

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Regulation (EC)  
No. 1907/2006 and Regulation (EC) No. 1272/2008



Supersedes Date: 16-Dec-2020

Revision date 01-Apr-2021

## POINT 104

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

#### 1.1 Product identifier

**Product Name:** Point 104  
**Pure substance/mixture** Mixture

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

**Recommended use** Adhesives  
**Uses advised against** None known.

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

**Company Name**  
UAB „TEGRA STATE“  
Kirtimų g. 67  
LT-02244 Vilnius  
Tel./faks. +370 5 266 11 67  
El. p.: info@tegra.lt  
www.tegra.lt, www.tegrastate.lt  
Tel./faks. +370 5 266 11 67  
El. p.: info@tegra.lt

#### 1.4 Emergency telephone number:

**United Kingdom** +44 (1785) 272650  
**Ireland** NPIC - National Poison Information Centre  
Members of the Public: +353 (01) 8092166 (8.00 am to 10.00 pm - 7 days a week)  
Healthcare Professionals: +353 (01) 8092566 (24 hour service)  
**Europe** 112

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

#### 2.2 Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

##### Signal word

None

##### Hazard statements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

##### EU Specific Hazard Statements

EUH208 - Contains Trimethoxyvinylsilane. May produce an allergic reaction

EUH210 - Safety data sheet available on request

#### 2.3. Other hazards

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

##### PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

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### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Not applicable

#### 3.2 Mixtures

| Chemical name                                 | EC No     | CAS No     | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP]                            | Specific concentration limit (SCL) | REACH registration number |
|---|-----------|------------|----------|--|------------------------------------|---------------------------|
| Silica, amorphous                             | 231-545-4 | 7631-86-9  | 1 - <5   | [B]  |                                    | 01-2119379499-16-XXXX     |
| Trimethoxyvinylsilane                         | 220-449-8 | 2768-02-7  | 1 - <3   | Skin Sens. 1B (H317)<br>Acute Tox. 4 (H332)<br>Flam. Liq. 3 (H226)                         |                                    | 01-2119513215-52-XXXX     |
| Titanium dioxide                              | 236-675-5 | 13463-67-7 | 0.1 - <1 | [C]  |                                    | 01-2119489379-17-XXXX     |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate | 258-207-9 | 52829-07-9 | 0.1 - <1 | Eye Dam. 1 (H318)<br>Repr. 2 (H361f)<br>Aquatic Acute 1 (H400)<br>Aquatic Chronic 2 (H411) |                                    | 01-2119537297-32-XXXX     |

#### Full text of H- and EUH-phrases: see section 16

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General advice

Show this safety data sheet to the doctor in attendance. If medical advice is needed, have product container or label at hand.

##### Inhalation

Remove to fresh air. If symptoms persist, call a doctor.

##### Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

##### Skin contact

Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.

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### Ingestion

Call a doctor immediately. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Small amounts of toxic methanol are released by hydrolysis.

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

**Symptoms** None known.

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

#### Note to doctors

Treat symptomatically. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable Extinguishing Media

Water spray, carbon dioxide (CO<sub>2</sub>), dry chemical, alcohol-resistant foam.

#### Unsuitable extinguishing media

Full water jet.

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

#### Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating gases and vapours.

#### Hazardous combustion products

Carbon oxides.

Carbon monoxide.

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

Nitrogen oxides (NO<sub>x</sub>).

Silicon dioxide.

Thermal decomposition can lead to release of irritating and toxic gases and vapours.

### 5.3. Advice for firefighters

#### Special protective equipment and precautions for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

## SECTION 6: Accidental release measures

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

Use personal protective equipment as required. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing.

**For emergency responders** Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

Prevent product from entering drains. Do not allow to enter into soil/subsoil. See Section 12 for additional Ecological Information.

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

#### Methods for containment

Do not scatter spilled material with high pressure water streams.

#### Methods for cleaning up

Take up mechanically, placing in appropriate containers for disposal.

#### Prevention of secondary hazards

Clean contaminated objects and areas thoroughly observing environmental regulations.

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**6.4 Reference to other sections** See section 8 for more information. See section 13 for more information.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Ensure adequate ventilation.

#### General hygiene considerations

Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.

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

##### Storage Conditions

Protect from moisture. Keep away from food, drink and animal feedingstuffs.

##### Recommended storage temperature

Keep at temperatures between 10 and 35 °C.

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

##### Specific use(s)

Adhesive

##### Risk Management Methods (RMM)

The information required is contained in this Safety Data Sheet.

##### Other information

Observe technical data sheet.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure Limits

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing This product contains titanium dioxide in a non-respirable form. Inhalation of titanium dioxide is unlikely to occur from exposure to this product

| Chemical name                  | European Union                             | United Kingdom   |
|--------------------------------|--|--|
| Limestone<br>1317-65-3         |  | TWA: 10 mg/m <sup>3</sup><br>TWA: 4 mg/m <sup>3</sup><br>STEL: 30 mg/m <sup>3</sup><br>STEL: 12 mg/m <sup>3</sup>  |
| Silica, amorphous<br>7631-86-9 | TWA: 0.1 mg/m <sup>3</sup>                 | TWA: 6 mg/m <sup>3</sup><br>TWA: 2.4 mg/m <sup>3</sup><br>TWA: 0.1 mg/m <sup>3</sup><br>STEL: 18 mg/m <sup>3</sup><br>STEL: 7.2 mg/m <sup>3</sup><br>STEL: 0.3 mg/m <sup>3</sup> |
| Methyl alcohol<br>67-56-1      | TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup> | TWA: 200 ppm<br>TWA: 266 mg/m <sup>3</sup><br>STEL: 250 ppm<br>STEL: 333 mg/m <sup>3</sup><br>Sk*  |

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|                                |                |   |   |
|--------------------------------|----------------|---|---|
| Titanium dioxide<br>13463-67-7 |                |   | TWA: 10 mg/m3<br>TWA: 4 mg/m3<br>STEL: 30 mg/m3<br>STEL: 12 mg/m3 |
| Chemical name                  | European Union | Ireland                                 | United Kingdom  |
| Methyl alcohol<br>67-56-1      |                | 15 mg/L (urine - Methanol end of shift) |   |

**Derived No Effect Level (DNEL)** No information available

|   |                |                                |               |
|---|----------------|--------------------------------|---------------|
| <b>Derived No Effect Level (DNEL)</b>                             |                |                                |               |
| <b>Trimethoxyvinylsilane (2768-02-7)</b>                          |                |                                |               |
| Type  | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| worker<br>Systemic health effects<br>Long term                    | Inhalation     | 27,6 mg/m <sup>3</sup>         |               |
| worker<br>Systemic health effects<br>Long term                    | Dermal         | 3,9 mg/kg bw/d                 |               |
| <b>Titanium dioxide (13463-67-7)</b>                              |                |                                |               |
| Type  | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| worker<br>Long term<br>Local health effects                       | Inhalation     | 10 mg/m <sup>3</sup>           |               |
| <b>Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)</b> |                |                                |               |
| Type  | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| worker<br>Short term<br>Long term<br>Systemic health effects      | Inhalation     | 2.82 mg/m <sup>3</sup>         |               |
| worker<br>Long term<br>Systemic health effects                    | Dermal         | 1.6 mg/kg                      |               |
| <b>Derived No Effect Level (DNEL)</b>                             |                |                                |               |
| <b>Trimethoxyvinylsilane (2768-02-7)</b>                          |                |                                |               |
| Type  | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Consumer<br>Systemic health effects<br>Long term                  | Inhalation     | 18,9 mg/m <sup>3</sup>         |               |

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|--|--------|----------------|--|
| Consumer<br>Systemic health effects<br>Long term | Dermal | 7,8 mg/kg bw/d |  |
| Consumer<br>Systemic health effects<br>Long term | Oral   | 0,3 mg/kg bw/d |  |

### Titanium dioxide (13463-67-7)

| Type   | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
|--|----------------|--------------------------------|---------------|
| Consumer<br>Long term<br>Systemic health effects | Oral           | 700 mg/kg bw/d                 |               |

### Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)

| Type   | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
|--|----------------|--------------------------------|---------------|
| Consumer<br>Long term<br>Systemic health effects | Dermal         | 0.8 mg/kg                      |               |
| Consumer<br>Long term<br>Systemic health effects | Oral           | 0.4 mg/kg                      |               |

**Predicted No Effect Concentration** No information available.  
(PNEC)

### Predicted No Effect Concentration (PNEC)

#### Trimethoxyvinylsilane (2768-02-7)

| Environmental compartment          | Predicted No Effect Concentration (PNEC) |
|------------------------------------|--|
| Freshwater                         | 0.34 mg/l                                |
| Marine water                       | 0.034 mg/l                               |
| Microorganisms in sewage treatment | 110 mg/l                                 |

#### Titanium dioxide (13463-67-7)

| Environmental compartment          | Predicted No Effect Concentration (PNEC) |
|------------------------------------|--|
| Marine water                       | 0.0184 mg/l                              |
| Freshwater                         | 0.184 mg/l                               |
| Freshwater sediment                | 1000 mg/kg                               |
| Marine sediment                    | 100 mg/kg                                |
| Soil                               | 100 mg/kg                                |
| Microorganisms in sewage treatment | 100 mg/l                                 |
| Freshwater - intermittent          | 0.193 mg/l                               |

#### Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)

| Environmental compartment | Predicted No Effect Concentration (PNEC) |
|---------------------------|--|
| Freshwater                | 0.018 mg/l                               |

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|                     |             |
|---------------------|-------------|
| Marine water        | 0.0018 mg/l |
| Freshwater sediment | 29 mg/kg    |
| Marine sediment     | 2.9 mg/kg   |
| Soil                | 5.9 mg/kg   |

### 8.2. Exposure controls

#### Engineering controls

Ensure adequate ventilation, especially in confined areas.

#### Personal protective equipment

##### Eye/face protection

Wear safety glasses with side shields (or goggles). Eye protection must conform to standard EN 166.

##### Hand protection

Wear suitable gloves. Recommended Use: Neoprene™. Nitrile rubber. Butyl rubber. Glove thickness > 0.7mm. The breakthrough time for the mentioned glove material is in general greater than 480 min. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Gloves must conform to standard EN 374

##### Skin and body protection

None under normal use conditions.

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection. Wear a respirator conforming to EN 140 with Type A/P2 filter or better. Ensure adequate ventilation, especially in confined areas.

##### Recommended filter type:

Organic gases and vapours filter conforming to EN 14387. White. Brown.

##### Environmental exposure controls

Do not allow uncontrolled discharge of product into the environment.

## SECTION 9: Physical and chemical properties

### 9.1 Informacija apie pagrindines fizines ir chemines savybes

|   |                          |                  |
|---|--------------------------|------------------|
| Physical state                          | Solid                    |                  |
| Appearance                              | Paste                    |                  |
| Colour                                  | White                    |                  |
| Odour                                   | Characteristic           |                  |
| Odour threshold                         | No information available |                  |
| Property                                | Values                   | Remarks • Method |
| pH                                      | .                        |                  |
| pH (as aqueous solution)                | No data available        |                  |
| Melting point / freezing point          | No data available        |                  |
| Initial boiling point and boiling range | No data available        |                  |
| Flash point                             | > 60 °C                  |                  |
| Evaporation rate                        | No data available        |                  |

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|   |                             |
|---|-----------------------------|
| <b>Flammability</b>                           | .                           |
| <b>Flammability Limit in Air</b>              |                             |
| <b>Upper flammability or explosive limits</b> | No data available           |
| <b>Lower flammability or explosive limits</b> | No data available           |
| <b>Vapour pressure</b>                        | No data available           |
| <b>Relative vapour density</b>                | No data available           |
| <b>Relative density</b>                       | No data available           |
| <b>Water solubility</b>                       | Product cures with moisture |
| <b>Solubility(ies)</b>                        | No data available           |
| <b>Partition coefficient</b>                  | No data available           |
| <b>Autoignition temperature</b>               | No data available           |
| <b>Decomposition temperature</b>              | No data available           |
| <b>Kinematic viscosity</b>                    | > 21 mm <sup>2</sup> /s     |
| <b>Dynamic viscosity</b>                      | No data available           |
| <b>Explosive properties</b>                   | No data available           |
| <b>Oxidising properties</b>                   | No data available           |

### 9.2. Other information

|                          |                          |
|--------------------------|--------------------------|
| <b>Solid content (%)</b> | No information available |
| <b>VOC Content (%)</b>   |                          |
| <b>Density</b>           | 1.56 g/cm <sup>3</sup>   |

#### 9.2.1. Information with regards to physical hazard classes

Not applicable

#### 9.2.2. Other safety characteristics

No information available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Product cures with moisture.

### 10.2 Chemical stability

Stable under normal conditions.

#### Explosion data

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

### 10.3 Possibility of hazardous reactions

None under normal processing.

### 10.4 Conditions to avoid

Product cures with moisture. Protect from moisture. Exposure to air or moisture over prolonged periods. Do not freeze. Keep away from open flames, hot surfaces and sources of ignition.

### 10.5 Incompatible materials

None known based on information supplied.

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### 10.6 Hazardous decomposition products

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Product Information

##### Inhalation

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

##### Eye contact

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

##### Skin contact

Based on available data, the classification criteria are not met. May cause sensitisation in susceptible persons.

##### Ingestion

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

#### Symptoms related to the physical, chemical and toxicological characteristics

##### Symptoms

No information available.

#### Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (inhalation-vapour) 377.70 mg/l

#### Component Information

| Chemical name  | Oral LD50                                    | Dermal LD50                              | Inhalation LC50                              |
|--|--|--|--|
| Silica, amorphous                                    | =7900 mg/kg (Rattus)                         | > 5000 mg/kg<br>(Oryctolagus cuniculus)  | >2.2 mg/L (Rattus) 1 h                       |
| Trimethoxyvinylsilane                                | LD50 = 7120 -7236 mg/kg<br>(Rattus) OECD 401 | = 3540 mg/kg<br>(Oryctolagus cuniculus)  | LC50 (4hr) 16.8 mg/l (Rattus)<br>OECD TG 403 |
| Titanium dioxide                                     | >10000 mg/kg (Rattus)                        | LD50 > 5000 mg/Kg                        | = 5.09 mg/L ( Rattus ) 4 h                   |
| Bis(2,2,6,6<br>tetramethyl-4<br>piperi dyl) sebacate | LD50 (Rattus)> 2000 mg/<br>kg OECD 423       | LD50 (Rattus) > 3 170 mg/<br>kg OECD 402 | =500 mg/m3 (Rattus) 4 h                      |

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

##### Skin corrosion/irritation

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

| Trimethoxyvinylsilane (2768-02-7) |         |                |                |               |              |
|-----------------------------------|---------|----------------|----------------|---------------|--------------|
| Method                            | Species | Exposure route | Effective dose | Exposure time | Results      |
|                                   | Rabbit  | Dermal         | 0.5 mL         | 24 hours      | Non-irritant |

| Titanium dioxide (13463-67-7)                               |         |                |                |               |              |
|---|---------|----------------|----------------|---------------|--------------|
| Method  | Species | Exposure route | Effective dose | Exposure time | Results      |
| OECD Test No.<br>404: Acute Dermal<br>Irritation/ Corrosion | Rabbit  | Dermal         |                |               | Non-irritant |

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| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)   |         |                |                |               |              |
|--|---------|----------------|----------------|---------------|--------------|
| Method   | Species | Exposure route | Effective dose | Exposure time | Results      |
| OECD Test No. 404:<br>Acute Dermal<br>Irritation Corrosion   | Rabbit  | Dermal         |                |               | Non-irritant |
| <b>Serious eye damage/eye irritation</b> Based on available data, the classification criteria are not met. |         |                |                |               |              |
| Trimethoxyvinylsilane (2768-02-7)  |         |                |                |               |              |
| Method   | Species | Exposure route | Effective dose | Exposure time | Results      |
| OECD Test No. 405:<br>Acute Eye<br>Irritation/Corrosion  | Rabbit  | eye            |                | 24 hours      | Non-irritant |
| Titanium dioxide (13463-67-7)  |         |                |                |               |              |
| Method   | Species | Exposure route | Effective dose | Exposure time | Results      |
| OECD Test No. 405:<br>Acute Eye<br>Irritation/Corrosion  | Rabbit  | eye            |                |               | Non-irritant |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)   |         |                |                |               |              |
| Method   | Species | Exposure route | Effective dose | Exposure time | Results      |
| OECD Test No. 405:<br>Acute Eye<br>Irritation/Corrosion  | Rabbit  | eye            |                |               | Eye Damage   |

### Respiratory or skin sensitisation

OECD Test No. 406: Skin Sensitisation. No sensitisation responses were observed. No classification is proposed, based on conclusive negative data. May cause sensitisation in susceptible persons.

| Method  | Species    | Exposure route | Results                                  |
|---|------------|----------------|--|
| OECD Test No. 406: Skin Sensitisation                         | Guinea pig | Dermal         | No sensitisation responses were observed |
| Trimethoxyvinylsilane (2768-02-7)                             |            |                |  |
| Method  | Species    | Exposure route | Results                                  |
| OECD Test No. 406: Skin Sensitisation, Buehler test           | Guinea pig | Dermal         | sensitising                              |
| Titanium dioxide (13463-67-7)                                 |            |                |  |
| Method  | Species    | Exposure route | Results                                  |
| OECD Test No. 406: Skin Sensitisation                         | Guinea pig | Dermal         | Not a skin sensitiser                    |
| OECD Test No. 429: Skin Sensitisation: Local Lymph Node Assay | Mouse      | Dermal         | Not a skin sensitiser                    |

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| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9) |            |                |  |
|--|------------|----------------|--|
| Method   | Species    | Exposure route | Results                                  |
| OECD Test No. 406: Skin Sensitisation                      | Guinea pig | Dermal         | No sensitisation responses were observed |

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

### Component Information

| Method   | Species  | Results       |
|--|----------|---------------|
| OECD Test No. 471: Bacterial Reverse Mutation Test | in vitro | Not mutagenic |

### Carcinogenicity

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

### Reproductive toxicity

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

| Trimethoxyvinylsilane (2768-02-7)  |             |                       |
|--|-------------|-----------------------|
| Method   | Species     | Results               |
| OECD Test No. 422: Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test | Rat         | Not Classifiable      |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)   |             |                       |
| Method   | Species     | Results               |
| OECD Test No. 414: Pre-natal Development Toxicity Study  | Rat, Rabbit | reproductive toxicant |

### STOT - single exposure

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

### STOT - repeated exposure

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

| Method   | Species | Exposure route    | Effective dose | Exposure time | Results     |
|--|---------|-------------------|----------------|---------------|-------------|
| OECD Test No. 413: Sub-chronic Inhalation Toxicity: 90-day Study | Rat     | Inhalation vapour |                | 90 days       | 0.058 NOAEL |

### Aspiration hazard

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

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

**Endocrine disrupting properties** No information available.

### 11.2.2. Other information

**Other adverse effects** No information available.

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### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Ecotoxicity

| Chemical name   | Algae/aquatic plants  | Fish   | Toxicity to microorganisms | Crustacea   | M-Factor | M-Factor (long-term) |
|---|---|--|----------------------------|---|----------|----------------------|
| Silica, amorphous<br>7631-86-9                              | EC50:<br>=440mg/L (72h,<br>Pseudo<br>kirchneri<br>ella<br>subcapitata)            | LC50:<br>=5000mg/L<br>(96h,<br>Brachydanio<br>rerio)     |                            | EC50:<br>=7600mg/L<br>(48h,<br>Ceriod<br>aphnia<br>dubia) |          |                      |
| Trimethoxyvinylsilane<br>2768-02-7                          | EC 50 (72h) ><br>957 mg/l<br>(Desmo<br>desmus<br>subspicatus)<br>EU<br>Method C.3 | LC50 (96h) =<br>191 mg/l<br>(Oncor<br>hynchus<br>mykiss) |                            | EC50(48hr)<br>168.7mg/l<br>(Daphnia<br>magna)             |          |                      |
| Titanium dioxide<br>13463-67-7                              | LC50 (96h)<br>>10000 mg/l<br>(Cyprinodon<br>variegatus)<br>OECD 203               |  |                            |   |          |                      |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>52829-07-9 | EC50 72Hr<br>0.705 mg/l<br>(Pseudokirchneriella subcapitata)                      | LC50 (96h) =<br>5.29 mg/l<br>(Oryzias latipes)           |                            | LC50 48Hr<br>8.58 mg/l<br>(Daphnia magna)                 |          |                      |

#### 12.2 Persistence and degradability

No information available.

| Silica, amorphous (7631-86-9)   |               |       |   |
|---|---------------|-------|---|
| Method  | Exposure time | Value | Results   |
|   |               |       | The methods for determining biodegradability are not applicable to inorganic substances |
| Trimethoxyvinylsilane (2768-02-7)   |               |       |   |
| Method  | Exposure time | Value | Results   |
| OECD Test No. 301F: Ready Biodegradability: Manometric Respirometry Test (TG 301 F) | 28 days       | BOD   | 51 % Not readily biodegradable  |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)                          |               |       |   |
| Method  | Exposure time | Value | Results   |

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|   |         |                            |               |
|---|---------|----------------------------|---------------|
| OECD Test No. 303: Simulation Test - Aerobic Sewage Treatment -- A: Activated Sludge Units; B: Biofilms | 28 days | Total organic carbon (TOC) | 24 % Moderate |
|---|---------|----------------------------|---------------|

### 12.3 Bioaccumulative potential

There is no data for this product.  
**Bioaccumulation**

#### Component Information

| Chemical name                                 | Partition coefficient |
|---|-----------------------|
| Trimethoxyvinylsilane                         | 1.1                   |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate | 0.35                  |

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

| Chemical name                                 | PBT and vPvB assessment                                       |
|---|---|
| Silica, amorphous                             | The substance is not PBT / vPvB PBT assessment does not apply |
| Trimethoxyvinylsilane                         | The substance is not PBT / vPvB                               |
| Titanium dioxide                              | The substance is not PBT / vPvB PBT assessment does not apply |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate | The substance is not PBT / vPvB                               |

### 12.6 Other adverse effects

No information available.

### 12.7. Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Waste from residues/unused products

Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

#### Contaminated packaging

Handle contaminated packages in the same way as the product itself.

#### European Waste Catalogue

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

#### Other information

Waste codes should be assigned by the user based on the application for which the product was used.

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### SECTION 14: Transport information

#### Land transport (ADR/RID)

|                                 |               |
|---------------------------------|---------------|
| 14.1 UN number or ID number     | Not regulated |
| 14.2 Proper Shipping Name       | Not regulated |
| 14.3 Transport hazard class(es) | Not regulated |
| 14.4 Packing group              | Not regulated |
| 14.5 Environmental hazards      | Not regulated |
| 14.6 Special Provisions         | None          |

#### IMDG

|  |                |
|--|----------------|
| 14.1 UN number or ID number  | Not regulated  |
| 14.2 Proper Shipping Name  | Not regulated  |
| 14.3 Transport hazard class(es)  | Not regulated  |
| 14.4 Packing group   | Not regulated  |
| 14.5 Marine pollutant  | NP             |
| 14.6 Special Provisions  | None           |
| 14.7 Transport in bulk according to<br>Annex II of MARPOL and the IBC Code | Not applicable |

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

|                                 |                |
|---------------------------------|----------------|
| 14.1 UN number or ID number     | Not regulated  |
| 14.2 Proper Shipping Name       | Not regulated  |
| 14.3 Transport hazard class(es) | Not regulated  |
| 14.4 Packing group              | Not regulated  |
| 14.5 Environmental hazards      | Not applicable |
| 14.6 Special Provisions         | None           |

### Section 15: REGULATORY INFORMATION

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

##### European Union

**Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)**

##### **SVHC: Substances of Very High Concern for Authorisation:**

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

##### **EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction**

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

##### **Substance subject to authorisation per REACH Annex XIV**

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

##### **Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

##### **Persistent Organic Pollutants**

Not applicable

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### National regulations

#### 15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No  
Chemical Safety Assessment has been carried out for this mixture

### SECTION 16: Other information

#### Key or legend to abbreviations and acronyms used in the safety data sheet

##### Full text of H-Statements referred to under section 3

H226 - Flammable liquid and vapour  
H317 - May cause an allergic skin reaction  
H318 - Causes serious eye damage  
H332 - Harmful if inhaled  
H361f - Suspected of damaging fertility  
H400 - Very toxic to aquatic life  
H411 - Toxic to aquatic life with long lasting effects

##### Legend

|         |   |
|---------|---|
| TWA     | TWA (time-weighted average)   |
| STEL    | STEL (Short Term Exposure Limit)  |
| Ceiling | Ceiling Limit Value   |
| *       | Skin designation  |
| SVHC    | Substance(s) of Very High Concern   |
| PBT     | Persistent, Bioaccumulative, and Toxic (PBT) Chemicals                              |
| vPvB    | Very Persistent and very Bioaccumulative (vPvB) Chemicals                           |
| STOT RE | Specific target organ toxicity - Repeated exposure                                  |
| STOT SE | Specific target organ toxicity - Single exposure                                    |
| EWC     | European Waste Catalogue  |
| ADR     | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| IMDG    | International Maritime Dangerous Goods (IMDG)                                       |
| IATA    | International Air Transport Association (IATA)                                      |
| RID     | Regulations concerning the International Transport of Dangerous Goods by Rail       |

#### Key literature references and sources for data

No information available

|                       |                                     |
|-----------------------|-------------------------------------|
| Prepared By           | Product Safety & Regulatory Affairs |
| Revision date         | 01-Apr-2021                         |
| Indication of changes |                                     |
| Revision note         | Not applicable.                     |
| Training Advice       | No information available            |
| Further information   | No information available            |

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**