with acids.

**7.3. Specific end use(s)**

No data available.

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**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Exposure limits (EH40)**

| CAS No   | Substance         | ppm | mg/m <sup>3</sup> | fibres/ml | Category  | Origin |
|----------|-------------------|-----|-------------------|-----------|-----------|--------|
| 111-46-6 | 2,2'-Oxydiethanol | 23  | 101               |           | TWA (8 h) | WEL    |

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### DNEL/DMEL values

| CAS No                   | Substance                                                                                                                    | Exposure route | Effect   | Value                   |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------|----------------|----------|-------------------------|
| DNEL type                |                                                                                                                              |                |          |                         |
|                          | Reaction Product of Benzenesulfonic Acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic Acid, 4-methyl-and sodium hydroxide |                |          |                         |
| Worker DNEL, long-term   |                                                                                                                              | dermal         | systemic | 85 mg/kg bw/day         |
| Worker DNEL, long-term   |                                                                                                                              | inhalation     | systemic | 6 mg/m <sup>3</sup>     |
| Consumer DNEL, long-term |                                                                                                                              | oral           | systemic | 0,425 mg/kg bw/day      |
| Consumer DNEL, long-term |                                                                                                                              | dermal         | systemic | 42,5 mg/kg bw/day       |
| Consumer DNEL, long-term |                                                                                                                              | inhalation     | systemic | 1,5 mg/m <sup>3</sup>   |
| 77-99-6                  | Trimethylolpropane                                                                                                           |                |          |                         |
| Consumer DNEL, long-term |                                                                                                                              | inhalation     | systemic | 0,58 mg/m <sup>3</sup>  |
| Consumer DNEL, long-term |                                                                                                                              | oral           | systemic | 0,34 mg/kg bw/day       |
| Worker DNEL, long-term   |                                                                                                                              | dermal         | systemic | 0,94 mg/kg bw/day       |
| Worker DNEL, long-term   |                                                                                                                              | inhalation     | systemic | 3,3 mg/m <sup>3</sup>   |
| Consumer DNEL, long-term |                                                                                                                              | dermal         | systemic | 0,34 mg/kg bw/day       |
| 2682-20-4                | 2-methylisothiazol-3(2H)-one                                                                                                 |                |          |                         |
| Worker DNEL, long-term   |                                                                                                                              | inhalation     | local    | 0,021 mg/m <sup>3</sup> |
| Worker DNEL, acute       |                                                                                                                              | inhalation     | local    | 0,043 mg/m <sup>3</sup> |
| Consumer DNEL, long-term |                                                                                                                              | inhalation     | local    | 0,021 mg/m <sup>3</sup> |
| Consumer DNEL, acute     |                                                                                                                              | inhalation     | local    | 0,043 mg/m <sup>3</sup> |
| Consumer DNEL, long-term |                                                                                                                              | oral           | systemic | 0,027 mg/kg bw/day      |
| Consumer DNEL, acute     |                                                                                                                              | oral           | systemic | 0,053 mg/kg bw/day      |
| 2634-33-5                | 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one                                                                     |                |          |                         |
| Worker DNEL, long-term   |                                                                                                                              | inhalation     | systemic | 6,81 mg/m <sup>3</sup>  |
| Worker DNEL, long-term   |                                                                                                                              | dermal         | systemic | 0,966 mg/kg bw/day      |
| Consumer DNEL, long-term |                                                                                                                              | inhalation     | systemic | 1,2 mg/m <sup>3</sup>   |
| Consumer DNEL, long-term |                                                                                                                              | dermal         | systemic | 0,345 mg/kg bw/day      |
| 52-51-7                  | bronopol (INN); 2-bromo-2-nitropropane-1,3-diol                                                                              |                |          |                         |
| Worker DNEL, long-term   |                                                                                                                              | inhalation     | systemic | 3,5 mg/m <sup>3</sup>   |
| Worker DNEL, long-term   |                                                                                                                              | inhalation     | local    | 2,5 mg/m <sup>3</sup>   |
| Worker DNEL, acute       |                                                                                                                              | inhalation     | systemic | 2,5 mg/m <sup>3</sup>   |
| Worker DNEL, long-term   |                                                                                                                              | dermal         | systemic | 2 mg/kg bw/day          |
| Worker DNEL, acute       |                                                                                                                              | dermal         | systemic | 6 mg/kg bw/day          |

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### PNEC values

| CAS No                                          | Substance                                                                                                                    |               |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|---------------|
| Environmental compartment                       |                                                                                                                              | Value         |
|                                                 | Reaction Product of Benzenesulfonic Acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic Acid, 4-methyl-and sodium hydroxide |               |
| Freshwater                                      |                                                                                                                              | 0,268 mg/kg   |
| Freshwater (intermittent releases)              |                                                                                                                              | 0,055 mg/l    |
| Marine water                                    |                                                                                                                              | 0,0268 mg/l   |
| Freshwater sediment                             |                                                                                                                              | 8,1 mg/kg     |
| Marine sediment                                 |                                                                                                                              | 8,1 mg/kg     |
| Microorganisms in sewage treatment plants (STP) |                                                                                                                              | 5,6 mg/l      |
| Soil                                            |                                                                                                                              | 35 mg/kg      |
| 77-99-6                                         | Trimethylolpropane                                                                                                           |               |
| Microorganisms in sewage treatment plants (STP) |                                                                                                                              | 100 mg/l      |
| 2682-20-4                                       | 2-methylisothiazol-3(2H)-one                                                                                                 |               |
| Freshwater                                      |                                                                                                                              | 0,00339 mg/l  |
| Freshwater (intermittent releases)              |                                                                                                                              | 0,00339 mg/l  |
| Marine water                                    |                                                                                                                              | 0,00339 mg/l  |
| Microorganisms in sewage treatment plants (STP) |                                                                                                                              | 0,23 mg/l     |
| Soil                                            |                                                                                                                              | 0,0471 mg/kg  |
| 2634-33-5                                       | 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one                                                                     |               |
| Freshwater                                      |                                                                                                                              | 0,00403 mg/l  |
| Freshwater (intermittent releases)              |                                                                                                                              | 0,0011 mg/l   |
| Marine water                                    |                                                                                                                              | 0,000403 mg/l |
| Freshwater sediment                             |                                                                                                                              | 0,0499 mg/l   |
| Marine sediment                                 |                                                                                                                              | 0,00499 mg/kg |
| Microorganisms in sewage treatment plants (STP) |                                                                                                                              | 1,03 mg/l     |
| Soil                                            |                                                                                                                              | 3 mg/kg       |
| 52-51-7                                         | bronopol (INN); 2-bromo-2-nitropropane-1,3-diol                                                                              |               |
| Freshwater                                      |                                                                                                                              | 0,01 mg/l     |
| Marine water                                    |                                                                                                                              | 0,001 mg/l    |
| Freshwater sediment                             |                                                                                                                              | 0,041 mg/kg   |
| Marine sediment                                 |                                                                                                                              | 0,003 mg/kg   |

### Additional advice on limit values

Refer to chapter 7. No further action is necessary.

### 8.2. Exposure controls

#### Appropriate engineering controls

No special measures are necessary.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Safety glasses.

##### Hand protection

Wear suitable gloves.

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**Skin protection**

For normal use not necessary.

**Respiratory protection**

For normal use not necessary.

**Environmental exposure controls**

Do not allow the product to enter the drains.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

|                                                           |                    |
|-----------------------------------------------------------|--------------------|
| Physical state:                                           | liquid             |
| Colour:                                                   | orange             |
| Odour:                                                    | slightly           |
| Melting point/freezing point:                             | ca. 0 °C           |
| Boiling point or initial boiling point and boiling range: | 100 °C             |
| Flammability:                                             | not applicable     |
| Lower explosion limits:                                   | not applicable     |
| Upper explosion limits:                                   | not applicable     |
| Flash point:                                              | > 100 °C           |
| Auto-ignition temperature:                                | not applicable     |
| Decomposition temperature:                                | not applicable     |
| pH-Value:                                                 | 3,2                |
| Viscosity / kinematic:                                    | No data available. |
| Water solubility:                                         | complete miscible  |
| Solubility in other solvents                              |                    |
| Soluble in: Acetone, Ethanol                              |                    |
| Partition coefficient n-octanol/water:                    | No data available. |
| Vapour pressure:                                          | < 22 hPa           |
| (at 20 °C)                                                |                    |
| Vapour pressure:                                          | No data available. |
| Density (at 20 °C):                                       | 1 g/cm³            |
| Bulk density:                                             | No data available. |
| Relative vapour density:                                  | No data available. |
| Particle characteristics:                                 | No data available. |

**9.2. Other information**

**Information with regard to physical hazard classes**

**Explosive properties**

not Explosive.

**Sustained combustibility:**

No data available

**Self-ignition temperature**

Solid:

not applicable

Gas:

not applicable

**Oxidizing properties**

Non-oxidizing.

**Other safety characteristics**

**Evaporation rate:**

No data available.

**Solvent separation test:**

No data available.

**Solvent content:**

5,74 %

**Solid content:**

12,62 %

**Sublimation point:**

No data available.

**Softening point:**

No data available.

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Pour point:

No data available.

Viscosity / dynamic:  
(at 20 °C)

No data available.

2,1 - 2,2 mPa·s

Flow time:

No data available.

**Further Information**

No data available.

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No data available.

**10.2. Chemical stability**

not proof against Strong acid and strong alkalis

**10.3. Possibility of hazardous reactions**

No hazardous reactions known.

**10.4. Conditions to avoid**

Do not mix with acids. Hazardous reactions: none known

**10.5. Incompatible materials**

Lye and acid.

**10.6. Hazardous decomposition products**

none known

**SECTION 11: Toxicological information**

**11.1. Information on hazard classes**

**ATEmix calculated**

ATE (oral) > 5000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

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**Acute toxicity**

| CAS No    | Chemical name                                            |                   |           |        |        |
|-----------|----------------------------------------------------------|-------------------|-----------|--------|--------|
|           | Exposure route                                           | Dose              | Species   | Source | Method |
| 111-46-6  | 2,2'-oxybisethanol; diethylene glycol                    |                   |           |        |        |
|           | oral                                                     | ATE 500 mg/kg     |           |        |        |
|           | dermal                                                   | LD50 11890 mg/kg  | Kaninchen |        |        |
| 77-99-6   | Trimethylolpropane                                       |                   |           |        |        |
|           | oral                                                     | LD50 14100 mg/kg  | rat       | ECHA   |        |
|           | dermal                                                   | LD50 >10000 mg/kg | Rabbit    | ECHA   |        |
|           | inhalation (4 h) vapour                                  | LC50 >0,85 mg/l   | rat       | ECHA   |        |
| 2682-20-4 | 2-methylisothiazol-3(2H)-one                             |                   |           |        |        |
|           | oral                                                     | ATE 100 mg/kg     |           |        |        |
|           | dermal                                                   | ATE 300 mg/kg     |           |        |        |
|           | inhalation vapour                                        | ATE 0,5 mg/l      |           |        |        |
|           | inhalation dust/mist                                     | ATE 0,05 mg/l     |           |        |        |
| 2634-33-5 | 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one |                   |           |        |        |
|           | oral                                                     | ATE 450 mg/kg     |           |        |        |
|           | inhalation dust/mist                                     | ATE 0,21 mg/l     |           |        |        |
| 52-51-7   | bronopol (INN); 2-bromo-2-nitropropane-1,3-diol          |                   |           |        |        |
|           | oral                                                     | ATE 500 mg/kg     |           |        |        |
|           | dermal                                                   | ATE 1100 mg/kg    |           |        |        |

**Irritation and corrosivity**

Irritant effect on the eye: Slight irritation by basic pH.

Irritant effect on the skin: none known

**Specific effects in experiment on an animal**

The product was not tested on animals. The toxicological data were adopted by products of similar composition.

**11.2. Information on other hazards**

**Endocrine disrupting properties**

No data available.

**Further information**

The product reinduces no harmful effects by our experience and the information available to us, while properly handling and normal usage.

**SECTION 12: Ecological information**

**12.1. Toxicity**

No toxicity.

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| CAS No   | Chemical name                         |               |           |         |                                        |        |
|----------|---------------------------------------|---------------|-----------|---------|----------------------------------------|--------|
|          | Aquatic toxicity                      | Dose          | [h]   [d] | Species | Source                                 | Method |
| 111-46-6 | 2,2'-oxybisethanol; diethylene glycol |               |           |         |                                        |        |
|          | Acute fish toxicity                   | LC50<br>mg/l  | > 32000   | 96 h    | Gambusia affinis                       |        |
| 77-99-6  | Trimethylolpropane                    |               |           |         |                                        |        |
|          | Acute fish toxicity                   | LC50<br>mg/l  | >1000     | 96 h    | Ukelei (Alburnus alburnus)             | ECHA   |
|          | Acute algae toxicity                  | ErC50<br>mg/l | >1000     | 72 h    | Alge (Pseudokirchneriella subcapitata) | ECHA   |
|          | Acute crustacea toxicity              | EC50<br>mg/l  | 13000     | 48 h    | Daphnia magna                          | ECHA   |
|          | Fish toxicity                         | NOEC<br>mg/l  | >1000     | 21 d    | Daphnia magna                          | ECHA   |

**12.2. Persistence and degradability**

No data available.

| CAS No  | Chemical name        |       |    |        |
|---------|----------------------|-------|----|--------|
|         | Method               | Value | d  | Source |
|         | Evaluation           |       |    |        |
| 77-99-6 | Trimethylolpropane   |       |    |        |
|         | OECD Guideline 301 E | 6%    | 28 | ECHA   |
|         | OECD Guideline 302C  | 100%  | 28 | ECHA   |

**12.3. Bioaccumulative potential**

No data available.

**Partition coefficient n-octanol/water**

| CAS No   | Chemical name                         | Log Pow      |
|----------|---------------------------------------|--------------|
| 111-46-6 | 2,2'-oxybisethanol; diethylene glycol | -1,98 (25°C) |
| 77-99-6  | Trimethylolpropane                    | -0,8         |

**BCF**

| CAS No  | Chemical name      | BCF | Species | Source |
|---------|--------------------|-----|---------|--------|
| 77-99-6 | Trimethylolpropane | <17 |         | ECHA   |

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

No data available.

**12.7. Other adverse effects**

No data available.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal recommendations**

Waste disposal according to official state regulations and local regulations.  
German Waste Catalogue - Waste code: 080103  
Disposal identification: Water-based colours  
Water-based inks

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**Contaminated packaging**

Clean with water.

Contaminated packaging must be completely emptied and can be re-cycled following appropriate cleaning.

**SECTION 14: Transport information**

**Land transport (ADR/RID)**

**14.1. UN number or ID number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)**

**14.1. UN number or ID number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)**

**14.1. UN number or ID number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number or ID number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

No special measures are necessary.

**14.7. Maritime transport in bulk according to IMO instruments**

No data available.

**SECTION 15: Regulatory information**

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

**EU regulatory information**

Restrictions on use (UK-REACH, annex XVII):

Entry 3, Entry 75

Directive 2010/75/EU on industrial emissions: 0,44 % (4,4 g/l)

Directive 2004/42/EC on VOC in paints and varnishes: 6,06 % (60,6 g/l)

Information according to Directive 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

**National regulatory information**

Water hazard class (D): 1 - slightly hazardous to water

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

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**SECTION 16: Other information**

**Abbreviations and acronyms**

Acute Tox. 2: Acute toxicity, hazard category 2  
Acute Tox. 3: Acute toxicity, hazard category 3  
Acute Tox. 4: Acute toxicity, hazard category 4  
Skin Corr. 1B: Skin corrosion, sub-category 1B  
Skin Irrit. 2: Skin irritation, hazard category 2  
Eye Dam. 1: Serious eye damage, hazard category 1  
Skin Sens. 1: Skin sensitisation, hazard category 1  
Skin Sens. 1A: Skin sensitisation, hazard category 1A  
Repr. 2: Reproductive toxicity, hazard category 2  
STOT SE 3: Specific target organ toxicity - single exposure, hazard category 3  
Aquatic Acute 1: Hazardous to the aquatic environment, hazard category: Acute 1  
Aquatic Chronic 1: Hazardous to the aquatic environment, long-term hazard category: Chronic 1  
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard category: Chronic 3  
EC: European Community  
CAS: Chemical Abstracts  
TRGS: Technische Regeln für Gefahrstoffe  
LD: letal Dose  
DIN: Deutsches Institut für Normung  
VwVwS: Verwaltungsvorschrift wassergefährdende Stoffe  
A.W.: Anton Wolfgang  
HZVA: Production, Blending, Sale and Application. Abbreviation of the European waste register.  
VOC: Volatile Organic Compounds  
EN: Europäische Norm  
GHS: Globally Harmonized System

**Classification for mixtures and used evaluation method**

| Classification     | Classification procedure |
|--------------------|--------------------------|
| Eye Dam. 1; H318   | Calculation method       |
| Skin Sens. 1; H317 | Calculation method       |

**Relevant H and EUH statements (number and full text)**

Toxic if swallowed.  
Harmful if swallowed.  
Toxic in contact with skin.  
Harmful in contact with skin.  
Causes severe skin burns and eye damage.  
Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye damage.  
Fatal if inhaled.  
May cause respiratory irritation.  
Suspected of damaging fertility. Suspected of damaging the unborn child.  
Very toxic to aquatic life.  
Very toxic to aquatic life with long lasting effects.  
Harmful to aquatic life with long lasting effects.  
Corrosive to the respiratory tract.

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.  
The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*