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Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revision date / version: 18.09.2015 / 0002  
Replacing version dated / version: 29.05.2015 / 0001  
Valid from: 18.09.2015  
PDF print date: 11.07.2017  
Seal-it® 120 Spac-Cryl

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

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

#### **1.1 Product identifier**

**Seal-it® 120 Spac-Cryl**

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

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

Seam sealant

**Uses advised against:**

No information available at present.

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

GB

Connect Products B. V., Duurzaamheidsring 220, 4231 EX Meerkkerk, Netherlands  
Phone: +31 (0)347 341 916, Fax: ---  
<http://connectproducts.nl/nl/>

Qualified person's e-mail address: [info@chemical-check.de](mailto:info@chemical-check.de), [k.schnurbusch@chemical-check.de](mailto: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 (ISA)

### **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)**

Not applicable

#### **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 %).

### **SECTION 3: Composition/information on ingredients**

#### **3.1 Substance**

n.a.

#### **3.2 Mixture**

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|  |     |
|--|-----|
| ---  | --- |
| <b>Registration number (REACH)</b>                                 | --- |
| <b>Index</b>   | --- |
| <b>EINECS, ELINCS, NLP</b>   | --- |
| <b>CAS</b>   | --- |
| <b>content %</b>   |     |
| <b>Classification according to Regulation (EC) 1272/2008 (CLP)</b> | --- |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### 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.

#### Ingestion

Rinse the mouth thoroughly with water.

Give copious water to drink - consult doctor immediately.

Never pour anything into the mouth of an unconscious person!

### 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

n.c.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water jet spray/foam/CO2/dry extinguisher

#### Unsuitable extinguishing media

High volume water jet

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

In case of fire the following can develop:

Oxides of carbon

Toxic gases

### 5.3 Advice for firefighters

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

Protective respirator with independent air supply.

According to size of fire

Full protection, if necessary.

Dispose of contaminated extinction water according to official regulations.

## SECTION 6: Accidental release measures

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

Ensure sufficient supply of air.

Avoid contact with eyes or skin.

If applicable, caution - risk of slipping.

### 6.2 Environmental precautions

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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.

## 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.  
 Avoid long lasting or intensive contact with 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.

### 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.  
 Store at room temperature.  
 Store in a dry place.

### 7.3 Specific end use(s)

No information available at present.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

| Chemical Name   | Titanium dioxide  |                        | Content %: |
|---|-------------------|------------------------|------------|
| WEL-TWA: 10 mg/m3 (total inhalable dust), 4 mg/m3 (respirable dust) | WEL-STEL: ---     | ---                    |            |
| Monitoring procedures: ---  |                   |                        |            |
| BMGV: ---   |                   | Other information: --- |            |
| Chemical Name   | Calcium carbonate |                        | Content %: |
| WEL-TWA: 4 mg/m3 (respirable dust), 10 mg/m3 (total inhalable dust) | WEL-STEL: ---     | ---                    |            |
| Monitoring procedures: ---  |                   |                        |            |
| BMGV: ---   |                   | Other information: --- |            |

GB 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 (2017/164/EU). (9) = Respirable fraction (2017/164/EU). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period).  
 (8) = Inhalable fraction (2017/164/EU). (9) = Respirable fraction (2017/164/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.

| Titanium dioxide    |  |                             |            |        |            |      |
|---------------------|--|-----------------------------|------------|--------|------------|------|
| Area of application | Exposure route / Environmental compartment           | Effect on health            | Descriptor | Value  | Unit       | Note |
|                     | Environment - freshwater                             |                             | PNEC       | 0,184  | mg/l       |      |
|                     | Environment - marine                                 |                             | PNEC       | 0,0184 | mg/l       |      |
|                     | Environment - water, sporadic (intermittent) release |                             | PNEC       | 0,193  | mg/l       |      |
|                     | Environment - sewage treatment plant                 |                             | PNEC       | 100    | mg/l       |      |
|                     | Environment - sediment, freshwater                   |                             | PNEC       | 1000   | mg/kg dw   |      |
|                     | Environment - sediment, marine                       |                             | PNEC       | 100    | mg/kg dw   |      |
|                     | Environment - soil                                   |                             | PNEC       | 100    | mg/kg dw   |      |
|                     | Environment - oral (animal feed)                     |                             | PNEC       | 1667   | mg/kg feed |      |
| Consumer            | Human - oral   | Long term, systemic effects | DNEL       | 700    | mg/kg      |      |
| Workers / employees | Human - inhalation                                   | Long term, local effects    | DNEL       | 10     | mg/m3      |      |

| Calcium carbonate   |  |                             |            |       |       |      |
|---------------------|--|-----------------------------|------------|-------|-------|------|
| Area of application | Exposure route / Environmental compartment | Effect on health            | Descriptor | Value | Unit  | Note |
|                     | Environment - sewage treatment plant       |                             | PNEC       | 100   | mg/l  |      |
| Consumer            | Human - inhalation                         | Long term, systemic effects | DNEL       | 10    | mg/m3 |      |
| Consumer            | Human - inhalation                         | Long term, local effects    | DNEL       | 1,06  | mg/m3 |      |
| Workers / employees | Human - inhalation                         | Long term, systemic effects | DNEL       | 10    | mg/m3 |      |
| Workers / employees | Human - inhalation                         | Long term, local effects    | DNEL       | 4,26  | mg/m3 |      |

## 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:

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With danger of contact with eyes.  
 Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:  
 Chemical resistant protective gloves (EN 374).  
 If applicable  
 Safety gloves made of butyl (EN 374)  
 Safety gloves made of chloroprene (EN 374).  
 Protective nitrile gloves (EN 374)  
 Minimum layer thickness in mm:  
 >= 0,5  
 Permeation time (penetration time) in minutes:  
 >= 480  
 The breakthrough times determined in accordance with EN 374 Part 3 were not obtained under practical conditions.  
 The recommended maximum wearing time is 50% of breakthrough time.  
 Protective hand cream recommended.

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

Respiratory protection:  
 Normally not necessary.

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:                          | Pastelike, Solid              |
| Colour:                                  | According to specification    |
| Odour:                                   | Characteristic                |
| Odour threshold:                         | Not determined                |
| pH-value:                                | 7-9 (20°C)                    |
| Melting point/freezing point:            | 0 °C                          |
| Initial boiling point and boiling range: | 100 °C                        |
| Flash point:                             | n.a.                          |
| Evaporation rate:                        | Not determined                |
| Flammability (solid, gas):               | >440 °C                       |
| Lower explosive limit:                   | n.a.                          |
| Upper explosive limit:                   | n.a.                          |
| Vapour pressure:                         | Not determined                |
| Vapour density (air = 1):                | Not determined                |
| Density:                                 | 1,76 g/cm <sup>3</sup> (20°C) |
| Bulk density:                            | n.a.                          |
| Solubility(ies):                         | Not determined                |
| Water solubility:                        | Mixable                       |
| Partition coefficient (n-octanol/water): | Not determined                |
| Auto-ignition temperature:               | 420 °C                        |

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|                            |                           |
|----------------------------|---------------------------|
| Auto-ignition temperature: | No                        |
| Decomposition temperature: | Not determined            |
| Viscosity:                 | >20,5 mm <sup>2</sup> /s  |
| Explosive properties:      | Product is not explosive. |
| Oxidising properties:      | No                        |

## 9.2 Other information

|                           |                |
|---------------------------|----------------|
| Miscibility:              | Not determined |
| Fat solubility / solvent: | Not determined |
| Conductivity:             | Not determined |
| Surface tension:          | Not determined |
| Solvents content:         | 0,84 %         |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Not to be expected

### 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

See also section 7.

Moisture

Strong heat

### 10.5 Incompatible materials

See also section 7.

Avoid contact with strong oxidizing agents.

Avoid contact with strong alkalis.

Avoid contact with strong acids.

### 10.6 Hazardous decomposition products

See also section 5.2

No decomposition when used as directed.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

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

| Seal-it® 120 Spac-Cryl  |          |       |      |          |             |        |
|---|----------|-------|------|----------|-------------|--------|
| 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:                                |          |       |      |          |             | n.d.a. |
| Skin corrosion/irritation:                                    |          |       |      |          |             | n.d.a. |
| Serious eye damage/irritation:                                |          |       |      |          |             | n.d.a. |
| Respiratory or skin sensitisation:                            |          |       |      |          |             | n.d.a. |
| 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. |



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|                    |  |  |  |  |  |  |
|--------------------|--|--|--|--|--|--|
| Other information: |  |  |  |  |  | Classification according to calculation procedure. |
|--------------------|--|--|--|--|--|--|

| Titanium dioxide  |          |       |         |                        |  |   |
|---|----------|-------|---------|------------------------|--|---|
| Toxicity / effect   | Endpoint | Value | Unit    | Organism               | Test method  | Notes   |
| Acute toxicity, by oral route:  | LD50     | >5000 | mg/kg   | Rat                    | OECD 425 (Acute Oral Toxicity - Up-and-Down Procedure) |   |
| Acute toxicity, by dermal route:  | LD50     | >5000 | mg/kg   | Rabbit                 |  |   |
| Acute toxicity, by inhalation:  | LD50     | >6,8  | mg/l/4h | Rat                    |  |   |
| Skin corrosion/irritation:  |          |       |         | Rabbit                 | OECD 404 (Acute Dermal Irritation/Corrosion)           | Not irritant                                  |
| Serious eye damage/irritation:  |          |       |         |                        | OECD 405 (Acute Eye Irritation/Corrosion)              | Not irritant, Mechanical irritation possible. |
| Respiratory or skin sensitisation:                                      |          |       |         | Mouse                  | OECD 429 (Skin Sensitisation - Local Lymph Node Assay) | Not sensitising                               |
| Respiratory or skin sensitisation:                                      |          |       |         | Guinea pig             | OECD 406 (Skin Sensitisation)                          | Not sensitising                               |
| Germ cell mutagenicity:   |          |       |         | Salmonella typhimurium | (Ames-Test)  | Negative                                      |
| Reproductive toxicity (Developmental toxicity):                         |          |       |         | Rat                    | OECD 414 (Prenatal Developmental Toxicity Study)       | No indications of such an effect.             |
| Specific target organ toxicity - single exposure (STOT-SE):             |          |       |         |                        |  | Not irritant (respiratory tract).             |
| Symptoms:   |          |       |         |                        |  | mucous membrane irritation                    |
| Specific target organ toxicity - repeated exposure (STOT-RE), oral:     | NOAEL    | 3500  | mg/kg/d | Rat                    |  | 90d   |
| Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.: | NOAEC    | 10    | mg/m3   | Rat                    |  | 90 d  |
| Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.: | NOAEC    | 10    | mg/m3   | Rat                    |  | 90d   |

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

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|   |       |       |            |       |  |                                   |
|---|-------|-------|------------|-------|--|-----------------------------------|
| Respiratory or skin sensitisation:                                      |       |       |            | Mouse | OECD 429 (Skin Sensitisation - Local Lymph Node Assay)   | Not sensitizing                   |
| 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) |                                   |
| 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                                |
| Symptoms:   |       |       |            |       |  | No indications of such an effect. |
| 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)   |                                   |

## SECTION 12: Ecological information

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

| Seal-it® 120 Spac-Cryl               |          |      |       |      |          |             |        |
|--------------------------------------|----------|------|-------|------|----------|-------------|--------|
| Toxicity / effect                    | Endpoint | Time | Value | Unit | Organism | Test method | Notes  |
| 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. |



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|--|--|--|--|--|--|--|--------|
| 12.5. Results of PBT and vPvB assessment |  |  |  |  |  |  | n.d.a. |
| 12.6. Other adverse effects:             |  |  |  |  |  |  | n.d.a. |

| Titanium dioxide                         |           |      |        |       |                                 |  |                                     |
|--|-----------|------|--------|-------|---------------------------------|--|-------------------------------------|
| Toxicity / effect                        | Endpoint  | Time | Value  | Unit  | Organism                        | Test method                                      | Notes                               |
| 12.1. Toxicity to fish:                  | LC50      | 96h  | >100   | mg/l  | Oncorhynchus mykiss             | OECD 203 (Fish, Acute Toxicity Test)             |                                     |
| 12.1. Toxicity to daphnia:               | LC50      | 48h  | >100   | mg/l  | Daphnia magna                   | OECD 202 (Daphnia sp. Acute Immobilisation Test) |                                     |
| 12.1. Toxicity to algae:                 | EC50      | 72h  | 16     | mg/l  | Pseudokirchneriella subcapitata | U.S. EPA-600/9-78-018                            |                                     |
| 12.2. Persistence and degradability:     |           |      |        |       |                                 |  | Not readily biodegradable           |
| 12.2. Persistence and degradability:     |           |      |        |       |                                 |  | Not biodegradable                   |
| 12.3. Bioaccumulative potential:         |           |      |        |       |                                 |  | No                                  |
| 12.3. Bioaccumulative potential:         | BCF       | 14d  | 19-352 |       |                                 |  | Oncorhynchus mykiss                 |
| 12.3. Bioaccumulative potential:         | BCF       | 42d  | 9,6    |       |                                 |  | No                                  |
| 12.4. Mobility in soil:                  |           |      |        |       |                                 |  | Negative                            |
| 12.5. Results of PBT and vPvB assessment |           |      |        |       |                                 |  | No PBT substance, No vPvB substance |
| Toxicity to bacteria:                    |           |      | >5000  | mg/l  | Escherichia coli                |  |                                     |
| Toxicity to bacteria:                    |           |      | >5000  | mg/l  | Pseudomonas fluorescens         |  |                                     |
| Toxicity to bacteria:                    | LC0       | 24h  | >10000 | mg/l  | Pseudomonas fluorescens         |  |                                     |
| Toxicity to annelids:                    | NOEC/NOEL |      | >1000  | mg/kg | Eisenia foetida                 |  |                                     |
| Water solubility:                        |           |      |        |       |                                 |  | Insoluble 20°C                      |

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

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| 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      | 14d | >1000 | mg/kg dw | Eisenia foetida  | OECD 207 (Earthworm, Acute Toxicity Tests)   |                                     |
| Other organisms:                         | EC50      | 21d | >1000 | mg/kg dw |                  | OECD 208 (Terrestrial Plants, Growth Test)   | Avena sativa                        |
| Other organisms:                         | EC50      | 21d | >1000 | mg/kg dw |                  | OECD 208 (Terrestrial Plants, Growth Test)   | Glycine max                         |
| Other organisms:                         | EC50      | 21d | >1000 | mg/kg dw |                  | OECD 208 (Terrestrial Plants, Growth Test)   | Lycopersicon esculentum             |
| Other organisms:                         | EC50      | 28d | >1000 | mg/kg dw |                  | OECD 216 (Soil Microorganisms - Nitrogen Transformation Test)                            |                                     |
| Other organisms:                         | NOEC/NOEL | 14d | 1000  | mg/kg dw | Eisenia foetida  | OECD 207 (Earthworm, Acute Toxicity Tests)   |                                     |
| Other organisms:                         | NOEC/NOEL | 21d | 1000  | mg/kg dw |                  | OECD 208 (Terrestrial Plants, Growth Test)   | Glycine max                         |
| Other organisms:                         | NOEC/NOEL | 21d | 1000  | mg/kg dw |                  | OECD 208 (Terrestrial Plants, Growth Test)   | Avena sativa                        |
| Other organisms:                         | NOEC/NOEL | 21d | 1000  | mg/kg dw |                  | OECD 208 (Terrestrial Plants, Growth Test)   | Glycine max                         |
| Other organisms:                         | NOEC/NOEL | 21d | 1000  | mg/kg dw |                  | OECD 208 (Terrestrial Plants, Growth Test)   | Lycopersicon esculentum             |

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|                   |           |     |        |          |  |   |      |
|-------------------|-----------|-----|--------|----------|--|---|------|
| Other organisms:  | NOEC/NOEL | 28d | 1000   | mg/kg dw |  | OECD 216 (Soil Microorganisms - Nitrogen Transformation Test) |      |
| Water solubility: |           |     | 0,0166 | g/l      |  | OECD 105 (Water Solubility)                                   |      |
| Water solubility: |           |     | 0,0166 | g/l      |  | OECD 105 (Water Solubility)                                   | 20°C |

## 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.

E.g. suitable incineration plant.

Hardened product:

Can be disposed of with household rubbish.

#### 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

## SECTION 14: Transport information

### General statements

14.1. UN number: n.a.

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

14.2. UN proper shipping name:

14.3. Transport hazard class(es):

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):

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):

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.

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## 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

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:

General hygiene measures for the handling of chemicals are applicable.

|                             |          |
|-----------------------------|----------|
| Directive 2010/75/EU (VOC): | 0,84 %   |
| Directive 2010/75/EU (VOC): | 14,8 g/l |

### 15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

## 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).

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## Any abbreviations and acronyms used in this document:

AC Article Categories  
acc., acc. to according, according to  
ACGIH American Conference of Governmental Industrial Hygienists  
ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)  
AOEL Acceptable Operator Exposure Level  
AOX Adsorbable organic halogen compounds  
approx. approximately  
Art., Art. no. Article number  
ATE Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)  
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  
BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)  
BHT Butylhydroxytoluol (= 2,6-Di-*t*-butyl-4-methyl-phenol)  
BMGV Biological monitoring guidance value (EH40, UK)  
BOD Biochemical oxygen demand  
BSEF Bromine Science and Environmental Forum  
bw body weight  
CAS Chemical Abstracts Service  
CEC Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids  
CESIO Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques  
CIPAC Collaborative International Pesticides Analytical Council  
CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)  
CMR carcinogenic, mutagenic, reproductive toxic  
COD Chemical oxygen demand

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CTFA Cosmetic, Toiletry, and Fragrance Association  
 DMEL Derived Minimum Effect Level  
 DNEL Derived No Effect Level  
 DOC Dissolved organic carbon  
 DT50 Dwell Time - 50% reduction of start concentration  
 DVS Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes)  
 dw dry weight  
 e.g. for example (abbreviation of Latin 'exempli gratia'), for instance  
 EC European Community  
 ECHA European Chemicals Agency  
 EEA European Economic Area  
 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)  
 ERC Environmental Release Categories  
 ES Exposure scenario  
 etc. et cetera  
 EU European Union  
 EWC European Waste Catalogue  
 Fax. Fax number  
 gen. general  
 GHS Globally Harmonized System of Classification and Labelling of Chemicals  
 GWP Global warming potential  
 HET-CAM Hen's Egg Test - Chorionallantoic Membrane  
 HGWP Halocarbon Global Warming Potential  
 IARC International Agency for Research on Cancer  
 IATA International Air Transport Association  
 IBC Intermediate Bulk Container  
 IBC (Code) International Bulk Chemical (Code)  
 IC Inhibitory concentration  
 IMDG-code International Maritime Code for Dangerous Goods  
 incl. including, inclusive  
 IUCLID International Uniform Chemical Information Database  
 LC lethal concentration  
 LC50 lethal concentration 50 percent kill  
 LCLo lowest published lethal concentration  
 LD Lethal Dose of a chemical  
 LD50 Lethal Dose, 50% kill  
 LDLo Lethal Dose Low  
 LOAEL Lowest Observed Adverse Effect Level  
 LOEC Lowest Observed Effect Concentration  
 LOEL Lowest Observed Effect Level  
 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 of Occupational Safety and Health (United States of America)  
 NOAEC No Observed Adverse Effective Concentration  
 NOAEL No Observed Adverse Effect Level  
 NOEC No Observed Effect Concentration  
 NOEL No Observed Effect Level  
 ODP Ozone Depletion Potential  
 OECD Organisation for Economic Co-operation and Development  
 org. organic  
 PAH polycyclic aromatic hydrocarbon  
 PBT persistent, bioaccumulative and toxic  
 PC Chemical product category  
 PE Polyethylene

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PNEC Predicted No Effect Concentration  
POCP Photochemical ozone creation potential  
ppm parts per million  
PROC Process category  
PTFE Polytetrafluorethylene  
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)  
SADT Self-Accelerating Decomposition Temperature  
SAR Structure Activity Relationship  
SU Sector of use  
SVHC Substances of Very High Concern  
Tel. Telephone  
ThOD Theoretical oxygen demand  
TOC Total organic carbon  
TRGS Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances)  
UN RTDG United Nations Recommendations on the Transport of Dangerous Goods  
VbF Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))  
VOC Volatile organic compounds  
vPvB very persistent and very bioaccumulative  
WEL-TWA, WEL-STEL WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period), WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK).  
WHO World Health Organization  
wwt wet weight

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.

These statements were made by:

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