

# 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



Revision date: 27-Aug-2021

Revision Number: 1

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

### 1.1. Product identifier

**Product Name:** Conti Methacrylat-Bodenfarbe blaugrau  
**Article number:** 024300367110

**Hazard components for labeling:** Contains 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone, 1,2-Benzisothiazol-3(2H)-one, 3(2H)-Isothiazolone, 2-methyl-

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

**Product categories [PC]:** PC9 - Coatings and paints, fillers, putties, thinners  
**Sector of uses [SU]:** SU19 - Building and construction work

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

**Supplier:** conti coatings GmbH  
Feldstrasse 55  
D - 46149 Oberhausen  
Telefon: +49 208/ 9948-0  
Telefax: +49 208/ 650625  
www.conticoatings.com

**E-mail address:** sds.ob@kluthe.com

### 1.4. Emergency telephone number

**Emergency Telephone:** +49 177 / 214 4737 (24 h)

|  |   |
|--|---|
| <b>Emergency Telephone - §45 - (EC)1272/2008</b> |   |
| <b>Europe</b>                                    | <b>112</b>  |
| <b>Austria</b>                                   | <b>+43 1 406 43 43 (Giftinformationszentrale)</b> |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

|                           |                      |
|---------------------------|----------------------|
| <b>Skin sensitization</b> | Category 1A - (H317) |
|---------------------------|----------------------|

### 2.2. Label elements



**Signal word:** Warning

**Hazard components for labeling:**

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Contains 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone, 1,2-Benzisothiazol-3(2H)-one, 3(2H)-Isothiazolone, 2-methyl-

## Hazard statements:

H317 - May cause an allergic skin reaction.

## EU Specific Hazard Statements:

### Precautionary Statements - EU (§28, 1272/2008):

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P280 - Wear protective gloves

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

## 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

| Chemical name  | CAS No     | EC No     | REACH registration number | Classification according to Regulation (EC) No. 1272/2008 [CLP]  | Weight-%        |
|--|------------|-----------|---------------------------|--|-----------------|
| Silica, cristobalite   | 14464-46-1 | 238-455-4 | -                         | STOT RE 1 (H372)   | 5 - < 10        |
| 1,2-Benzisothiazol-3(2H)-one   | 2634-33-5  | 220-120-9 | 01-2120761540-60          | Acute Tox. 4 (H302)<br>Skin Irrit. 2 (H315)<br>Skin Sens. 1 (H317)<br>Eye Dam. 1 (H318)<br>Acute Tox. 2 (H330)<br>Aquatic Acute 1 (H400)<br>Aquatic Chronic 2 (H411)                                     | 0.005 - < 0.01  |
| 3(2H)-Isothiazolone, 2-methyl-   | 2682-20-4  | 220-239-6 | 01-2120764690-50          | Acute Tox. 3 (H301)<br>Acute Tox. 3 (H311)<br>Skin Corr. 1B (H314)<br>Skin Sens. 1A (H317)<br>Eye Dam. 1 (H318)<br>Acute Tox. 2 (H330)<br>Aquatic Acute 1 (H400)<br>Aquatic Chronic 1 (H410)<br>(EUH071) | 0.005 - < 0.01  |
| 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone | 55965-84-9 | -         | 01-2120764691-48          | Acute Tox. 3 (H301)<br>Acute Tox. 2 (H310)<br>Skin Corr. 1B (H314)<br>Skin Sens. 1A (H317)<br>Eye Dam. 1 (H318)  | 0.001 - < 0.005 |

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|  |  |  |  |   |  |
|--|--|--|--|---|--|
|  |  |  |  | Acute Tox. 2 (H330)<br>Aquatic Acute 1 (H400)<br>Aquatic Chronic 1 (H410)<br>(EUH071) |  |
|--|--|--|--|---|--|

| Chemical name   | Specific concentration limit (SCL)  | M-Factor | M-Factor (long-term) | Notes |
|---|---|----------|----------------------|-------|
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5   | Skin Sens. 1 :: C>=0.05%  |          |                      |       |
| 3(2H)-Isothiazolone, 2-methyl-<br>2682-20-4   | Skin Sens. 1A :: C>=0.0015%   | 10       | 10                   |       |
| 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with<br>2-methyl-3(2H)-isothiazolone<br>55965-84-9 | Skin Corr. 1C :: C>=0.6%<br>Skin Irrit. 2 :: 0.06%<=C<0.6%<br>Eye Dam. 1 :: C>=0.6%<br>Eye Irrit. 2 :: 0.06%<=C<0.6%<br>Skin Sens. 1A :: C>=0.0015% | 100      | 100                  |       |

## Acute Toxicity Estimate:

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

| Chemical name   | Oral LD50 | Dermal LD50       | Inhalation LC50 - 4 hour - dust/mist - mg/L | Inhalation LC50 - 4 hour - vapor - mg/L | Inhalation LC50 - 4 hour - gas - ppm |
|---|-----------|-------------------|---|---|--------------------------------------|
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5   | 490       | No data available | 0.0501                                      | 0.501                                   | No data available                    |
| 3(2H)-Isothiazolone, 2-methyl-<br>2682-20-4   | 120       | 242               | 0.34  | 0.501                                   | No data available                    |
| 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with<br>2-methyl-3(2H)-isothiazolone<br>55965-84-9 | 457       | 660               | 0.0501                                      | 0.501                                   | No data available                    |

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                 |  |
|-----------------|--|
| General advice: | Show this safety data sheet to the doctor in attendance.   |
| Inhalation:     | Remove to fresh air.   |
| Eye contact:    | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.                 |
| Skin contact:   | Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician. |
| Ingestion:      | Rinse mouth.   |

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

Symptoms: Itching. Rashes. Hives.

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

Note to physicians: May cause sensitization in susceptible persons. Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire: CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media: Do not scatter spilled material with high pressure water streams.

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

Specific hazards arising from the chemical: Product is or contains a sensitizer. May cause sensitization by skin contact.

### 5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters: Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## SECTION 6: Accidental release measures

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

Personal precautions: Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

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

### 6.2. Environmental precautions

Environmental precautions: See Section 12 for additional Ecological Information.

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

Methods for containment: Prevent further leakage or spillage if safe to do so.

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

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



Advice on safe handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice.

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

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place.

### 7.3. Specific end use(s)

Other information: No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Exposure Limits:

| Chemical name                      | European Union             | Germany | Netherlands                     | Spain                       | United Kingdom             | Hungary                     |
|------------------------------------|----------------------------|---------|---------------------------------|-----------------------------|----------------------------|-----------------------------|
| Silica, cristobalite<br>14464-46-1 | TWA: 0.1 mg/m <sup>3</sup> |         | TWA: 0.075<br>mg/m <sup>3</sup> | TWA: 0.05 mg/m <sup>3</sup> | TWA: 0.1 mg/m <sup>3</sup> | TWA: 0.15 mg/m <sup>3</sup> |

| Chemical name                      | France                      | Italy | Portugal                        | Finland                     | Denmark  | Czech Republic             |
|------------------------------------|-----------------------------|-------|---------------------------------|-----------------------------|--|----------------------------|
| Silica, cristobalite<br>14464-46-1 | TWA: 0.05 mg/m <sup>3</sup> |       | TWA: 0.025<br>mg/m <sup>3</sup> | TWA: 0.05 mg/m <sup>3</sup> | TWA: 0.15 mg/m <sup>3</sup><br>TWA: 0.05 mg/m <sup>3</sup> | TWA: 0.1 mg/m <sup>3</sup> |

| Chemical name                                  | Austria                     | Switzerland   | Poland                     | Norway   | Ireland   | Russia  |
|--|-----------------------------|---|----------------------------|--|---|---|
| Silica, cristobalite<br>14464-46-1             | TWA: 0.15 mg/m <sup>3</sup> | TWA: 0.15 mg/m <sup>3</sup>                               | TWA: 0.1 mg/m <sup>3</sup> | TWA: 0.15 mg/m <sup>3</sup><br>TWA: 0.05 mg/m <sup>3</sup><br>STEL: 0.45 mg/m <sup>3</sup><br>STEL: 0.15 mg/m <sup>3</sup> | TWA: 0.1 mg/m <sup>3</sup><br>STEL: 0.3 mg/m <sup>3</sup> | TWA: 1 mg/m <sup>3</sup><br>STEL: 3 mg/m <sup>3</sup> |
| 3(2H)-Isothiazolone,<br>2-methyl-<br>2682-20-4 | TWA: 0.05 mg/m <sup>3</sup> | TWA: 0.2 mg/m <sup>3</sup><br>STEL: 0.4 mg/m <sup>3</sup> |                            |  |   |   |
| 5-Chloro-2-methyl-3(2H)-i                      | TWA: 0.05 mg/m <sup>3</sup> |   |                            |  |   |   |

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| Chemical name   | Austria | Switzerland | Poland | Norway | Ireland | Russia |
|---|---------|-------------|--------|--------|---------|--------|
| sothiazolone, mixture with 2-methyl-3(2H)-isothiazolone<br>55965-84-9 |         |             |        |        |         |        |

Biological occupational exposure limits:

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

Derived No Effect Level (DNEL):

component information:

Worker - inhalative:

| Chemical name  | long term, systemic     | short term, systemic | long term, local        | short term, local       |
|--|-------------------------|----------------------|-------------------------|-------------------------|
| 1,2-Benzisothiazol-3(2H)-one   | 6.81 mg/m <sup>3</sup>  |                      |                         |                         |
| 3(2H)-Isothiazolone, 2-methyl-   | 0.043 mg/m <sup>3</sup> |                      | 0.043 mg/m <sup>3</sup> | 0.043 mg/m <sup>3</sup> |
| 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone | 0.02 mg/m <sup>3</sup>  |                      | 0.02 mg/m <sup>3</sup>  | 0.04 mg/m <sup>3</sup>  |

Worker - dermal:

| Chemical name                | long term, systemic | short term, systemic | long term, local | short term, local |
|------------------------------|---------------------|----------------------|------------------|-------------------|
| 1,2-Benzisothiazol-3(2H)-one | 966 mg/kg bw/day    |                      |                  |                   |

Consumer - inhalative:

| Chemical name  | long term, systemic   | short term, systemic | long term, local        | short term, local       |
|--|-----------------------|----------------------|-------------------------|-------------------------|
| 1,2-Benzisothiazol-3(2H)-one   | 1.2 mg/m <sup>3</sup> |                      |                         |                         |
| 3(2H)-Isothiazolone, 2-methyl-   |                       |                      | 0.043 mg/m <sup>3</sup> | 0.043 mg/m <sup>3</sup> |
| 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone |                       |                      | 0.02 mg/m <sup>3</sup>  | 0.04 mg/m <sup>3</sup>  |

Consumer - dermal:

| Chemical name                | long term, systemic | short term, systemic | long term, local | short term, local |
|------------------------------|---------------------|----------------------|------------------|-------------------|
| 1,2-Benzisothiazol-3(2H)-one | 345 mg/kg bw/day    |                      |                  |                   |

consumer - oral:

| Chemical name  | long term, systemic | short term, systemic | long term, local | short term, local |
|--|---------------------|----------------------|------------------|-------------------|
| 3(2H)-Isothiazolone, 2-methyl-   | 0.027 mg/kg bw/day  | 0.053 mg/kg bw/day   |                  |                   |
| 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone | 0.09 mg/kg bw/day   | 0.11 mg/kg bw/day    |                  |                   |

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Predicted No Effect Concentration (PNEC):

component information:

| Chemical name        | 1,2-Benzisothiazol-3(2H)-one |
|----------------------|------------------------------|
| Freshwater           | 4.03 µg/L                    |
| Marine water         | 0.403 µg/L                   |
| Intermittent release | 1.1 µg/L                     |
| Freshwater sediment  | 0.0499 mg/kg dry weight      |
| Marine sediment      | 0.00499 mg/kg dry weight     |
| Soil                 | 0.0471 mg/kg                 |

| Chemical name        | 3(2H)-Isothiazolone, 2-methyl- |
|----------------------|--------------------------------|
| Freshwater           | 0.00339 mg/L                   |
| Marine water         | 0.00339 mg/L                   |
| Intermittent release | 0.00339 mg/L                   |

| Chemical name        | 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone |
|----------------------|--|
| Freshwater           | 0.00339 mg/L   |
| Marine water         | 3.39 µg/L  |
| Intermittent release | 3.39 µg/L  |
| Freshwater sediment  | 0.027 mg/kg dry weight   |
| Marine sediment      | 0.027 mg/kg dry weight   |
| Soil                 | 0.01 mg/kg dry weight  |

## 8.2. Exposure controls

Engineering controls: None under normal use conditions.

Personal protective equipment:



Eye/face protection: Wear safety glasses with side shields (or goggles).

Hand protection: Wear suitable gloves.

| PPE - Glove material | Glove thickness | Break through time |
|----------------------|-----------------|--------------------|
| NBR (Nitrile rubber) | 0.4 mm          | >=480 min.         |

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Recommended Filter Type: Filtering device (full mask or mouthpiec AP-2

Environmental exposure controls: No information available.

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## SECTION 9: Physical and chemical properties

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

|                               |                |                   |                   |                   |               |                 |
|-------------------------------|----------------|-------------------|-------------------|-------------------|---------------|-----------------|
| Appearance                    | Liquid         |                   |                   |                   |               |                 |
| Color                         | gray           |                   |                   |                   |               |                 |
| Odor                          | characteristic |                   |                   |                   |               |                 |
| Melting point / melting range |                |                   |                   | <i>Conditions</i> | <i>Method</i> | <i>Remarks</i>  |
|                               |                |                   |                   |                   |               | Not established |
| Boiling point / boiling range | >              | 107               | °C                |                   |               |                 |
| Flammability                  |                |                   |                   |                   |               | Not established |
| Decomposition temperature     |                |                   |                   |                   |               | not relevant    |
| Flash point                   |                |                   |                   |                   |               | Not established |
| Autoignition temperature      |                |                   |                   |                   |               | None known      |
| Lower explosive limit         |                |                   |                   |                   |               | not relevant    |
| Upper explosion limit         |                |                   |                   |                   |               | not relevant    |
| Vapor pressure                |                |                   |                   |                   |               | Not established |
| Density                       | ~              | 1.155             | g/cm <sup>3</sup> | 20 °C             |               |                 |
| Water solubility              |                |                   |                   |                   |               | Miscible        |
| pH                            |                | 8 - 9             |                   | 20 °C             |               |                 |
| pH (as aqueous solution)      |                |                   |                   |                   |               | Not established |
| Partition coefficient         |                |                   |                   |                   |               | Not established |
| Kinematic viscosity           |                |                   |                   |                   |               | Not applicable  |
| Odor threshold                |                |                   |                   |                   |               | Not established |
| Relative density              |                |                   |                   |                   |               | Not established |
| Evaporation rate              |                |                   |                   |                   |               | Not established |
| Relative vapor density        |                | no data available |                   |                   |               |                 |
| Particle Size                 |                | no data available |                   |                   |               |                 |
| Particle Size Distribution    |                | no data available |                   |                   |               |                 |

### 9.2. Other information

|                 |                          |
|-----------------|--------------------------|
| Bulk density:   | no data available        |
| Softening point | No information available |



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**Molecular weight** No information available

## 9.2.1. Information with regard to physical hazard classes:

Explosive properties Not an explosive  
Oxidizing properties Not oxidising.

9.2.2. Other safety characteristics: No information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity: No information available.

### 10.2. Chemical stability

Stability: Stable under normal conditions.

Explosion data:

Sensitivity to mechanical impact: None.  
Sensitivity to static discharge: None.

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions: None under normal processing.

### 10.4. Conditions to avoid

Conditions to avoid: None known based on information supplied.

### 10.5. Incompatible materials

Incompatible materials: None known based on information supplied.

### 10.6. Hazardous decomposition products

Hazardous decomposition products: None known based on information supplied.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Information on likely routes of exposure:

Product Information:

Inhalation: Specific test data for the substance or mixture is not available.

Eye contact: Specific test data for the substance or mixture is not available.

Skin contact: May cause sensitization by skin contact. Specific test data for the substance or mixture

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is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components).

Ingestion: Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics:

Symptoms: Itching. Rashes. Hives.

Numerical measures of toxicity:

Acute toxicity: No information available

Component Information:

| Chemical name  | Parameter | Species | effective Dosis | Method |
|--|-----------|---------|-----------------|--------|
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5  | Oral LD50 | Rat     | 490 mg/kg       |        |
| 3(2H)-Isothiazolone, 2-methyl-<br>2682-20-4  | Oral LD50 | Rat     | 120 mg/kg       |        |
| 5-Chloro-2-methyl-3(2H)-isothiazolone,<br>mixture with<br>2-methyl-3(2H)-isothiazolone<br>55965-84-9 | Oral LD50 | Rat     | 457 mg/kg       |        |

| Chemical name  | Parameters  | Species | Effective dose | Method |
|--|-------------|---------|----------------|--------|
| 3(2H)-Isothiazolone, 2-methyl-<br>2682-20-4  | Dermal LD50 | Rabbit  | 200 mg/kg      |        |
| 5-Chloro-2-methyl-3(2H)-isothiazolone,<br>mixture with<br>2-methyl-3(2H)-isothiazolone<br>55965-84-9 | Dermal LD50 | Rabbit  | 660 mg/kg      |        |

| Chemical name  | Parameters      | Species | Effective dose               | Exposure time | Method |
|--|-----------------|---------|------------------------------|---------------|--------|
| 3(2H)-Isothiazolone, 2-methyl-<br>2682-20-4  | Inhalation LC50 | Rat     | 0.34 mg/L                    | 4 h           |        |
| 5-Chloro-2-methyl-3(2H)-isothiazolone,<br>mixture with<br>2-methyl-3(2H)-isothiazolone<br>55965-84-9 | Inhalation LC50 | Rat     | 171 - 2360 mg/m <sup>3</sup> | 4 h           |        |

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

Skin corrosion/irritation: No information available.

Serious eye damage/eye irritation: No information available.

Respiratory or skin sensitization: May cause sensitization by skin contact.

Germ cell mutagenicity: No information available.

Carcinogenicity: No information available.

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|                           |  |
|---------------------------|--|
| Reproductive toxicity:    | No information available.  |
| STOT - single exposure:   | No information available.  |
| STOT - repeated exposure: | Classification not applicable. Due to the incorporation of the fine particles into the material matrix, no formation of alveolar dust particles is possible. |

| Chemical name                      | Exposure route | Target Organs |
|------------------------------------|----------------|---------------|
| Silica, cristobalite<br>14464-46-1 | Inhalation     | lung          |

Aspiration hazard: No information available.

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

No information available.

### 11.2.2. Other information

No information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecotoxicity:

fish toxicity:

| Chemical name  | Parameter | Species             | Effective dose | Exposure time | Method   |
|--|-----------|---------------------|----------------|---------------|----------|
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5  | LC50      |                     | 2.15 mg/L      | 96 h          |          |
| 3(2H)-Isothiazolone, 2-methyl-<br>2682-20-4  | LC50      |                     | 4.77 mg/L      | 96 h          |          |
| 5-Chloro-2-methyl-3(2H)-isothi-<br>azolone, mixture with<br>2-methyl-3(2H)-isothiazolone<br>55965-84-9 | LC50      | Oncorhynchus mykiss | 0.22 mg/L      | 96 h          | OECD 203 |

toxicity to crustacea:

| Chemical name  | Parameter | Species       | Effective dose | Exposure time | Method   |
|--|-----------|---------------|----------------|---------------|----------|
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5  | EC50      |               | 2.9 mg/L       | 48 h          |          |
| 3(2H)-Isothiazolone, 2-methyl-<br>2682-20-4  | LC50      |               | 0.934 mg/L     | 48 h          |          |
| 5-Chloro-2-methyl-3(2H)-isothi-<br>azolone, mixture with<br>2-methyl-3(2H)-isothiazolone | EC50      | Daphnia magna | 0.1 mg/L       | 48 h          | OECD 202 |

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| Chemical name | Parameter | Species | Effective dose | Exposure time | Method |
|---------------|-----------|---------|----------------|---------------|--------|
| 55965-84-9    |           |         |                |               |        |

Algae Toxicity:

| Chemical name  | Parameter | Species                            | Effective dose | Exposure time | Method   |
|--|-----------|------------------------------------|----------------|---------------|----------|
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5  | EC50      |                                    | 0.11 mg/L      | 72 h          |          |
| 3(2H)-Isothiazolone, 2-methyl-<br>2682-20-4  | EC50      |                                    | 0.103 mg/L     | 72 h          |          |
| 5-Chloro-2-methyl-3(2H)-isothi-<br>azolone, mixture with<br>2-methyl-3(2H)-isothiazolone<br>55965-84-9 | EC50      | Pseudokirchneriella<br>subcapitata | 0.048 mg/L     | 72 h          | OECD 201 |

Bacteria toxicity:

| Chemical name  | Parameters | Species          | Effective dose | Exposure time | Method |
|--|------------|------------------|----------------|---------------|--------|
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5  | EC50       |                  | 12.8 mg/L      | 3 h           |        |
| 3(2H)-Isothiazolone, 2-methyl-<br>2682-20-4  | EC50       |                  | 41 mg/L        | 3 h           |        |
| 5-Chloro-2-methyl-3(2H)-isothi-<br>azolone, mixture with<br>2-methyl-3(2H)-isothiazolone<br>55965-84-9 | EC50       | activated sludge | 7.92 mg/L      | 3 h           |        |

## 12.2. Persistence and degradability

Persistence and degradability:

| Chemical name   | degradation rate | test duration | Rapidly biodegradable | Remarks | Method   |
|---|------------------|---------------|-----------------------|---------|----------|
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5   | 100 %            | 0.04 d        | Yes                   |         | OECD 307 |
| 3(2H)-Isothiazolone,<br>2-methyl-<br>2682-20-4  | 100 %            | 0.07 d        | Yes                   |         |          |
| 5-Chloro-2-methyl-3(2H)-i-<br>sothiazolone, mixture with<br>2-methyl-3(2H)-isothiazol-<br>one<br>55965-84-9 | > 60 %           | 28 d          | Yes                   |         | OECD 301 |

## 12.3. Bioaccumulative potential

Bioaccumulation:

| Chemical name                | Partition coefficient | Bioconcentration factor (BCF) |
|------------------------------|-----------------------|-------------------------------|
| 1,2-Benzisothiazol-3(2H)-one |                       | 6.62                          |

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|   |        |      |
|---|--------|------|
| 2634-33-5   |        |      |
| 3(2H)-Isothiazolone, 2-methyl-2682-20-4   |        | 3.16 |
| 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9 | < 0.71 | 3.16 |

## 12.4. Mobility in soil

Mobility in soil: No information available.

Mobility: No information available.

## 12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment:

| Chemical name   | PBT and vPvB assessment         |
|---|---------------------------------|
| 1,2-Benzisothiazol-3(2H)-one 2634-33-5  | The substance is not PBT / vPvB |
| 3(2H)-Isothiazolone, 2-methyl-2682-20-4   | The substance is not PBT / vPvB |
| 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9 | The substance is not PBT / vPvB |

## 12.6. Endocrine disrupting properties.

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 in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging: Do not reuse empty containers.

Waste codes / waste designations according to EWC / AVV: 08 01 12 (waste paint and varnish other than those mentioned in 08 01 11)

## SECTION 14: Transport information

### 14.1. UN number

ADR: Not regulated  
RID: Not regulated  
IMDG: Not regulated

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IATA: Not regulated

## 14.2 UN proper shipping name

ADR: Not regulated  
RID: Not regulated  
IMDG: Not regulated  
IATA: Not regulated

## 14.3. Transport hazard class(es)

ADR: Not regulated  
RID: Not regulated  
IMDG: Not regulated  
IATA: Not regulated

## 14.4. Packing group

ADR: Not regulated  
RID: Not regulated  
IMDG: Not regulated  
IATA: Not regulated

## 14.5. Environmental hazards

ADR: Not regulated  
RID: Not regulated  
IMDG: Not regulated  
IATA: Not regulated

## 14.6. Special precautions for user

ADR: Not regulated  
RID: Not regulated  
IMDG: Not regulated  
IATA: Not regulated

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

No information available

## SECTION 15: Regulatory information

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

#### European Union:

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:

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

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| Chemical name   | Substance subject to authorization per REACH Annex XIV | Restricted substance per REACH Annex XVII |
|---|--|---|
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5   |  | 75.                                       |
| 3(2H)-Isothiazolone, 2-methyl-<br>2682-20-4   |  | 75.                                       |
| 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture<br>with 2-methyl-3(2H)-isothiazolone<br>55965-84-9 |  | 3   |

Persistent Organic Pollutants: Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009: Not applicable

volatile organic compounds (VOC) content:

acc. reg. 2010/75/EG: 1.4 %

acc. reg. 2004/42/EG (Decopaint): 16 g/L

## National regulations:

Denmark:

| Chemical name                               | Denmark - MAL  |
|---|--|
| Silica, cristobalite<br>14464-46-1          | 0 m3/10 g substance MAL factor<br>0.1 mg/m <sup>3</sup> Limit Value respirable<br>>=0.1 - 2 % by weight [3]<br>>=1 - 10 % by weight [3]<br>>=10 % by weight [6]<br>>=2 % by weight [6] |
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5   | 0 m3/10 g substance MAL factor<br>>=1.0 % by weight [3]  |
| 3(2H)-Isothiazolone, 2-methyl-<br>2682-20-4 | 0 m3/10 g substance MAL factor<br>>=0.03 - 1.0 % by weight [3]<br>>=0.003 - 1.0 % by weight [3]<br>>=1.0 % by weight [6]   |

Germany:

Water hazard class (WGK): slightly hazardous to water (WGK 1) - Classification according to AwSV

| Chemical name   | WGK Classification (AwSV) | ID number |
|---|---------------------------|-----------|
| Silica, cristobalite<br>14464-46-1  | nwg                       | 849       |
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5   | 2                         | 5141      |
| 3(2H)-Isothiazolone, 2-methyl-<br>2682-20-4   | 3                         | 2960      |
| 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture<br>with 2-methyl-3(2H)-isothiazolone<br>55965-84-9 | 3                         | 2959      |

TA Luft (German Air Pollution Control Regulation):

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total dust incl. fine dust (digit 5.2.1): 30 - 35%  
org. substances (Ziffer 5.2.5): < 5%  
org. subst. (digit 5.2.5) class I: < 5%

Storage class (TRGS 510): 12 • LGK12 - Non-combustible liquids

France:

Occupational Illnesses (R-463-3, France):

| Chemical name                             | French RG number |
|---|------------------|
| Silica, cristobalite<br>14464-46-1        | RG 25            |
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5 | RG 65            |

RG 25 - Conditions resulting from inhalation of mineral dusts containing crystalline silica (quartz, cristobalite, tridymite), crystalline silicates (kaolin, talc), graphite, or coal.  
RG 65 - Allergic eczema

Netherlands:

| Chemical name                      | Netherlands - List of Carcinogens | Netherlands - List of Mutagens | Netherlands - List of Reproductive Toxins | ZZS list: SVHC | (p)ZZS list: potential SVHC |
|------------------------------------|-----------------------------------|--------------------------------|---|----------------|-----------------------------|
| Silica, cristobalite<br>14464-46-1 | Present<br>X                      |                                |   |                |                             |

Austria:

Flammable Liquids Regulations, VbF: Not regulated

Switzerland:

VOC content:: acc. VOCV CH 814.018, att. 1: 0.64 %

## International Inventories:

TSCA Does not comply  
DSL/NDSL Does not comply  
EINECS/ELINCS Does not comply  
ENCS Does not comply  
IECSC Does not comply  
KECL Does not comply  
PICCS Does not comply  
AICS Does not comply

## Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances



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**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

## 15.2. Chemical safety assessment

Chemical Safety Report: No information available

## 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:

EUH071 - Corrosive to the respiratory tract

H301 - Toxic if swallowed

H302 - Harmful if swallowed

H310 - Fatal in contact with skin

H311 - Toxic in contact with skin

H314 - Causes severe skin burns and eye damage

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

H330 - Fatal if inhaled

H372 - Causes damage to organs through prolonged or repeated exposure

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

H411 - Toxic to aquatic life with long lasting effects

Legend:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)

ADR: European agreement concerning the international carriage of dangerous goods by road  
(Accord européen relatif transport des marchandises dangereuses par route)

AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany)

BCF: Bio-Concentration Factor

BOD(5): Biochemical oxygen demand (within 5 days)

CAS: Chemical Abstract Service

CLP: Classification, Labelling and Packaging

CMR: Carcinogenic, Mutagenic, toxic for Reproduction

DIN: German Standards Institute / German industrial norm

DNEL: Derived No Effect Level

DOC: Dissolved organic carbon

EAK/ AVV: European waste catalogue/ waste directory-regulation

EC50: Effective Concentration 50%

ECHA: European Chemical Agency

EINECS: European Inventory of Existing Commercial Chemical Substances

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

IATA: International Air Transport Association

IC50: Inhibition Concentration 50%

IMDG: International Maritime Dangerous Goods Code

LC50: Lethal Concentration 50% - LD50: Lethal dose 50%

MAK: Treshold limit values Germany

NLP: No Longer Polymers

NOAEC: No Observed Adverse Effect Concentration

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NOAEL: No Observed Adverse Effect Level  
OECD: Organization for Economic Cooperation and Development  
PBT: persistent, bioaccumulative, toxic  
PC: Product category  
PNEC: Predicted No Effect Concentration  
REACH: Registration, Evaluation and Authorization of Chemicals  
RID: Regulations concerning the international carriage of dangerous goods by rail  
(Règlement International concernant le transport de marchandises dangereuses par chemin de fer)  
STEL: Short-term Exposure Limit  
STP: Sewage treatment plant  
SVHC: Substance of Very High Concern  
TLV: Threshold Limit Value  
TWA: Time Weighted Average  
UN: United Nations  
VOC: Volatile Organic Compounds  
vPvB: very persistent, very bioaccumulative

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ceiling: Maximum limit value

\* Skin designation

| Classification procedure  |                       |
|---|-----------------------|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used           |
| Acute oral toxicity   | Calculation method    |
| Acute dermal toxicity   | Calculation method    |
| Acute inhalation toxicity - gas                                 | Calculation method    |
| Acute inhalation toxicity - vapor                               | Calculation method    |
| Acute inhalation toxicity - dust/mist                           | Calculation method    |
| Skin corrosion/irritation                                       | Calculation method    |
| Serious eye damage/eye irritation                               | Calculation method    |
| Respiratory sensitization                                       | Calculation method    |
| Mutagenicity  | Calculation method    |
| Carcinogenicity   | Calculation method    |
| Reproductive toxicity   | Calculation method    |
| STOT - single exposure  | Calculation method    |
| STOT - repeated exposure  | On basis of test data |
| Acute aquatic toxicity  | Calculation method    |
| Chronic aquatic toxicity  | Calculation method    |
| Aspiration hazard   | Calculation method    |
| Ozone   | Calculation method    |

Key literature references and sources for data used to compile the SDS:

European Chemicals Agency (ECHA)

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGl(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

Japan GHS Classification

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

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NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
RTECS (Registry of Toxic Effects of Chemical Substances)  
World Health Organization

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

## Disclaimer:

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**End of Safety Data Sheet**