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Revision date / version: 01.11.2021 / 0015  
Replacing version dated / version: 08.04.2021 / 0014  
Valid from: 01.11.2021  
PDF print date: 01.11.2021  
Tacolit Power 290 ml  
Art.: 9008257

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**Safety data sheet  
according to Regulation (EC) No 1907/2006, Annex II**

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

**1.1 Product identifier**

**Tacolit Power 290 ml**  
**Art.: 9008257**

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

Adhesive

**Uses advised against:**

No information available at present.

**1.3 Details of the supplier of the safety data sheet**

BTI Befestigungstechnik GmbH & Co. KG  
Salzstr. 51  
74653 Ingelfingen  
Tel.: +49 7940 141 141  
Fax: +49 7940 141 9141  
Email: info@bti.de  
Homepage: www.bti.de

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

**1.4 Emergency telephone number**

**Emergency information services / official advisory body:**

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**Telephone number of the company in case of emergencies:**

+49 (0) 700 / 24 112 112 (BRC)  
+1 872 5888271 (BRC)

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**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) 1272/2008 (CLP)**

The mixture is not classified as dangerous in the terms of the Regulation (EC) 1272/2008 (CLP).

**2.2 Label elements**

**Labeling according to Regulation (EC) 1272/2008 (CLP)**



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EUH208-Contains Trimethoxyvinylsilane, N-(3-(trimethoxysilyl)propyl)ethylenediamine, N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine. May produce an allergic reaction.

EUH210-Safety data sheet available on request.

### 2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any substance with endocrine disrupting properties (< 0,1 %).

## SECTION 3: Composition/information on ingredients

Bonding and sealing compound based on hydrosilicon-modified polymers.

### 3.1 Substances

n.a.

### 3.2 Mixtures

| Trimethoxyvinylsilane  |   |
|--|---|
| Registration number (REACH)  | 01-2119513215-52-XXXX   |
| Index  | 014-049-00-0  |
| EINECS, ELINCS, NLP, REACH-IT List-No.                                 | 220-449-8   |
| CAS  | 2768-02-7   |
| content %  | 1-<5  |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | Flam. Liq. 3, H226<br>Acute Tox. 4, H332<br>Skin Sens. 1B, H317 |

| N-(3-(trimethoxysilyl)propyl)ethylenediamine                           |   |
|--|---|
| Registration number (REACH)  | 01-2119970215-39-XXXX   |
| Index  | ---   |
| EINECS, ELINCS, NLP, REACH-IT List-No.                                 | 217-164-6   |
| CAS  | 1760-24-3   |
| content %  | 0,1-<1  |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | Acute Tox. 4, H332<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411 |

| N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine |                       |
|---|-----------------------|
| Registration number (REACH)                       | 01-2119963926-21-XXXX |
| Index   | ---                   |
| EINECS, ELINCS, NLP, REACH-IT List-No.            | 221-336-6             |
| CAS   | 3069-29-2             |
| content %   | 0,1-<1                |



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|   |  |
|---|--|
| <b>Classification according to Regulation (EC) 1272/2008 (CLP), M-factors</b> | Acute Tox. 4, H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1A, H317 |
|---|--|

Impurities, test data and additional information may have been taken into account in classifying and labelling the product.

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

The substances named in this section are given with their actual, appropriate classification!

For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

First-aiders should ensure they are protected!

Never pour anything into the mouth of an unconscious person!

#### Inhalation

Supply person with fresh air and consult doctor according to symptoms.

#### Skin contact

Wipe off residual product carefully with a soft, dry cloth.

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

#### Eye contact

Remove contact lenses.

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Do not rub.

#### Ingestion

Rinse the mouth thoroughly with water.

Call doctor immediately - have Data Sheet available.

### 4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

### 4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water jet spray/foam/CO2/dry extinguisher

#### Unsuitable extinguishing media

None

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

In case of fire the following can develop:

Oxides of carbon

Oxides of nitrogen

Calcium oxide

Toxic gases



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### **5.3 Advice for firefighters**

For personal protective equipment see Section 8.

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply.

Dispose of contaminated extinction water according to official regulations.

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## **SECTION 6: Accidental release measures**

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

#### **6.1.1 For non-emergency personnel**

In case of spillage or accidental release, wear personal protective equipment as specified in section 8 to prevent contamination.

Ensure sufficient ventilation, remove sources of ignition.

Avoid dust formation with solid or powder products.

Leave the danger zone if possible, use existing emergency plans if necessary.

Ensure sufficient supply of air.

Avoid contact with eyes or skin.

If applicable, caution - risk of slipping.

#### **6.1.2 For emergency responders**

See section 8 for suitable protective equipment and material specifications.

### **6.2 Environmental precautions**

If leakage occurs, dam up.

Resolve leaks if this possible without risk.

Prevent surface and ground-water infiltration, as well as ground penetration.

Prevent from entering drainage system.

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

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth) and dispose of according to Section 13.

Flush residue using copious water.

Or:

Allow product to harden.

Pick up mechanically and dispose of according to Section 13.

### **6.4 Reference to other sections**

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

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## **SECTION 7: Handling and storage**

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

### **7.1 Precautions for safe handling**

#### **7.1.1 General recommendations**

Ensure good ventilation.

Avoid contact with eyes or skin.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Observe directions on label and instructions for use.

#### **7.1.2 Notes on general hygiene measures at the workplace**

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.



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## 7.2 Conditions for safe storage, including any incompatibilities

Not to be stored in gangways or stair wells.

Store product closed and only in original packing.

Suitable container:

Plastic

Protect from direct sunlight and warming.

Only store at temperatures from 5°C to 25°C.

## 7.3 Specific end use(s)

No information available at present.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

The methanol listed below can arise upon contact with water.

| Chemical Name  | Calcium carbonate      | Content %: |
|--|------------------------|------------|
| WEL-TWA: 4 mg/m <sup>3</sup> (respirable dust),<br>10 mg/m <sup>3</sup> (total inhalable dust) | WEL-STEL: ---          | ---        |
| Monitoring procedures: ---   |                        |            |
| BMGV: ---  | Other information: --- |            |

| Chemical Name   | Methanol  | Content %: |
|---|---|------------|
| WEL-TWA: 200 ppm (266 mg/m <sup>3</sup> )<br>(WEL), 200 ppm (260 mg/m <sup>3</sup> ) (EU) | WEL-STEL: 250 ppm (333 mg/m <sup>3</sup> )<br>(WEL)   | ---        |
| Monitoring procedures:  | <ul style="list-style-type: none"> <li>- Draeger - Alcohol 25/a Methanol (81 01 631)</li> <li>- Compur - KITA-119 SA (549 640)</li> <li>- Compur - KITA-119 U (549 657)</li> <li>- DFG Meth. Nr. 6 (D) (Lösungsmittelgemische 6), DFG (E) (Solvent mixtures 6) - 2013, 2002 - EU project</li> <li>- BC/CEN/ENTR/000/2002-16 card 65-1 (2004)</li> <li>- NIOSH 2000 (METHANOL) - 1998</li> <li>- NIOSH 2549 (VOLATILE ORGANIC COMPOUNDS (SCREENING)) - 1996</li> <li>- NIOSH 3800 (ORGANIC AND INORGANIC GASES BY EXTRACTIVE FTIR SPECTROMETRY) - 2016</li> <li>- Draeger - Alcohol 100/a (CH 29 701)</li> </ul> |            |
| BMGV: ---   | Other information: Sk (WEL, EU)   |            |

| Trimethoxyvinylsilane |  |                  |            |       |      |      |
|-----------------------|--|------------------|------------|-------|------|------|
| Area of application   | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |
|                       |  |                  |            |       |      |      |

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|  |  |  |      |      |          |  |
|--|--|--|------|------|----------|--|
|  | Environment - freshwater                             |  | PNEC | 0,4  | mg/l     | Für entsprechendes Silantrio I (Hydrol ysprodu kt) ermittelt . |
|  | Environment - marine                                 |  | PNEC | 0,04 | mg/l     | Für entsprechendes Silantrio I (Hydrol ysprodu kt) ermittelt . |
|  | Environment - water, sporadic (intermittent) release |  | PNEC | 2,4  | mg/l     | Für entsprechendes Silantrio I (Hydrol ysprodu kt) ermittelt . |
|  | Environment - sewage treatment plant                 |  | PNEC | 6,6  | mg/l     | Für entsprechendes Silantrio I (Hydrol ysprodu kt) ermittelt . |
|  | Environment - sediment, freshwater                   |  | PNEC | 1,5  | mg/kg dw | Für entsprechendes Silantrio I (Hydrol ysprodu kt) ermittelt . |



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|                     |                                |                              |      |      |                   |  |
|---------------------|--------------------------------|------------------------------|------|------|-------------------|--|
|                     | Environment - sediment, marine |                              | PNEC | 0,15 | mg/kg dw          | Für entsprechendes Silantrio l (Hydrolyseprodukt) ermittelt. |
|                     | Environment - soil             |                              | PNEC | 0,06 | mg/kg dw          | Für entsprechendes Silantrio l (Hydrolyseprodukt) ermittelt. |
| Consumer            | Human - dermal                 | Short term, systemic effects | DNEL | 0,1  | mg/kg bw/day      |  |
| Consumer            | Human - dermal                 | Long term, systemic effects  | DNEL | 0,1  | mg/kg bw/day      |  |
| Consumer            | Human - inhalation             | Long term, systemic effects  | DNEL | 0,7  | mg/m <sup>3</sup> |  |
| Consumer            | Human - oral                   | Long term, systemic effects  | DNEL | 0,1  | mg/kg bw/day      |  |
| Consumer            | Human - inhalation             | Short term, systemic effects | DNEL | 93,4 | mg/m <sup>3</sup> |  |
| Workers / employees | Human - dermal                 | Long term, systemic effects  | DNEL | 0,2  | mg/kg bw/day      |  |
| Workers / employees | Human - inhalation             | Long term, systemic effects  | DNEL | 2,6  | mg/m <sup>3</sup> |  |
| Workers / employees | Human - inhalation             | Short term, systemic effects | DNEL | 4,9  | mg/m <sup>3</sup> |  |

| <b>N-(3-(trimethoxysilyl)propyl)ethylenediamine</b> |   |                             |                   |              |                   |             |
|---|---|-----------------------------|-------------------|--------------|-------------------|-------------|
| <b>Area of application</b>                          | <b>Exposure route / Environmental compartment</b> | <b>Effect on health</b>     | <b>Descriptor</b> | <b>Value</b> | <b>Unit</b>       | <b>Note</b> |
|   | Environment - freshwater                          |                             | PNEC              | 0,062        | mg/l              |             |
|   | Environment - marine                              |                             | PNEC              | 0,0062       | mg/m <sup>3</sup> |             |
|   | Environment - sporadic (intermittent) release     |                             | DNEL              | 0,62         | mg/l              |             |
| Consumer  | Human - oral                                      | Long term, systemic effects | DNEL              | 2,5          | mg/kg bw/day      |             |



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|                     |                    |                             |      |      |                   |  |
|---------------------|--------------------|-----------------------------|------|------|-------------------|--|
| Consumer            | Human - inhalation | Long term, systemic effects | DNEL | 8,7  | mg/m <sup>3</sup> |  |
| Consumer            | Human - dermal     | Long term, systemic effects | DNEL | 2,5  | mg/kg bw/day      |  |
| Workers / employees | Human - inhalation | Long term, systemic effects | DNEL | 35,5 | mg/m <sup>3</sup> |  |
| Workers / employees | Human - dermal     | Long term, systemic effects | DNEL | 5    | mg/kg bw/day      |  |

| <b>Calcium carbonate</b>   |   |                              |                   |              |                   |             |
|----------------------------|---|------------------------------|-------------------|--------------|-------------------|-------------|
| <b>Area of application</b> | <b>Exposure route / Environmental compartment</b> | <b>Effect on health</b>      | <b>Descriptor</b> | <b>Value</b> | <b>Unit</b>       | <b>Note</b> |
|                            | Environment - sewage treatment plant              |                              | PNEC              | 100          | mg/l              |             |
| Consumer                   | Human - oral                                      | Long term, systemic effects  | DNEL              | 6,1          | mg/kg bw/day      |             |
| Consumer                   | Human - inhalation                                | Long term, systemic effects  | DNEL              | 10           | mg/m <sup>3</sup> |             |
| Consumer                   | Human - inhalation                                | Long term, local effects     | DNEL              | 1,06         | mg/m <sup>3</sup> |             |
| Consumer                   | Human - oral                                      | Short term, systemic effects | DNEL              | 6,1          | mg/kg bw/day      |             |
| Workers / employees        | Human - inhalation                                | Long term, local effects     | DNEL              | 4,26         | mg/m <sup>3</sup> |             |
| Workers / employees        | Human - inhalation                                | Long term, systemic effects  | DNEL              | 10           | mg/m <sup>3</sup> |             |

| <b>Methanol</b>            |  |                          |                   |              |                   |             |
|----------------------------|--|--------------------------|-------------------|--------------|-------------------|-------------|
| <b>Area of application</b> | <b>Exposure route / Environmental compartment</b>    | <b>Effect on health</b>  | <b>Descriptor</b> | <b>Value</b> | <b>Unit</b>       | <b>Note</b> |
|                            | Environment - freshwater                             |                          | PNEC              | 154          | mg/l              |             |
|                            | Environment - marine                                 |                          | PNEC              | 15,4         | mg/l              |             |
|                            | Environment - sediment, freshwater                   |                          | PNEC              | 570,4        | mg/kg             |             |
|                            | Environment - sediment, marine                       |                          | PNEC              | 57,04        | mg/kg             |             |
|                            | Environment - soil                                   |                          | PNEC              | 23,5         | mg/kg             |             |
|                            | Environment - water, sporadic (intermittent) release |                          | PNEC              | 1540         | mg/l              |             |
|                            | Environment - sewage treatment plant                 |                          | PNEC              | 100          | mg/l              |             |
| Consumer                   | Human - inhalation                                   | Long term, local effects | DNEL              | 50           | mg/m <sup>3</sup> |             |





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|                     |                    |                              |      |     |                        |  |
|---------------------|--------------------|------------------------------|------|-----|------------------------|--|
| Consumer            | Human - inhalation | Short term, local effects    | DNEL | 50  | mg/m <sup>3</sup>      |  |
| Consumer            | Human - dermal     | Short term, systemic effects | DNEL | 8   | mg/kg body weight/d ay |  |
| Consumer            | Human - inhalation | Short term, systemic effects | DNEL | 50  | mg/m <sup>3</sup>      |  |
| Consumer            | Human - oral       | Short term, systemic effects | DNEL | 8   | mg/kg body weight/d ay |  |
| Consumer            | Human - dermal     | Long term, systemic effects  | DNEL | 8   | mg/kg body weight/d ay |  |
| Consumer            | Human - inhalation | Long term, systemic effects  | DNEL | 50  | mg/m <sup>3</sup>      |  |
| Consumer            | Human - oral       | Long term, systemic effects  | DNEL | 8   | mg/kg body weight/d ay |  |
| Workers / employees | Human - dermal     | Short term, systemic effects | DNEL | 40  | mg/kg body weight/d ay |  |
| Workers / employees | Human - inhalation | Short term, systemic effects | DNEL | 260 | mg/m <sup>3</sup>      |  |
| Workers / employees | Human - inhalation | Short term, local effects    | DNEL | 260 | mg/m <sup>3</sup>      |  |
| Workers / employees | Human - dermal     | Long term, systemic effects  | DNEL | 40  | mg/kg body weight/d ay |  |
| Workers / employees | Human - inhalation | Long term, systemic effects  | DNEL | 260 | mg/m <sup>3</sup>      |  |
| Workers / employees | Human - inhalation | Long term, local effects     | DNEL | 260 | mg/m <sup>3</sup>      |  |



WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany).

(8) = Inhalable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (9) = Respirable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (11) = Inhalable fraction (Directive 2004/37/CE). (12) = Inhalable fraction. Respirable fraction in those Member States that implement, on the date of the entry into force of this Directive, a biomonitoring system with a biological limit value not exceeding 0,002 mg Cd/g creatinine in urine (Directive 2004/37/CE). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period).

(8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU).

(10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.



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\*\* = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

(13) = The substance can cause sensitisation of the skin and of the respiratory tract (Directive 2004/37/CE), (14)

= The substance can cause sensitisation of the skin (Directive 2004/37/CE).

## **8.2 Exposure controls**

### **8.2.1 Appropriate engineering controls**

Ensure good ventilation. This can be achieved by local suction or general air extraction.

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.

These are specified by e.g. EN 14042.

EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

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

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:

If there is a risk of contact with the eyes or while

decanting:

Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:

Chemical resistant protective gloves (EN ISO 374).

Recommended

Protective gloves in butyl rubber (EN ISO 374).

Protective Neoprene® / polychloroprene gloves (EN ISO 374).

Protective nitrile gloves (EN ISO 374).

Minimum layer thickness in mm:

> 0,7

Permeation time (penetration time) in minutes:

> 480

Protective hand cream recommended.

The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions.

The recommended maximum wearing time is 50% of breakthrough time.

Skin protection - Other:

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection:

Normally not necessary.

If air supply is not sufficient, wear protective breathing apparatus.

Filter A P2 (EN 14387), code colour brown, white



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Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:

Not applicable

Additional information on hand protection - No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.

Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

### 8.2.3 Environmental exposure controls

No information available at present.

---

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|   |  |
|---|--|
| Physical state:   | Paste, solid.  |
| Colour:   | White  |
| Odour:  | Slightly   |
| Melting point/freezing point:                             | There is no information available on this parameter. |
| Boiling point or initial boiling point and boiling range: | There is no information available on this parameter. |
| Flammability:   | Flammable  |
| Lower explosion limit:                                    | Does not apply to solids.                            |
| Upper explosion limit:                                    | Does not apply to solids.                            |
| Flash point:  | >60 °C   |
| Auto-ignition temperature:                                | Does not apply to solids.                            |
| Decomposition temperature:                                | There is no information available on this parameter. |
| pH:   | Mixture is non-soluble (in water).                   |
| Kinematic viscosity:                                      | >21 mm <sup>2</sup> /s                               |
| Solubility:   | Insoluble  |
| Partition coefficient n-octanol/water (log value):        | Does not apply to mixtures.                          |
| Vapour pressure:  | There is no information available on this parameter. |
| Density and/or relative density:                          | 1,54 g/ml  |
| Relative vapour density:                                  | Does not apply to solids.                            |

### 9.2 Other information

|                   |  |
|-------------------|--|
| Explosives:       | There is no information available on this parameter. |
| Oxidizing solids: | There is no information available on this parameter. |

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity



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The product has not been tested.

**10.2 Chemical stability**

Stable with proper storage and handling.

**10.3 Possibility of hazardous reactions**

No dangerous reactions are known.

**10.4 Conditions to avoid**

None known

**10.5 Incompatible materials**

None known

**10.6 Hazardous decomposition products**

No decomposition when used as directed.

**SECTION 11: Toxicological information**

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

Possibly more information on health effects, see Section 2.1 (classification).

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|---|----------|-------|---------|------------|-------------------------------|---------------------------|
| Toxicity / effect   | Endpoint | Value | Unit    | Organism   | Test method                   | Notes                     |
| Acute toxicity, by oral route:                                |          |       |         |            |                               | n.d.a.                    |
| Acute toxicity, by dermal route:                              |          |       |         |            |                               | n.d.a.                    |
| Acute toxicity, by inhalation:                                | ATE      | >5    | mg/l/4h |            |                               | Aerosol, calculated value |
| Acute toxicity, by inhalation:                                | ATE      | >20   | mg/l/4h |            |                               | Vapours, calculated value |
| Skin corrosion/irritation:                                    |          |       |         |            |                               | n.d.a.                    |
| Serious eye damage/irritation:                                |          |       |         |            |                               | n.d.a.                    |
| Respiratory or skin sensitisation:                            |          |       |         | Guinea pig | OECD 406 (Skin Sensitisation) | Not sensitising           |
| Germ cell mutagenicity:                                       |          |       |         |            |                               | n.d.a.                    |
| Carcinogenicity:  |          |       |         |            |                               | n.d.a.                    |
| Reproductive toxicity:  |          |       |         |            |                               | n.d.a.                    |
| Specific target organ toxicity - single exposure (STOT-SE):   |          |       |         |            |                               | n.d.a.                    |
| Specific target organ toxicity - repeated exposure (STOT-RE): |          |       |         |            |                               | n.d.a.                    |
| Aspiration hazard:  |          |       |         |            |                               | n.d.a.                    |
| Symptoms:   |          |       |         |            |                               | n.d.a.                    |

| Trimethoxyvinylsilane |          |       |      |          |             |       |
|-----------------------|----------|-------|------|----------|-------------|-------|
| Toxicity / effect     | Endpoint | Value | Unit | Organism | Test method | Notes |



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|   |       |       |        |                        |  |  |
|---|-------|-------|--------|------------------------|--|--|
| Acute toxicity, by oral route:  | LD50  | 7120  | mg/kg  | Rat                    | OECD 401 (Acute Oral Toxicity)   |  |
| Acute toxicity, by inhalation:  | LD50  | 2773  | ppm/4h | Rat                    | OECD 403 (Acute Inhalation Toxicity)   | Aerosol  |
| Skin corrosion/irritation:  |       |       |        | Rabbit                 | OECD 404 (Acute Dermal Irritation/Corrosion)   | Slightly irritant  |
| Serious eye damage/irritation:  |       |       |        | Rabbit                 | OECD 405 (Acute Eye Irritation/Corrosion)  | Not irritant   |
| Respiratory or skin sensitisation:                                      |       |       |        | Guinea pig             | OECD 406 (Skin Sensitisation)  | Skin Sens. 1B  |
| Germ cell mutagenicity:   |       |       |        |                        | OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)  | Negative   |
| Germ cell mutagenicity:   |       |       |        | Mouse                  | OECD 474 (Mammalian Erythrocyte Micronucleus Test)   | Negative   |
| Germ cell mutagenicity:   |       |       |        | Salmonella typhimurium | OECD 471 (Bacterial Reverse Mutation Test)   | Negative   |
| Carcinogenicity:  |       |       |        |                        |  | Negative   |
| Symptoms:   |       |       |        |                        |  | drowsiness, dizziness, nausea, abdominal pain, breathing difficulties, visual disturbances |
| Specific target organ toxicity - repeated exposure (STOT-RE), oral:     | NOAEL | 62,5  | mg/kg  | Rat                    | OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Development Tox. Screening Test) | Target organ(s): bladder   |
| Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.: | NOAEC | 0,058 | mg/l   | Rat                    | OECD 413 (Subchronic Inhalation Toxicity - 90-Day Study)   | Vapours  |

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| <b>N-(3-(trimethoxysilyl)propyl)ethylenediamine</b> |                 |              |             |                 |  |   |
|---|-----------------|--------------|-------------|-----------------|--|---|
| <b>Toxicity / effect</b>                            | <b>Endpoint</b> | <b>Value</b> | <b>Unit</b> | <b>Organism</b> | <b>Test method</b>                           | <b>Notes</b>  |
| Acute toxicity, by oral route:                      | LD50            | 2413         | mg/kg       | Rat             |  |   |
| Acute toxicity, by dermal route:                    | LD50            | >2000        | mg/kg       | Rabbit          |  |   |
| Acute toxicity, by inhalation:                      | LC50            | 1,49-2,44    | mg/l/4h     |                 |  | Aerosol   |
| Skin corrosion/irritation:                          |                 |              |             | Rabbit          | OECD 404 (Acute Dermal Irritation/Corrosion) | Not irritant  |
| Serious eye damage/irritation:                      |                 |              |             | Rabbit          | OECD 405 (Acute Eye Irritation/Corrosion)    | Eye Dam. 1  |
| Respiratory or skin sensitisation:                  |                 |              |             |                 | OECD 406 (Skin Sensitisation)                | Sensitising (skin contact)  |
| Symptoms:   |                 |              |             |                 |  | respiratory distress, abdominal pain, unconsciousness, vomiting, coughing, headaches, mucous membrane irritation, dizziness |

| <b>N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine</b> |                 |              |             |                 |   |              |
|--|-----------------|--------------|-------------|-----------------|---|--------------|
| <b>Toxicity / effect</b>                                 | <b>Endpoint</b> | <b>Value</b> | <b>Unit</b> | <b>Organism</b> | <b>Test method</b>  | <b>Notes</b> |
| Acute toxicity, by oral route:                           | LD50            | 200-2000     | mg/kg       | Rat             | OECD 423 (Acute Oral Toxicity - Acute Toxic Class Method) |              |
| Acute toxicity, by dermal route:                         | LD50            | >5000        | mg/kg       | Rabbit          |   |              |
| Skin corrosion/irritation:                               |                 |              |             | Rabbit          | OECD 404 (Acute Dermal Irritation/Corrosion)              | Irritant     |
| Serious eye damage/irritation:                           |                 |              |             | Rabbit          | OECD 405 (Acute Eye Irritation/Corrosion)                 | Eye Dam. 1   |

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|                                    |  |  |  |            |  |             |
|------------------------------------|--|--|--|------------|--|-------------|
| Respiratory or skin sensitisation: |  |  |  | Guinea pig |  | Sensitising |
|------------------------------------|--|--|--|------------|--|-------------|

| <b>Calcium carbonate</b>           |                 |              |             |                 |  |                                   |
|------------------------------------|-----------------|--------------|-------------|-----------------|--|-----------------------------------|
| <b>Toxicity / effect</b>           | <b>Endpoint</b> | <b>Value</b> | <b>Unit</b> | <b>Organism</b> | <b>Test method</b>   | <b>Notes</b>                      |
| Acute toxicity, by oral route:     | LD50            | >2000        | mg/kg       | Rat             | OECD 420 (Acute Oral toxicity - Fixe Dose Procedure)   |                                   |
| Acute toxicity, by dermal route:   | LD50            | >2000        | mg/kg       | Rat             | OECD 402 (Acute Dermal Toxicity)   |                                   |
| Acute toxicity, by inhalation:     | LC50            | >3           | mg/l/4h     | Rat             | OECD 403 (Acute Inhalation Toxicity)   |                                   |
| Skin corrosion/irritation:         |                 |              |             | Rabbit          | OECD 404 (Acute Dermal Irritation/Corrosion)   | Not irritant                      |
| Serious eye damage/irritation:     |                 |              |             | Rabbit          | OECD 405 (Acute Eye Irritation/Corrosion)  | Not irritant                      |
| Respiratory or skin sensitisation: |                 |              |             | Mouse           | OECD 429 (Skin Sensitisation - Local Lymph Node Assay)   | No (skin contact)                 |
| Germ cell mutagenicity:            |                 |              |             |                 | OECD 471 (Bacterial Reverse Mutation Test)   | Negative                          |
| Germ cell mutagenicity:            |                 |              |             |                 | OECD 473 (In Vitro Mammalian Chromosome Aberration Test)   | Negative                          |
| Germ cell mutagenicity:            |                 |              |             |                 | OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)  | Negative                          |
| Carcinogenicity:                   |                 |              |             |                 |  | No indications of such an effect. |
| Reproductive toxicity:             | NOEL            | 1000         | mg/kg bw/d  | Rat             | OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Development Tox. Screening Test) |                                   |

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|   |       |       |            |     |  |                                   |
|---|-------|-------|------------|-----|--|-----------------------------------|
| Specific target organ toxicity - single exposure (STOT-SE):             |       |       |            |     |  | No indications of such an effect. |
| Specific target organ toxicity - repeated exposure (STOT-RE):           |       |       |            |     |  | No indications of such an effect. |
| Aspiration hazard:  |       |       |            |     |  | No                                |
| Specific target organ toxicity - repeated exposure (STOT-RE), oral:     | NOAEL | 1000  | mg/kg bw/d | Rat | OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Development Tox. Screening Test) |                                   |
| Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.: | NOAEC | 0,212 | mg/l       | Rat | OECD 413 (Subchronic Inhalation Toxicity - 90-Day Study)   |                                   |

| <b>Methanol</b>                    |                 |              |             |                        |  |   |
|------------------------------------|-----------------|--------------|-------------|------------------------|--|---|
| <b>Toxicity / effect</b>           | <b>Endpoint</b> | <b>Value</b> | <b>Unit</b> | <b>Organism</b>        | <b>Test method</b>                                 | <b>Notes</b>                              |
| Acute toxicity, by oral route:     | ATE             | 300          | mg/kg       | Human being            |  | Experiences on persons.                   |
| Acute toxicity, by dermal route:   | LD50            | 17100        | mg/kg       | Rabbit                 |  | Does not conform with EU classification.  |
| Acute toxicity, by inhalation:     | LC50            | 85           | mg/l/4h     | Rat                    |  | Not relevant for classification., Vapours |
| Serious eye damage/irritation:     |                 |              |             | Rabbit                 | OECD 405 (Acute Eye Irritation/Corrosion)          | Not irritant                              |
| Respiratory or skin sensitisation: |                 |              |             | Guinea pig             | OECD 406 (Skin Sensitisation)                      | No (skin contact)                         |
| Germ cell mutagenicity:            |                 |              |             | Salmonella typhimurium | OECD 471 (Bacterial Reverse Mutation Test)         | Negative                                  |
| Germ cell mutagenicity:            |                 |              |             | Mouse                  | OECD 474 (Mammalian Erythrocyte Micronucleus Test) | Negative                                  |





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|   |       |      |      |       |  |   |
|---|-------|------|------|-------|--|---|
| Carcinogenicity:  |       |      |      | Mouse | OECD 453 (Combined Chronic Toxicity/Carcinogenicity Studies) | Negative  |
| Reproductive toxicity:  | NOAEL | 1,3  | mg/l | Mouse | OECD 416 (Two-generation Reproduction Toxicity Study)        |   |
| Specific target organ toxicity - repeated exposure (STOT-RE): | NOAEL | 0,13 | mg/l | Rat   | OECD 453 (Combined Chronic Toxicity/Carcinogenicity Studies) |   |
| Symptoms:   |       |      |      |       |  | abdominal pain, vomiting, headaches, gastrointestinal disturbances, drowsiness, visual disturbances, watering eyes, nausea, mental confusion, intoxication, dizziness |

### 11.2. Information on other hazards

| Tacolit Power 290 ml<br>Art.: 9008257 |          |       |      |          |             |   |
|---------------------------------------|----------|-------|------|----------|-------------|---|
| Toxicity / effect                     | Endpoint | Value | Unit | Organism | Test method | Notes   |
| Endocrine disrupting properties:      |          |       |      |          |             | Does not apply to mixtures.   |
| Other information:                    |          |       |      |          |             | No other relevant information available on adverse effects on health. |

## SECTION 12: Ecological information



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Possibly more information on environmental effects, see Section 2.1 (classification).

| <b>Tacolit Power 290 ml</b>              |                 |             |              |             |                 |                    |   |
|--|-----------------|-------------|--------------|-------------|-----------------|--------------------|---|
| <b>Art.: 9008257</b>                     |                 |             |              |             |                 |                    |   |
| <b>Toxicity / effect</b>                 | <b>Endpoint</b> | <b>Time</b> | <b>Value</b> | <b>Unit</b> | <b>Organism</b> | <b>Test method</b> | <b>Notes</b>  |
| 12.1. Toxicity to fish:                  |                 |             |              |             |                 |                    | n.d.a.  |
| 12.1. Toxicity to daphnia:               |                 |             |              |             |                 |                    | n.d.a.  |
| 12.1. Toxicity to algae:                 |                 |             |              |             |                 |                    | n.d.a.  |
| 12.2. Persistence and degradability:     |                 |             |              |             |                 |                    | n.d.a.  |
| 12.3. Bioaccumulative potential:         |                 |             |              |             |                 |                    | n.d.a.  |
| 12.4. Mobility in soil:                  |                 |             |              |             |                 |                    | n.d.a.  |
| 12.5. Results of PBT and vPvB assessment |                 |             |              |             |                 |                    | n.d.a.  |
| 12.6. Endocrine disrupting properties:   |                 |             |              |             |                 |                    | Does not apply to mixtures.   |
| 12.7. Other adverse effects:             |                 |             |              |             |                 |                    | No information available on other adverse effects on the environment. |
| Other information:                       |                 |             |              |             |                 |                    | DOC-elimination degree(comp lexing organic substance)>= 80%/28d: n.a. |

| <b>Trimethoxyvinylsilane</b> |                 |             |              |             |                     |  |              |
|------------------------------|-----------------|-------------|--------------|-------------|---------------------|--|--------------|
| <b>Toxicity / effect</b>     | <b>Endpoint</b> | <b>Time</b> | <b>Value</b> | <b>Unit</b> | <b>Organism</b>     | <b>Test method</b>                               | <b>Notes</b> |
| 12.1. Toxicity to fish:      | LC50            | 96h         | 191          | mg/l        | Oncorhynchus mykiss | OECD 203 (Fish, Acute Toxicity Test)             |              |
| 12.1. Toxicity to daphnia:   | EC50            | 48h         | 169          | mg/l        | Daphnia magna       | OECD 202 (Daphnia sp. Acute Immobilisation Test) |              |



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|  |           |     |       |      |                           |  |                                     |
|--|-----------|-----|-------|------|---------------------------|--|-------------------------------------|
| 12.1. Toxicity to daphnia:               | NOEC/NOEL | 21d | 28    | mg/l | Daphnia magna             | OECD 211 (Daphnia magna Reproduction Test)   |                                     |
| 12.1. Toxicity to algae:                 | EC50      | 72h | >100  | mg/l | Selenastrum capricornutum | OECD 201 (Alga, Growth Inhibition Test)  |                                     |
| 12.1. Toxicity to algae:                 | NOEC/NOEL | 72h | 25    | mg/l | Selenastrum capricornutum |  |                                     |
| 12.2. Persistence and degradability:     | BOD       | 28d | 51    | %    |                           | OECD 301 F (Ready Biodegradability - Manometric Respirometry Test)                       | Not readily biodegradable           |
| 12.2. Persistence and degradability:     |           | 28d | 51    | %    |                           | OECD 301 F (Ready Biodegradability - Manometric Respirometry Test)                       | Readily biodegradable               |
| Toxicity to bacteria:                    | EC50      | 3h  | >2500 | mg/l | activated sludge          | OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) |                                     |
| 12.5. Results of PBT and vPvB assessment |           |     |       |      |                           |  | No PBT substance, No vPvB substance |

| <b>N-(3-(trimethoxysilyl)propyl)ethylenediamine</b> |          |      |       |      |                     |             |                           |
|---|----------|------|-------|------|---------------------|-------------|---------------------------|
| Toxicity / effect                                   | Endpoint | Time | Value | Unit | Organism            | Test method | Notes                     |
| 12.1. Toxicity to fish:                             | LC50     | 96h  | 168   | mg/l | Pimephales promelas |             |                           |
| 12.1. Toxicity to daphnia:                          | EC50     | 72h  | 87,4  | mg/l | Daphnia magna       |             |                           |
| 12.2. Persistence and degradability:                |          |      |       |      |                     |             | Not readily biodegradable |
| Toxicity to bacteria:                               | EC50     |      | 435   | mg/l | activated sludge    |             |                           |



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| <b>N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine</b> |                 |             |              |             |                         |  |                                     |
|--|-----------------|-------------|--------------|-------------|-------------------------|--|-------------------------------------|
| <b>Toxicity / effect</b>                                 | <b>Endpoint</b> | <b>Time</b> | <b>Value</b> | <b>Unit</b> | <b>Organism</b>         | <b>Test method</b>   | <b>Notes</b>                        |
| 12.1. Toxicity to fish:                                  | LC50            | 96h         | 168          | mg/l        | Pimephales promelas     | OECD 203 (Fish, Acute Toxicity Test)   |                                     |
| 12.1. Toxicity to daphnia:                               | EC50            | 48h         | >100         | mg/l        | Daphnia magna           | OECD 202 (Daphnia sp. Acute Immobilisation Test)   |                                     |
| 12.1. Toxicity to algae:                                 | EC50            | 72h         | 110          | mg/l        | Desmodesmus subspicatus | OECD 201 (Alga, Growth Inhibition Test)  |                                     |
| 12.2. Persistence and degradability:                     |                 |             | 50           | %           |                         | OECD 301 A (Ready Biodegradability - DOC Die-Away Test)                                  |                                     |
| 12.3. Bioaccumulative potential:                         | Log Kow         |             | -0,42        |             |                         |  |                                     |
| 12.5. Results of PBT and vPvB assessment                 |                 |             |              |             |                         |  | No PBT substance, No vPvB substance |
| Toxicity to bacteria:                                    | EC50            |             | 435          | mg/l        |                         | OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) |                                     |

| <b>Calcium carbonate</b> |                 |             |              |             |                     |                                      |  |
|--------------------------|-----------------|-------------|--------------|-------------|---------------------|--------------------------------------|--|
| <b>Toxicity / effect</b> | <b>Endpoint</b> | <b>Time</b> | <b>Value</b> | <b>Unit</b> | <b>Organism</b>     | <b>Test method</b>                   | <b>Notes</b>   |
| 12.1. Toxicity to fish:  | LC50            | 96h         |              |             | Oncorhynchus mykiss | OECD 203 (Fish, Acute Toxicity Test) | No observation with saturated solution of test material. |



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|  |           |     |       |          |                         |  |  |
|--|-----------|-----|-------|----------|-------------------------|--|--|
| 12.1. Toxicity to daphnia:               | EC50      | 48h |       |          | Daphnia magna           | OECD 202 (Daphnia sp. Acute Immobilisation Test)   | No observation with saturated solution of test material. |
| 12.1. Toxicity to algae:                 | EC50      | 72h | >14   | mg/l     | Desmodesmus subspicatus | OECD 201 (Alga, Growth Inhibition Test)  |  |
| 12.1. Toxicity to algae:                 | NOEC/NOEL | 72h | 14    | mg/l     | Desmodesmus subspicatus | OECD 201 (Alga, Growth Inhibition Test)  |  |
| 12.2. Persistence and degradability:     |           |     |       |          |                         |  | Not relevant for inorganic substances.                   |
| 12.3. Bioaccumulative potential:         |           |     |       |          |                         |  | Not to be expected                                       |
| 12.4. Mobility in soil:                  |           |     |       |          |                         |  | n.a.   |
| 12.5. Results of PBT and vPvB assessment |           |     |       |          |                         |  | No PBT substance, No vPvB substance                      |
| Toxicity to bacteria:                    | EC50      | 3h  | >1000 | mg/l     | activated sludge        | OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) |  |
| Toxicity to bacteria:                    | NOEC/NOEL | 3h  | 1000  | mg/l     | activated sludge        | OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) |  |
| Other organisms:                         | EC50      | 21d | >1000 | mg/kg dw |                         | OECD 208 (Terrestrial Plants, Growth Test)   | Glycine max  |



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|                   |            |     |        |          |                 |   |                         |
|-------------------|------------|-----|--------|----------|-----------------|---|-------------------------|
| Other organisms:  | EC50       | 21d | >1000  | mg/kg dw |                 | OECD 208 (Terrestrial Plants, Growth Test)                    | Lycopersicon esculentum |
| Other organisms:  | EC50       | 21d | >1000  | mg/kg dw |                 | OECD 208 (Terrestrial Plants, Growth Test)                    | Avena sativa            |
| Other organisms:  | NOEC/NO EL | 21d | 1000   | mg/kg dw |                 | OECD 208 (Terrestrial Plants, Growth Test)                    | Glycine max             |
| Other organisms:  | NOEC/NO EL | 21d | 1000   | mg/kg dw |                 | OECD 208 (Terrestrial Plants, Growth Test)                    | Lycopersicon esculentum |
| Other organisms:  | NOEC/NO EL | 21d | 1000   | mg/kg dw |                 | OECD 208 (Terrestrial Plants, Growth Test)                    | Avena sativa            |
| Other organisms:  | EC50       | 14d | >1000  | mg/kg dw | Eisenia foetida | OECD 207 (Earthworm, Acute Toxicity Tests)                    |                         |
| Other organisms:  | NOEC/NO EL | 14d | 1000   | mg/kg dw | Eisenia foetida | OECD 207 (Earthworm, Acute Toxicity Tests)                    |                         |
| Other organisms:  | EC50       | 28d | >1000  | mg/kg dw |                 | OECD 216 (Soil Microorganisms - Nitrogen Transformation Test) |                         |
| Other organisms:  | NOEC/NO EL | 28d | 1000   | mg/kg dw |                 | OECD 216 (Soil Microorganisms - Nitrogen Transformation Test) |                         |
| Water solubility: |            |     | 0,0166 | g/l      |                 | OECD 105 (Water Solubility)                                   | 20°C                    |

#### Methanol

| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
|-------------------|----------|------|-------|------|----------|-------------|-------|
|-------------------|----------|------|-------|------|----------|-------------|-------|



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|  |         |     |       |      |                                 |  |                                     |
|--|---------|-----|-------|------|---------------------------------|--|-------------------------------------|
| 12.5. Results of PBT and vPvB assessment |         |     |       |      |                                 |  | No PBT substance, No vPvB substance |
| 12.1. Toxicity to fish:                  | LC50    | 96h | 15400 | mg/l | Lepomis macrochirus             |  | EPA-660/3-75-009                    |
| 12.1. Toxicity to daphnia:               | EC50    | 96h | 18260 | mg/l | Daphnia magna                   | OECD 202 (Daphnia sp. Acute Immobilisation Test)   |                                     |
| 12.1. Toxicity to algae:                 | EC50    | 96h | 22000 | mg/l | Pseudokirchneriella subcapitata | OECD 201 (Alga, Growth Inhibition Test)  |                                     |
| 12.2. Persistence and degradability:     |         | 28d | 99    | %    |                                 | OECD 301 D (Ready Biodegradability - Closed Bottle Test)                                 | Readily biodegradable               |
| 12.3. Bioaccumulative potential:         | BCF     |     | 28400 |      | Chlorella vulgaris              |  | Not to be expected                  |
| Toxicity to bacteria:                    | IC50    | 3h  | >1000 | mg/l | activated sludge                | OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) |                                     |
| Other information:                       | Log Pow |     | -0,77 |      |                                 |  |                                     |
| Other information:                       | DOC     |     | <70   | %    |                                 |  |                                     |
| Other information:                       | BOD     |     | >60   | %    |                                 |  |                                     |

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### For the substance / mixture / residual amounts

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)

08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.



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E.g. suitable incineration plant.

E.g. dispose at suitable refuse site.

**For contaminated packing material**

Pay attention to local and national official regulations.

Empty container completely.

Uncontaminated packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

15 01 02 plastic packaging

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## SECTION 14: Transport information

### General statements

14.1. UN number or ID number: n.a.

### Transport by road/by rail (ADR/RID)

14.2. UN proper shipping name:

14.3. Transport hazard class(es): n.a.

14.4. Packing group: n.a.

Classification code: n.a.

LQ: n.a.

14.5. Environmental hazards: Not applicable

Tunnel restriction code:

### Transport by sea (IMDG-code)

14.2. UN proper shipping name:

14.3. Transport hazard class(es): n.a.

14.4. Packing group: n.a.

Marine Pollutant: n.a.

14.5. Environmental hazards: Not applicable

### Transport by air (IATA)

14.2. UN proper shipping name:

14.3. Transport hazard class(es): n.a.

14.4. Packing group: n.a.

14.5. Environmental hazards: Not applicable

### 14.6. Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

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

Non-dangerous material according to Transport Regulations.

---

## SECTION 15: Regulatory information

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

Observe restrictions:

Comply with national regulations/laws governing maternity protection (national implementation of the Directive 92/85/EEC)!

General hygiene measures for the handling of chemicals are applicable.

Regulation (EU) No 649/2012 'concerning the export and import of hazardous chemicals' must be adhered to, as the product contains a substance that falls within the scope of this Regulation.

Directive 2010/75/EU (VOC): 3,37 %





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## 15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

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## SECTION 16: Other information

Revised sections:

1-16

### Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

Not applicable

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

H226 Flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H411 Toxic to aquatic life with long lasting effects.

Flam. Liq. — Flammable liquid

Acute Tox. — Acute toxicity - inhalation

Skin Sens. — Skin sensitization

Eye Dam. — Serious eye damage

Aquatic Chronic — Hazardous to the aquatic environment - chronic

Acute Tox. — Acute toxicity - oral

Skin Irrit. — Skin irritation

### Key literature references and sources for data:

Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP) as amended.

Guidelines for the preparation of safety data sheets as amended (ECHA).

Guidelines on labelling and packaging according to the Regulation (EG) Nr. 1272/2008 (CLP) as amended (ECHA).

Safety data sheets for the constituent substances.

ECHA Homepage - Information about chemicals.

GESTIS Substance Database (Germany).

German Environment Agency "Rigoletto" information site on substances that are hazardous to water (Germany).

EU Occupation Exposure Limits Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164, (EU) 2019/1831, each as amended.

National Lists of Occupational Exposure Limits for each country as amended.

Regulations on the transport of hazardous goods by road, rail, sea and air (ADR, RID, IMDG, IATA) as amended.

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### Any abbreviations and acronyms used in this document:

acc., acc. to      according, according to



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ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)

AOX Adsorbable organic halogen compounds

approx. approximately

Art., Art. no. Article number

ASTM ASTM International (American Society for Testing and Materials)

ATE Acute Toxicity Estimate

BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)

BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)

BCF Bioconcentration factor

BSEF The International Bromine Council

bw body weight

CAS Chemical Abstracts Service

CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)

CMR carcinogenic, mutagenic, reproductive toxic

DMEL Derived Minimum Effect Level

DNEL Derived No Effect Level

DOC Dissolved organic carbon

dw dry weight

e.g. for example (abbreviation of Latin 'exempli gratia'), for instance

EbCx, EyCx, EbLx (x = 10, 50) Effect Concentration/Level of x % on reduction of the biomass (algae, plants)

EC European Community

ECHA European Chemicals Agency

ECx, ELx (x = 0, 3, 5, 10, 20, 50, 80, 100) Effect Concentration/Level for x % effect

EEC European Economic Community

EINECS European Inventory of Existing Commercial Chemical Substances

ELINCS European List of Notified Chemical Substances

EN European Norms

EPA United States Environmental Protection Agency (United States of America)

ErCx, EμCx, ErLx (x = 10, 50) Effect Concentration/Level of x % on inhibition of the growth rate (algae, plants)

etc. et cetera

EU European Union

EVAL Ethylene-vinyl alcohol copolymer

Fax. Fax number

gen. general

GHS Globally Harmonized System of Classification and Labelling of Chemicals

GWP Global warming potential

Koc Adsorption coefficient of organic carbon in the soil

Kow octanol-water partition coefficient

IARC International Agency for Research on Cancer

IATA International Air Transport Association

IBC (Code) International Bulk Chemical (Code)

IMDG-code International Maritime Code for Dangerous Goods

incl. including, inclusive

IUCLID International Uniform Chemical Information Database

IUPAC International Union for Pure Applied Chemistry

LC50 Lethal Concentration to 50 % of a test population



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LD50 Lethal Dose to 50% of a test population (Median Lethal Dose)

Log Koc Logarithm of adsorption coefficient of organic carbon in the soil

Log Kow, Log Pow Logarithm of octanol-water partition coefficient

LQ Limited Quantities

MARPOL International Convention for the Prevention of Marine Pollution from Ships

n.a. not applicable

n.av. not available

n.c. not checked

n.d.a. no data available

NIOSH National Institute for Occupational Safety and Health (USA)

NLP No-longer-Polymer

NOEC, NOEL No Observed Effect Concentration/Level

OECD Organisation for Economic Co-operation and Development

org. organic

OSHA Occupational Safety and Health Administration (USA)

PBT persistent, bioaccumulative and toxic

PE Polyethylene

PNEC Predicted No Effect Concentration

ppm parts per million

PVC Polyvinylchloride

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)

REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.

RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)

SVHC Substances of Very High Concern

Tel. Telephone

TOC Total organic carbon

UN RTDG United Nations Recommendations on the Transport of Dangerous Goods

VOC Volatile organic compounds

vPvB very persistent and very bioaccumulative

wwt wet weight

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The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.