



## Safety Data Sheet according to Regulation (EC) No 1907/2006

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Ceresit CT 60/BASE\_2016/1,5 mm

SDS No. : 563088  
V002.0

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

#### 1.1. Product identifier

Ceresit CT 60/BASE\_2016/1,5 mm

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

Intended use:

Plaster

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

Henkel Polska Sp. z o.o.

ul. Domaniewska 41

02-672 Warszawa

Poland

Phone: +48 (048) 22 5656 600

Fax-no.: +48 (048) 22 5656 666

ua-productsafety.de@henkel.com

#### 1.4. Emergency telephone number

The Henkel information service also provides an around-the-clock telephone service on phone no.+49-(0)211-797-3350 for exceptional cases.

Further information is available at Poison Control Centers.

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (CLP):

The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

#### 2.2. Label elements

##### Label elements (CLP):

The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

##### Supplemental information

Contains 1,2-Benzisothiazol-3(2H)-one; Isothiazolinone mixture 3:1 (CIT/MIT). May produce an allergic reaction.

##### Precautionary statement:

P102 Keep out of reach of children.

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

P262 Do not get in eyes, on skin, or on clothing.

P271 Use only outdoors or in a well-ventilated area.

**2.3. Other hazards**

None if used properly.

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****General chemical description:**

Coatings

**Base substances of preparation:**

Plaster

**Declaration of the ingredients according to CLP (EC) No 1272/2008:**

| Hazardous components<br>CAS-No.                     | EC Number<br>REACH-Reg No.    | content       | Classification  |
|---|-------------------------------|---------------|---|
| Bismuth vanadium tetraoxide<br>14059-33-7           | 237-898-0                     | 1- < 5 %      | STOT RE 2; Inhalation<br>H373   |
| Chrome antimony titanium buff rutile<br>68186-90-3  | 269-052-1                     | 1- < 5 %      |   |
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5           | 220-120-9                     | 50- < 500 PPM | Aquatic Acute 1<br>H400<br>Aquatic Chronic 2<br>H411<br>Acute Tox. 4; Oral<br>H302<br>Skin Irrit. 2<br>H315<br>Skin Sens. 1<br>H317<br>Eye Dam. 1<br>H318   |
| Isothiazolinone mixture 3:1 (CIT/MIT)<br>55965-84-9 |                               | 1,5- < 15 PPM | Acute Tox. 3; Inhalation<br>H331<br>Acute Tox. 3; Dermal<br>H311<br>Acute Tox. 3; Oral<br>H301<br>Skin Corr. 1B<br>H314<br>Skin Sens. 1<br>H317<br>Aquatic Acute 1<br>H400<br>Aquatic Chronic 1<br>H410<br>M factor (Acute Aquat Tox): 10 |
| Chromium (III) oxide<br>1308-38-9                   | 215-160-9<br>01-2119433951-39 | 1- < 5 %      |   |

For full text of the H - statements and other abbreviations see section 16 "Other information".

Substances without classification may have community workplace exposure limits available.

**SECTION 4: First aid measures****4.1. Description of first aid measures**

General information:

In case of adverse health effects seek medical advice.

**Inhalation:**

Move to fresh air, consult doctor if complaint persists.

**Skin contact:**

Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing.

**Eye contact:**

Rinse immediately with plenty of running water, seek medical advice if necessary.

**Ingestion:**

Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.

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

No data available.

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

See section: Description of first aid measures

## SECTION 5: Firefighting measures

**5.1. Extinguishing media**

**Suitable extinguishing media:**

carbon dioxide, foam, powder, water spray jet, fine water spray

**Extinguishing media which must not be used for safety reasons:**

High pressure waterjet

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

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) can be released.

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus.

Wear protective equipment.

## SECTION 6: Accidental release measures

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

Wear protective equipment.

Avoid contact with skin and eyes.

Danger of slipping on spilled product.

**6.2. Environmental precautions**

Do not empty into drains / surface water / ground water.

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

Remove mechanically.

Dispose of contaminated material as waste according to Section 13.

**6.4. Reference to other sections**

See advice in section 8

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**

Avoid skin and eye contact.

**Hygiene measures:**

Wash hands before work breaks and after finishing work.

Do not eat, drink or smoke while working.

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

Store in a cool, frost-free place.

Store in sealed original container.

Protect from direct sunlight.

Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

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

Plaster

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational Exposure Limits

Valid for  
Germany

| Ingredient [Regulated substance]   | ppm | mg/m <sup>3</sup> | Value type                          | Short term exposure limit category / Remarks   | Regulatory list |
|--|-----|-------------------|-------------------------------------|--|-----------------|
| Titanium dioxide<br>13463-67-7   |     |                   | Short Term Exposure Classification: | Category II: substances with a resorptive effect.  | TRGS 900        |
| Titanium dioxide<br>13463-67-7   |     | 1,25              | Exposure limit(s):                  |  | TRGS 900        |
| Titanium dioxide<br>13463-67-7   |     | 10                | Exposure limit(s):                  | 2  | TRGS 900        |
| Bismuth vanadium tetraoxide<br>14059-33-7  |     |                   | Short Term Exposure Classification: | Category I: substances for which the localized effect has an assigned OEL or for substances with a sensitizing effect in respiratory passages. | TRGS 900        |
| Bismuth vanadium tetraoxide<br>14059-33-7  |     |                   | Short Term Exposure Classification: | Category I: substances for which the localized effect has an assigned OEL or for substances with a sensitizing effect in respiratory passages. | TRGS 900        |
| Bismuth vanadium tetraoxide<br>14059-33-7  |     | 0,005             | Exposure limit(s):                  | 1<br>If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7).                             | TRGS 900        |
| Bismuth vanadium tetraoxide<br>14059-33-7  |     | 0,03              | Exposure limit(s):                  | 1<br>If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7).                             | TRGS 900        |
| Chrome antimony titanium buff rutile<br>68186-90-3   |     | 2                 | Exposure limit(s):                  | 1  | TRGS 900        |
| Chrome antimony titanium buff rutile<br>68186-90-3   |     |                   | Short Term Exposure Classification: | Category I: substances for which the localized effect has an assigned OEL or for substances with a sensitizing effect in respiratory passages. | TRGS 900        |
| Chrome antimony titanium buff rutile<br>68186-90-3<br>[CHROMIUM METAL, INORGANIC CHROMIUM(II) COMPOUNDS AND INORGANIC CHROMIUM(III) COMPOUNDS (INSOLUBLE)] |     | 2                 | Time Weighted Average (TWA):        | Indicative   | ECLTV           |
| Chromium (III) oxide<br>1308-38-9<br>[CHROMIUM METAL, INORGANIC CHROMIUM(II) COMPOUNDS AND INORGANIC CHROMIUM(III) COMPOUNDS (INSOLUBLE)]                  |     | 2                 | Time Weighted Average (TWA):        | Indicative   | ECLTV           |
| Chromium (III) oxide<br>1308-38-9  |     | 2                 | Exposure limit(s):                  | 1  | TRGS 900        |
| Chromium (III) oxide<br>1308-38-9  |     |                   | Short Term Exposure Classification: | Category I: substances for which the localized effect has an assigned OEL or for substances with a sensitizing effect in respiratory passages. | TRGS 900        |

**Predicted No-Effect Concentration (PNEC):**

| Name on list                      | Environmental Compartment    | Exposure period | Value |     |            |             | Remarks |
|-----------------------------------|------------------------------|-----------------|-------|-----|------------|-------------|---------|
|                                   |                              |                 | mg/l  | ppm | mg/kg      | others      |         |
| Chromium (III) oxide<br>1308-38-9 | soil                         |                 |       |     | 3,2 mg/kg  |             |         |
| Chromium (III) oxide<br>1308-38-9 | sewage treatment plant (STP) |                 |       |     |            | 10 mg/L     |         |
| Chromium (III) oxide<br>1308-38-9 | sediment (marine water)      |                 |       |     | 1,31 mg/kg |             |         |
| Chromium (III) oxide<br>1308-38-9 | aqua (marine water)          |                 |       |     |            | 0,0047 mg/L |         |
| Chromium (III) oxide<br>1308-38-9 | aqua (intermittent releases) |                 |       |     |            | 0,0047 mg/L |         |
| Chromium (III) oxide<br>1308-38-9 | sediment (freshwater)        |                 |       |     | 18,2 mg/kg |             |         |
| Chromium (III) oxide<br>1308-38-9 | aqua (freshwater)            |                 |       |     |            | 0,0047 mg/L |         |

**Derived No-Effect Level (DNEL):**

| Name on list                      | Application Area   | Route of Exposure | Health Effect                             | Exposure Time | Value                 | Remarks |
|-----------------------------------|--------------------|-------------------|---|---------------|-----------------------|---------|
| Chromium (III) oxide<br>1308-38-9 | Workers            | Inhalation        | Acute/short term exposure - local effects |               | 2 mg/m <sup>3</sup>   |         |
| Chromium (III) oxide<br>1308-38-9 | Workers            | Inhalation        | Long term exposure - local effects        |               | 0,5 mg/m <sup>3</sup> |         |
| Chromium (III) oxide<br>1308-38-9 | general population | Inhalation        | Long term exposure - local effects        |               | 0,5 mg/m <sup>3</sup> |         |

**Biological Exposure Indices:**

| Ingredient [Regulated substance]           | Parameters | Biological specimen | Sampling time                | Conc.    | Basis of biol. exposure index | Remark | Additional Information |
|--|------------|---------------------|------------------------------|----------|-------------------------------|--------|------------------------|
| Dialuminium cobalt tetraoxide<br>1333-88-6 | Aluminum   | Urine               | Sampling time: End of shift. | 200 µg/l | DE BAT                        |        |                        |

**8.2. Exposure controls:****Respiratory protection:**

Suitable breathing mask when there is inadequate ventilation.

Combination filter: ABEKP (EN 14387)

This recommendation should be matched to local conditions.

**Hand protection:**

Recommended are gloves made from Nitril rubber ( Material thickness >0,1 mm, Perforation time < 30s).Gloves should be replaced after each short time contact or contamination. Available at laboratory specialized trade or at pharmacies / chemist's shops.

**Eye protection:**

Protective goggles

**Skin protection:**

Suitable protective clothing

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|   |                                    |
|---|------------------------------------|
| Appearance  | paste<br>pasty<br>white            |
| Odor  | characteristic                     |
| Odour threshold   | No data available / Not applicable |
| pH<br>( )   | 8,5 - 9                            |
| Initial boiling point                                       | No data available / Not applicable |
| Flash point   | No data available / Not applicable |
| Decomposition temperature                                   | No data available / Not applicable |
| Vapour pressure   | No data available / Not applicable |
| Density<br>( )  | 1,65 g/cm <sup>3</sup>             |
| Bulk density  | No data available / Not applicable |
| Viscosity   | No data available / Not applicable |
| Viscosity (kinematic)                                       | No data available / Not applicable |
| Explosive properties  | No data available / Not applicable |
| Solubility (qualitative)<br>(20 °C (68 °F); Solvent: Water) | Insoluble                          |
| Solidification temperature                                  | No data available / Not applicable |
| Melting point   | No data available / Not applicable |
| Flammability  | No data available / Not applicable |
| Auto-ignition temperature                                   | No data available / Not applicable |
| Explosive limits  | No data available / Not applicable |
| Partition coefficient: n-octanol/water                      | No data available / Not applicable |
| Evaporation rate  | No data available / Not applicable |
| Vapor density   | No data available / Not applicable |
| Oxidising properties  | No data available / Not applicable |

**9.2. Other information**

No data available / Not applicable

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Reaction with acids: production of heat and carbon dioxide.

**10.2. Chemical stability**

Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**

See section reactivity

**10.4. Conditions to avoid**

None if used for intended purpose.

**10.5. Incompatible materials**

See section reactivity.

**10.6. Hazardous decomposition products**

None known.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****General toxicological information:**

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation (EC) No 1272/2008. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

**Sensitizing:**

An allergic reaction cannot be excluded after repeated skin contact.

**Acute oral toxicity:**

| Hazardous components CAS-No.                        | Value type                    | Value           | Route of application | Exposure time | Species | Method           |
|---|-------------------------------|-----------------|----------------------|---------------|---------|------------------|
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5           | Acute toxicity estimate (ATE) | 670 mg/kg       | oral                 |               |         | Expert judgement |
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5           | LD50                          | 670 - 784 mg/kg |                      |               | rat     | EPA Guideline    |
| Isothiazolinone mixture 3:1 (CIT/MIT)<br>55965-84-9 | LD50                          | 53 mg/kg        | oral                 |               | rat     |                  |
| Chromium (III) oxide<br>1308-38-9                   | LD50                          | > 5.000 mg/kg   | oral                 |               | rat     |                  |

**Acute inhalative toxicity:**

| Hazardous components CAS-No. | Value type | Value | Route of application | Exposure time | Species | Method |
|------------------------------|------------|-------|----------------------|---------------|---------|--------|
|------------------------------|------------|-------|----------------------|---------------|---------|--------|

**Acute dermal toxicity:**

| Hazardous components CAS-No.                        | Value type | Value         | Route of application | Exposure time | Species | Method                               |
|---|------------|---------------|----------------------|---------------|---------|--------------------------------------|
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5           | LD50       | > 5.000 mg/kg | dermal               |               | rat     | EPA OPP 81-2 (Acute Dermal Toxicity) |
| Isothiazolinone mixture 3:1 (CIT/MIT)<br>55965-84-9 | LD50       | 660 mg/kg     | dermal               |               | rabbit  | Not specified                        |

**Skin corrosion/irritation:**

| Hazardous components CAS-No.                        | Result                | Exposure time | Species | Method   |
|---|-----------------------|---------------|---------|--|
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5           | moderately irritating | 4 h           | rabbit  | EPA OPP 81-5 (Acute Dermal Irritation)                   |
| Isothiazolinone mixture 3:1 (CIT/MIT)<br>55965-84-9 | corrosive             |               |         |  |
| Chromium (III) oxide<br>1308-38-9                   | not irritating        |               | rabbit  | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |

**Serious eye damage/irritation:**

| Hazardous components CAS-No.              | Result            | Exposure time | Species | Method  |
|---|-------------------|---------------|---------|---|
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5 | highly irritating | 48 h          | rabbit  | EPA OPP 81-4 (Acute Eye Irritation)                   |
| Chromium (III) oxide<br>1308-38-9         | not irritating    |               | rabbit  | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |

**Respiratory or skin sensitization:**

| Hazardous components CAS-No.                        | Result      | Test type                    | Species    | Method                       |
|---|-------------|------------------------------|------------|------------------------------|
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5           | sensitising | Guinea pig maximisation test | guinea pig | Magnusson and Kligman Method |
| Isothiazolinone mixture 3:1 (CIT/MIT)<br>55965-84-9 | Sensitizing |                              | guinea pig |                              |



**Germ cell mutagenicity:**

| Hazardous components<br>CAS-No.               | Result   | Type of study /<br>Route of<br>administration          | Metabolic<br>activation /<br>Exposure time | Species | Method  |
|---|----------|--|--|---------|---|
| 1,2-Benzisothiazol-3(2H)-<br>one<br>2634-33-5 | negative | bacterial reverse<br>mutation assay (e.g<br>Ames test) | with and without                           |         | OECD Guideline 471<br>(Bacterial Reverse Mutation<br>Assay)   |
|   | negative | mammalian cell<br>gene mutation assay                  | with and without                           |         | OECD Guideline 476 (In vitro<br>Mammalian Cell Gene<br>Mutation Test)                                 |
| 1,2-Benzisothiazol-3(2H)-<br>one<br>2634-33-5 | negative | oral: gavage   |  | mouse   | OECD Guideline 474<br>(Mammalian Erythrocyte<br>Micronucleus Test)                                    |
|   | negative | oral: unspecified                                      |  | rat     | OECD Guideline 486<br>(Unscheduled DNA Synthesis<br>(UDS) Test with Mammalian<br>Liver Cells in vivo) |

**Repeated dose toxicity**

| Hazardous components<br>CAS-No.               | Result         | Route of<br>application | Exposure time /<br>Frequency of<br>treatment | Species | Method   |
|---|----------------|-------------------------|--|---------|--|
| 1,2-Benzisothiazol-3(2H)-<br>one<br>2634-33-5 | NOAEL=10 mg/kg | oral: gavage            | 90 daysdaily                                 | rat     | OECD Guideline 408<br>(Repeated Dose 90-Day Oral<br>Toxicity in Rodents) |

**SECTION 12: Ecological information****General ecological information:**

Do not empty into drains, soil or bodies of water.

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation (EC) No 1272/2008. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

## 12.1. Toxicity

| Hazardous components<br>CAS-No.                        | Value<br>type | Value         | Acute<br>Toxicity<br>Study | Exposure<br>time | Species   | Method   |
|--|---------------|---------------|----------------------------|------------------|---|--|
| Bismuth vanadium tetraoxide<br>14059-33-7              | LC50          | > 10.000 mg/l | Fish                       | 96 h             |   | OECD Guideline<br>203 (Fish, Acute<br>Toxicity Test)   |
| Bismuth vanadium tetraoxide<br>14059-33-7              | EC50          | > 100 mg/l    | Daphnia                    | 48 h             | Daphnia magna   | OECD Guideline<br>202 (Daphnia sp.<br>Acute<br>Immobilisation<br>Test)                                   |
| Chrome antimony titanium<br>buff rutile<br>68186-90-3  | LC50          | > 10.000 mg/l | Fish                       | 96 h             | Leuciscus idus  | DIN 38412-15   |
| Chrome antimony titanium<br>buff rutile<br>68186-90-3  | EC50          | > 100 mg/l    | Daphnia                    | 48 h             | Daphnia magna   | OECD Guideline<br>202 (Daphnia sp.<br>Acute<br>Immobilisation<br>Test)                                   |
| Chrome antimony titanium<br>buff rutile<br>68186-90-3  | EC50          | > 100 mg/l    | Algae                      | 72 h             | Scenedesmus subspicatus (new<br>name: Desmodesmus<br>subspicatus) | OECD Guideline<br>201 (Alga, Growth<br>Inhibition Test)  |
| Chrome antimony titanium<br>buff rutile<br>68186-90-3  | NOEC          | > 100 mg/l    | Algae                      | 72 h             | Scenedesmus subspicatus (new<br>name: Desmodesmus<br>subspicatus) | OECD Guideline<br>201 (Alga, Growth<br>Inhibition Test)  |
| Chrome antimony titanium<br>buff rutile<br>68186-90-3  | EC10          | > 10.000 mg/l | Bacteria                   | 30 min           |   |  |
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5              | LC50          | 1,4 mg/l      | Fish                       | 96 h             | Salmo gairdneri (new name:<br>Oncorhynchus mykiss)                | OECD Guideline<br>203 (Fish, Acute<br>Toxicity Test)   |
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5              | NOEC          | 0,21 mg/l     | Fish                       | 30 d             | Oncorhynchus mykiss   | OECD Guideline<br>215 (Fish, Juvenile<br>Growth Test)  |
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5              | EC50          | 1,05 mg/l     | Daphnia                    | 48 h             | Daphnia magna   | OECD Guideline<br>202 (Daphnia sp.<br>Acute<br>Immobilisation<br>Test)                                   |
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5              | EC50          | 0,11 mg/l     | Algae                      | 72 h             | Pseudokirchnerella subcapitata                                    | OECD Guideline<br>201 (Alga, Growth<br>Inhibition Test)  |
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5              | EC10          | 0,04 mg/l     | Algae                      | 72 h             | Pseudokirchnerella subcapitata                                    | OECD Guideline<br>201 (Alga, Growth<br>Inhibition Test)  |
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5              | EC 50         | 23 mg/l       | Bacteria                   | 3 h              | activated sludge of a<br>predominantly domestic sewage            | OECD Guideline<br>209 (Activated<br>Sludge, Respiration<br>Inhibition Test)                              |
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5              | NOEC          | 1,2 mg/l      | chronic<br>Daphnia         | 21 d             | Daphnia magna   | OECD 211<br>(Daphnia magna,<br>Reproduction Test)  |
| Isothiazolinone mixture 3:1<br>(CIT/MIT)<br>55965-84-9 | LC50          | 0,22 mg/l     | Fish                       | 96 h             | Oncorhynchus mykiss   | OECD Guideline<br>203 (Fish, Acute<br>Toxicity Test)   |
| Isothiazolinone mixture 3:1<br>(CIT/MIT)<br>55965-84-9 | NOEC          | 0,098 mg/l    | Fish                       | 28 d             | Oncorhynchus mykiss   | OECD Guideline<br>210 (fish early lite<br>stage toxicity test)   |
| Isothiazolinone mixture 3:1<br>(CIT/MIT)<br>55965-84-9 | EC50          | 0,048 mg/l    | Algae                      | 72 h             | Pseudokirchnerella subcapitata                                    | OECD Guideline<br>201 (Alga, Growth<br>Inhibition Test)  |
| Isothiazolinone mixture 3:1<br>(CIT/MIT)<br>55965-84-9 | NOEC          | 0,0012 mg/l   | Algae                      | 72 h             | Pseudokirchnerella subcapitata                                    | OECD Guideline<br>201 (Alga, Growth<br>Inhibition Test)  |
| Isothiazolinone mixture 3:1<br>(CIT/MIT)<br>55965-84-9 | EC10          | 0,59 mg/l     | Bacteria                   | 16 h             |   |  |
| Isothiazolinone mixture 3:1<br>(CIT/MIT)<br>55965-84-9 | NOEC          | 0,0036 mg/l   | chronic<br>Daphnia         | 21 d             | Daphnia magna   | OECD 211<br>(Daphnia magna,<br>Reproduction Test)  |
| Chromium (III) oxide<br>1308-38-9                      | LC50          | > 10.000 mg/l | Fish                       | 96 h             | Brachydanio rerio (new name:<br>Danio rerio)                      | ISO 7346-1<br>(Determination of<br>the Acute Lethal<br>Toxicity of<br>Substances to a<br>Freshwater Fish |

|  |
|--|
| [Brachydanio rerio<br>Hamilton-<br>Buchanan<br>(Teleostei,<br>Cyprinidae)] |
|--|

**12.2. Persistence and degradability**

| Hazardous components<br>CAS-No.                        | Result                | Route of<br>application | Degradability | Method  |
|--|-----------------------|-------------------------|---------------|---|
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5              | Rapidly degradable    | Not specified           | > 70 %        | OECD Guideline 309 (Aerobic<br>Mineralisation in Surface<br>WaterSimulation Biodegradation<br>Test) |
| Isothiazolinone mixture 3:1<br>(CIT/MIT)<br>55965-84-9 |                       | aerobic                 | 97 %          | OECD Guideline 302 B (Inherent<br>biodegradability: Zahn-<br>Wellens/EMPA Test)                     |
|  | readily biodegradable |                         | > 60 %        | OECD Guideline 301 D (Ready<br>Biodegradability: Closed Bottle<br>Test)                             |

**12.3. Bioaccumulative potential / 12.4. Mobility in soil**

| Hazardous components<br>CAS-No.                        | LogKow          | Bioconcentration<br>factor (BCF) | Exposure<br>time | Species       | Temperature | Method  |
|--|-----------------|----------------------------------|------------------|---------------|-------------|---|
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5              |                 | 6,62                             |                  | Not specified |             | OECD Guideline 305<br>(Bioconcentration: Flow-<br>through Fish Test)                  |
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5              | < 3             |                                  |                  |               |             | EU Method A.8 (Partition<br>Coefficient)  |
| Isothiazolinone mixture 3:1<br>(CIT/MIT)<br>55965-84-9 |                 | 3,6                              |                  | calculation   |             |   |
| Isothiazolinone mixture 3:1<br>(CIT/MIT)<br>55965-84-9 | -0,71 -<br>0,75 |                                  |                  |               | 20 °C       | OECD Guideline 117<br>(Partition Coefficient (n-<br>octanol / water), HPLC<br>Method) |
| Chromium (III) oxide<br>1308-38-9                      | 2,97            |                                  |                  |               |             |   |

**12.5. Results of PBT and vPvB assessment**

| Hazardous components<br>CAS-No.                     | PBT/vPvB  |
|---|---|
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5           | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| Isothiazolinone mixture 3:1 (CIT/MIT)<br>55965-84-9 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| Chromium (III) oxide<br>1308-38-9                   | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |

**12.6. Other adverse effects**

No data available.

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| <b>SECTION 13: Disposal considerations</b> |
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**13.1. Waste treatment methods**

Product disposal:

Dispose of waste and residues in accordance with local authority requirements.

Disposal of uncleaned packages:

Use packages for recycling only when totally empty.

Waste code

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

## SECTION 14: Transport information

- 14.1. UN number**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.2. UN proper shipping name**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.3. Transport hazard class(es)**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.4. Packing group**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.5. Environmental hazards**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.6. Special precautions for user**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**  
not applicable

## SECTION 15: Regulatory information

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

VOC content 0 %  
(VOCV 814.018 VOC regulation  
CH)

### 15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

### National regulations/information (Germany):

WGK: 2, water-endangering product. (German VwVwS of May 17, 1999 )  
Classification in conformity with the calculation method

Storage class according to TRGS 510: 10

## SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- 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.
- H331 Toxic if inhaled.
- H373 May cause 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.

### **Further information:**

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

**Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.**