



Page 1 of 17  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revision date / version: 19.08.2021 / 0013  
Replacing version dated / version: 04.02.2021 / 0012  
Valid from: 19.08.2021  
PDF print date: 24.08.2021  
Smoothing Agent concentrate 5000 ML  
Art.: 9101028

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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**

**Smoothing Agent concentrate 5000 ML**  
**Art.: 9101028**

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

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

See definition of the substance or mixture.

**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)

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**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

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

| <b>Hazard class</b> | <b>Hazard category</b> | <b>Hazard statement</b>                                 |
|---------------------|------------------------|---|
| Skin Irrit.         | 2                      | H315-Causes skin irritation.                            |
| Eye Dam.            | 1                      | H318-Causes serious eye damage.                         |
| Aquatic Chronic     | 3                      | H412-Harmful to aquatic life with long lasting effects. |

**2.2 Label elements**

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

®

Page 2 of 17

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

Revision date / version: 19.08.2021 / 0013

Replacing version dated / version: 04.02.2021 / 0012

Valid from: 19.08.2021

PDF print date: 24.08.2021

Smoothing Agent concentrate 5000 ML

Art.: 9101028



Danger

H315-Causes skin irritation. H318-Causes serious eye damage. H412-Harmful to aquatic life with long lasting effects.

P101-If medical advice is needed, have product container or label at hand. P102-Keep out of reach of children.

P273-Avoid release to the environment. P280-Wear protective gloves / eye protection / face protection.

P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310-Immediately call a POISON CENTER / doctor.

P501-Dispose of contents / container to an approved waste disposal facility.

EUH208-Contains Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

### 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

### 3.1 Substances

n.a.

### 3.2 Mixtures

| Alcohols, C12-14, ethoxylated, sulfates, sodium salts                         | Substance with specific conc. limit(s) acc. to REACH-registration. |
|---|--|
| <b>Registration number (REACH)</b>  | 01-2119488639-16-XXXX  |
| <b>Index</b>  | ---  |
| <b>EINECS, ELINCS, NLP, REACH-IT List-No.</b>                                 | 500-234-8  |
| <b>CAS</b>  | 68891-38-3   |
| <b>content %</b>  | 10-<20   |
| <b>Classification according to Regulation (EC) 1272/2008 (CLP), M-factors</b> | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Chronic 3, H412 |



Page 3 of 17  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 19.08.2021 / 0013  
 Replacing version dated / version: 04.02.2021 / 0012  
 Valid from: 19.08.2021  
 PDF print date: 24.08.2021  
 Smoothing Agent concentrate 5000 ML  
 Art.: 9101028

|  |  |
|--|--|
| <b>Specific Concentration Limits and ATE</b>   | Eye Dam. 1, H318: $\geq 10\%$<br>Eye Irrit. 2, H319: $\geq 5\%$  |
| <b>Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)</b> |  |
| <b>Registration number (REACH)</b>   | ---  |
| <b>Index</b>   | 613-167-00-5   |
| <b>EINECS, ELINCS, NLP, REACH-IT List-No.</b>  | ---  |
| <b>CAS</b>   | 55965-84-9   |
| <b>content %</b>   | 0,0001- $< 0,0015$   |
| <b>Classification according to Regulation (EC) 1272/2008 (CLP), M-factors</b>                        | Acute Tox. 2, H310<br>Acute Tox. 2, H330<br>Acute Tox. 3, H301<br>Skin Corr. 1C, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1A, H317<br>Aquatic Acute 1, H400 (M=100)<br>Aquatic Chronic 1, H410 (M=100) |
| <b>Specific Concentration Limits and ATE</b>   | Skin Corr. 1C, H314: $\geq 0,6\%$<br>Skin Irrit. 2, H315: $\geq 0,06\%$<br>Eye Dam. 1, H318: $\geq 0,6\%$<br>Eye Irrit. 2, H319: $\geq 0,06\%$<br>Skin Sens. 1A, H317: $\geq 0,0015\%$               |

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

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 - call doctor immediately, have Data Sheet available.

Protect uninjured eye.

Follow-up examination by an ophthalmologist.

#### Ingestion

Rinse the mouth thoroughly with water.

Do not induce vomiting - give copious water to drink. Consult doctor immediately.

### 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.



Page 4 of 17

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

Revision date / version: 19.08.2021 / 0013

Replacing version dated / version: 04.02.2021 / 0012

Valid from: 19.08.2021

PDF print date: 24.08.2021

Smoothing Agent concentrate 5000 ML

Art.: 9101028

---

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

Symptomatic treatment.

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## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

Adapt to the nature and extent of fire.

#### **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

Oxides of sulphur

Toxic gases

### **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.

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.

Do not pour down the drain undiluted.

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

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

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth, sawdust) 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.



Page 5 of 17

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

Revision date / version: 19.08.2021 / 0013

Replacing version dated / version: 04.02.2021 / 0012

Valid from: 19.08.2021

PDF print date: 24.08.2021

Smoothing Agent concentrate 5000 ML

Art.: 9101028

## 7.1 Precautions for safe handling

### 7.1.1 General recommendations

Avoid contact with eyes or skin.

Observe directions on label and instructions for use.

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

Use working methods according to operating instructions.

### 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

Keep out of access to unauthorised individuals.

Store product closed and only in original packing.

Not to be stored in gangways or stair wells.

Protect from frost.

### 7.3 Specific end use(s)

No information available at present.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

| Alcohols, C12-14, ethoxylated, sulfates, sodium salts |   |                  |            |       |                  |      |
|---|---|------------------|------------|-------|------------------|------|
| Area of application                                   | Exposure route / Environmental compartment    | Effect on health | Descriptor | Value | Unit             | Note |
|   | Environment - freshwater                      |                  | PNEC       | 0,24  | mg/l             |      |
|   | Environment - periodic release                |                  | PNEC       | 0,13  | mg/l             |      |
|   | Environment - marine                          |                  | PNEC       | 0,024 | mg/l             |      |
|   | Environment - sediment, freshwater            |                  | PNEC       | 5,45  | mg/kg dry weight |      |
|   | Environment - sediment, marine                |                  | PNEC       | 0,545 | mg/kg dry weight |      |
|   | Environment - sewage treatment plant          |                  | PNEC       | 10000 | mg/l             |      |
|   | Environment - soil                            |                  | PNEC       | 0,946 | mg/kg dry weight |      |
|   | Environment - sporadic (intermittent) release |                  | PNEC       | 0,071 | mg/l             |      |



Page 6 of 17

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

Revision date / version: 19.08.2021 / 0013

Replacing version dated / version: 04.02.2021 / 0012

Valid from: 19.08.2021

PDF print date: 24.08.2021

Smoothing Agent concentrate 5000 ML

Art.: 9101028

|                     |                                    |                             |      |       |              |  |
|---------------------|------------------------------------|-----------------------------|------|-------|--------------|--|
|                     | Environment - sediment, freshwater | Short term                  | PNEC | 0,917 | mg/kg        |  |
|                     | Environment - sediment, marine     | Short term                  | PNEC | 0,092 | mg/kg        |  |
|                     | Environment - soil                 | Short term                  | PNEC | 7,5   | mg/kg        |  |
| Consumer            | Human - dermal                     | Long term, local effects    | DNEL | 0,079 | mg/cm2       |  |
| Consumer            | Human - oral                       | Long term, systemic effects | DNEL | 15    | mg/kg bw/day |  |
| Consumer            | Human - dermal                     | Long term, systemic effects | DNEL | 1650  | mg/kg bw/day |  |
| Consumer            | Human - inhalation                 | Long term, systemic effects | DNEL | 52    | mg/m3        |  |
| Workers / employees | Human - dermal                     | Long term, systemic effects | DNEL | 2750  | mg/kg bw/day |  |
| Workers / employees | Human - inhalation                 | Long term, systemic effects | DNEL | 175   | mg/m3        |  |
| Workers / employees | Human - dermal                     | Long term, local effects    | DNEL | 0,132 | mg/cm2       |  |

## 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.

### 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:

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

Skin protection - Hand protection:

Rubber gloves (EN ISO 374).

Minimum layer thickness in mm:

0,4

Permeation time (penetration time) in minutes:

>= 480

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:



Page 7 of 17

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

Revision date / version: 19.08.2021 / 0013

Replacing version dated / version: 04.02.2021 / 0012

Valid from: 19.08.2021

PDF print date: 24.08.2021

Smoothing Agent concentrate 5000 ML

Art.: 9101028

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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.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|  |                |
|--|----------------|
| Physical state:                          | Liquid         |
| Colour:                                  | Colourless     |
| Odour:                                   | Odourless      |
| Odour threshold:                         | Not determined |
| pH-value:                                | ~7             |
| Melting point/freezing point:            | Not determined |
| Initial boiling point and boiling range: | Not determined |
| Flash point:                             | Not determined |
| Evaporation rate:                        | Not determined |
| Flammability (solid, gas):               | Not determined |
| Lower explosive limit:                   | Not determined |
| Upper explosive limit:                   | Not determined |
| Vapour pressure:                         | Not determined |
| Vapour density (air = 1):                | Not determined |
| Density:                                 | 1,02 g/ml      |
| Bulk density:                            | Not determined |
| Solubility(ies):                         | Not determined |
| Water solubility:                        | Soluble        |
| Partition coefficient (n-octanol/water): | Not determined |
| Auto-ignition temperature:               | Not determined |
| Decomposition temperature:               | Not determined |
| Viscosity:                               | Not determined |
| Explosive properties:                    | Not determined |
| Oxidising properties:                    | Not determined |

### 9.2 Other information

|              |                |
|--------------|----------------|
| Miscibility: | Not determined |
|--------------|----------------|



Page 8 of 17  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 19.08.2021 / 0013  
 Replacing version dated / version: 04.02.2021 / 0012  
 Valid from: 19.08.2021  
 PDF print date: 24.08.2021  
 Smoothing Agent concentrate 5000 ML  
 Art.: 9101028

|                           |                |
|---------------------------|----------------|
| Fat solubility / solvent: | Not determined |
| Conductivity:             | Not determined |
| Surface tension:          | Not determined |
| Solvents content:         | Not determined |

## 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

None known

### 10.5 Incompatible materials

See also section 7.

None known

### 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).

| Smoothing Agent concentrate 5000 ML<br>Art.: 9101028        |          |       |      |          |             |        |
|---|----------|-------|------|----------|-------------|--------|
| 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. |





Page 9 of 17

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

Revision date / version: 19.08.2021 / 0013

Replacing version dated / version: 04.02.2021 / 0012

Valid from: 19.08.2021

PDF print date: 24.08.2021

Smoothing Agent concentrate 5000 ML

Art.: 9101028

|   |  |  |  |  |  |        |
|---|--|--|--|--|--|--------|
| Specific target organ toxicity - repeated exposure (STOT-RE): |  |  |  |  |  | n.d.a. |
| Aspiration hazard:  |  |  |  |  |  | n.d.a. |
| Symptoms:   |  |  |  |  |  | n.d.a. |

| Alcohols, C12-14, ethoxylated, sulfates, sodium salts |          |       |       |                        |   |                            |
|---|----------|-------|-------|------------------------|---|----------------------------|
| Toxicity / effect                                     | Endpoint | Value | Unit  | Organism               | Test method   | Notes                      |
| Acute toxicity, by oral route:                        | LD50     | 4100  | mg/kg | Rat                    | OECD 401 (Acute Oral Toxicity)                              |                            |
| Acute toxicity, by dermal route:                      | LD50     | >2000 | mg/kg | Rat                    | OECD 402 (Acute Dermal Toxicity)                            |                            |
| Skin corrosion/irritation:                            |          |       |       | Rabbit                 | OECD 404 (Acute Dermal Irritation/Corrosion)                | Skin Irrit. 2              |
| Serious eye damage/irritation:                        |          | >=10  | %     | Rabbit                 | OECD 405 (Acute Eye Irritation/Corrosion)                   | Eye Dam. 1                 |
| Serious eye damage/irritation:                        |          | >=5   | %     | Rabbit                 | OECD 405 (Acute Eye Irritation/Corrosion)                   | Eye Irrit. 2               |
| 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 475 (Mammalian Bone Marrow Chromosome Aberration Test) | Negative                   |
| Germ cell mutagenicity:                               |          |       |       | Mouse                  | OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)       | Negative                   |
| Reproductive toxicity:                                | NOAEL    | >1000 | mg/kg | Rat                    | OECD 414 (Prenatal Developmental Toxicity Study)            | Negative, References       |
| Reproductive toxicity:                                | NOAEL    | >300  | mg/kg | Rat                    | OECD 416 (Two-generation Reproduction Toxicity Study)       | Negative, References       |
| Aspiration hazard:                                    |          |       |       |                        |   | No                         |
| Symptoms:   |          |       |       |                        |   | mucous membrane irritation |





Page 11 of 17

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

Revision date / version: 19.08.2021 / 0013

Replacing version dated / version: 04.02.2021 / 0012

Valid from: 19.08.2021

PDF print date: 24.08.2021

Smoothing Agent concentrate 5000 ML

Art.: 9101028

|  |     |  |       |   |  |  |   |
|--|-----|--|-------|---|--|--|---|
| 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. Other adverse effects:             |     |  |       |   |  |  | n.d.a.  |
| Other information:                       |     |  |       |   |  |  | DOC-elimination degree (complexing organic substance) $\geq$ 80%/28d: n.a.                |
| Other information:                       | AOX |  | 0,001 | % |  |  | Contains organically bound halogens, which may contribute to the AOX value in wastewater. |

| Alcohols, C12-14, ethoxylated, sulfates, sodium salts |           |      |       |      |                     |   |       |
|---|-----------|------|-------|------|---------------------|---|-------|
| Toxicity / effect                                     | Endpoint  | Time | Value | Unit | Organism            | Test method   | Notes |
| 12.1. Toxicity to fish:                               | LC50      | 96h  | 7,1   | mg/l | Brachydanio rerio   | OECD 203 (Fish, Acute Toxicity Test)                    |       |
| 12.1. Toxicity to fish:                               | NOEC/NOEL | 28d  | 0,1   | mg/l | Oncorhynchus mykiss | OECD 204 (Fish, Prolonged Toxicity Test - 14-Day Study) |       |
| 12.1. Toxicity to daphnia:                            | NOEC/NOEL | 21d  | 0,27  | mg/l | Daphnia magna       | OECD 211 (Daphnia magna Reproduction Test)              |       |
| 12.1. Toxicity to daphnia:                            | EC50      | 48h  | 7,2   | mg/l | Daphnia magna       | OECD 202 (Daphnia sp. Acute Immobilisation Test)        |       |



Page 12 of 17

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

Revision date / version: 19.08.2021 / 0013

Replacing version dated / version: 04.02.2021 / 0012

Valid from: 19.08.2021

PDF print date: 24.08.2021

Smoothing Agent concentrate 5000 ML

Art.: 9101028

|  |           |     |       |      |                         |   |                       |
|--|-----------|-----|-------|------|-------------------------|---|-----------------------|
| 12.1. Toxicity to algae:                 | NOEC/NOEL | 96h | 0,95  | mg/l |                         | OECD 201 (Alga, Growth Inhibition Test)   |                       |
| 12.1. Toxicity to algae:                 | EC50      | 72h | 27,7  | mg/l | Desmodesmus subspicatus | OECD 201 (Alga, Growth Inhibition Test)   |                       |
| 12.2. Persistence and degradability:     |           | 28d | 95    | %    |                         | OECD 301 E (Ready Biodegradability - Modified OECD Screening Test)                              | Readily biodegradable |
| 12.2. Persistence and degradability:     |           | 28d | >70   | %    |                         | OECD 301 A (Ready Biodegradability - DOC Die-Away Test)   | Readily biodegradable |
| 12.2. Persistence and degradability:     | DOC       | 28d | 100   | %    | activated sludge        | Regulation (EC) 440/2008 C.4-C (DETERMINATION OF 'READY' BIODEGRADABILITY - CO2 EVOLUTION TEST) | Readily biodegradable |
| 12.3. Bioaccumulative potential:         | BCF       |     | -1,38 |      |                         |   | Low                   |
| 12.4. Mobility in soil:                  | Koc       |     | 191   |      |                         |   | calculated value      |
| 12.5. Results of PBT and vPvB assessment |           |     |       |      |                         |   | No PBT substance      |
| Toxicity to bacteria:                    | EC50      | 16h | >10   | g/l  | Pseudomonas putida      | DIN 38412 T.8   |                       |

**Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)**

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



Page 13 of 17

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

Revision date / version: 19.08.2021 / 0013

Replacing version dated / version: 04.02.2021 / 0012

Valid from: 19.08.2021

PDF print date: 24.08.2021

Smoothing Agent concentrate 5000 ML

Art.: 9101028

|  |           |     |         |      |                                 |  |   |
|--|-----------|-----|---------|------|---------------------------------|--|---|
| 12.1. Toxicity to algae:                 | NOEC/NOEL | 72h | 0,0012  | mg/l | Pseudokirchneriella subcapitata | OECD 201 (Alga, Growth Inhibition Test)  |   |
| 12.1. Toxicity to algae:                 | NOEC/NOEL | 48h | 0,00064 | mg/l | Skeletonema costatum            | ISO 10253  |   |
| 12.2. Persistence and degradability:     |           |     | >60     | %    | activated sludge                | OECD 301 D (Ready Biodegradability - Closed Bottle Test)                                 | Does not conform with EU classification . |
| 12.1. Toxicity to algae:                 | EC50      | 48h | 0,0052  | mg/l | Skeletonema costatum            | ISO 10253  |   |
| 12.5. Results of PBT and vPvB assessment |           |     |         |      |                                 |  | No PBT substance, No vPvB substance       |
| Toxicity to bacteria:                    | EC50      | 3h  | 7,92    | mg/l | activated sludge                | OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) |   |

## 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)

07 06 01 aqueous washing liquids and mother liquors

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

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.



Page 14 of 17

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

Revision date / version: 19.08.2021 / 0013

Replacing version dated / version: 04.02.2021 / 0012

Valid from: 19.08.2021

PDF print date: 24.08.2021

Smoothing Agent concentrate 5000 ML

Art.: 9101028

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

Non-dangerous material according to Transport Regulations.

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## SECTION 15: Regulatory information

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

Observe restrictions:

Comply with trade association/occupational health regulations.

Directive 2010/75/EU (VOC): 0 %

Treated goods as per Regulation (EU) No. 528/2012 must display specific information on the label.

Please note Article 58 paragraph (3) subparagraph 2 of Regulation (EU) No. 528/2012.

Approval of the biocidal active substance may mean that special conditions are required for marketing the treated goods.

These are indicated in the approval of the active substance.

### 15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

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## SECTION 16: Other information

Revised sections: 6, 9, 15



Page 15 of 17  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revision date / version: 19.08.2021 / 0013  
Replacing version dated / version: 04.02.2021 / 0012  
Valid from: 19.08.2021  
PDF print date: 24.08.2021  
Smoothing Agent concentrate 5000 ML  
Art.: 9101028

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These details refer to the product as it is delivered.  
Employee instruction/training in handling hazardous materials is required.

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

| Classification in accordance with regulation (EC) No. 1272/2008 (CLP) | Evaluation method used                             |
|---|--|
| Skin Irrit. 2, H315   | Classification according to calculation procedure. |
| Eye Dam. 1, H318  | Classification according to calculation procedure. |
| Aquatic Chronic 3, H412   | Classification according to calculation procedure. |

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).

H330 Fatal if inhaled.  
H310 Fatal in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H301 Toxic if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

Skin Irrit. — Skin irritation  
Eye Dam. — Serious eye damage  
Aquatic Chronic — Hazardous to the aquatic environment - chronic  
Acute Tox. — Acute toxicity - dermal  
Acute Tox. — Acute toxicity - inhalation  
Acute Tox. — Acute toxicity - oral  
Skin Corr. — Skin corrosion  
Skin Sens. — Skin sensitization  
Aquatic Acute — Hazardous to the aquatic environment - acute

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

acc., acc. to according, according to  
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)



Page 16 of 17

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

Revision date / version: 19.08.2021 / 0013

Replacing version dated / version: 04.02.2021 / 0012

Valid from: 19.08.2021

PDF print date: 24.08.2021

Smoothing Agent concentrate 5000 ML

Art.: 9101028

---

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, E $\mu$ Cx, 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  
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  
NLP No-longer-Polymer  
NOEC, NOEL No Observed Effect Concentration/Level





Page 17 of 17

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

Revision date / version: 19.08.2021 / 0013

Replacing version dated / version: 04.02.2021 / 0012

Valid from: 19.08.2021

PDF print date: 24.08.2021

Smoothing Agent concentrate 5000 ML

Art.: 9101028

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OECD Organisation for Economic Co-operation and Development

org. organic

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

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.