

(GB)

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 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 29.05.2024 / 0005  
 Replacing version dated / version: 01.11.2021 / 0004  
 Valid from: 29.05.2024  
 PDF print date: 29.05.2024  
 COSMO® SP-830.160

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

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

#### 1.1 Product identifier

**COSMO® SP-830.160**

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

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

Primer/adhesion promoter

**Uses advised against:**

No information available at present.

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

Weiss Chemie + Technik GmbH & Co. KG  
 Hansastrasse 2  
 35708 Haiger  
 Tel: +49 (0) 2773 / 815-0  
 msds@weiss-chemie.de  
 www.weiss-chemie.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 (WIC)  
 +1 872 5888271 (WIC)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

The mixture is not classified as dangerous in the terms of the Regulation (EC) 1272/2008 (CLP).

#### 2.2 Label elements

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

EUH208-Contains Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.  
 EUH210-Safety data sheet available on request.

#### 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

|   |  |
|---|--|
| <b>1,2-benzisothiazol-3(2H)-one</b>   |  |
| <b>Registration number (REACH)</b>  | ---  |
| <b>Index</b>  | 613-088-00-6   |
| <b>EINECS, ELINCS, NLP, REACH-IT List-No.</b>                                 | 220-120-9  |
| <b>CAS</b>  | 2634-33-5  |
| <b>content %</b>  | 0,0036-<0,036  |
| <b>Classification according to Regulation (EC) 1272/2008 (CLP), M-factors</b> | Acute Tox. 2, H330<br>Acute Tox. 4, H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1A, H317<br>Aquatic Acute 1, H400 (M=1)<br>Aquatic Chronic 1, H410 (M=1) |
| <b>Specific Concentration Limits and ATE</b>                                  | Skin Sens. 1A, H317: >=0,036 %<br>ATE (oral): 450 mg/kg<br>ATE (as inhalation, Dusts or mist): 0,21 mg/l/4h<br>ATE (as inhalation, Vapours): 0,5 mg/l/4h                   |

|  |                 |
|--|-----------------|
| <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>   | 0,00015-<0,0015 |

#### Classification according to Regulation (EC) 1272/2008 (CLP), M-factors

EUH071  
 Acute Tox. 2, H310  
 Acute Tox. 2, H330  
 Acute Tox. 3, H301  
 Skin Corr. 1C, H314  
 Eye Dam. 1, H318  
 Skin Sens. 1A, H317  
 Aquatic Acute 1, H400 (M=100)  
 Aquatic Chronic 1, H410 (M=100)

#### Specific Concentration Limits and ATE

Skin Corr. 1C, H314: >=0,6 %  
 Skin Irrit. 2, H315: >=0,06 %  
 Eye Dam. 1, H318: >=0,6 %  
 Eye Irrit. 2, H319: >=0,06 %  
 Skin Sens. 1A, H317: >=0,0015 %  
 ATE (oral): 53 mg/kg  
 ATE (dermal): 50 mg/kg  
 ATE (as inhalation, Aerosol): 0,17 mg/l/4h  
 ATE (as inhalation, Vapours): 0,5 mg/l/4h

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.  
 The addition of the highest concentrations listed here can result in a classification. Only when this classification is listed in Section 2 does it apply. In all other cases the total concentration is below the classification.

### 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. Seek medical help if necessary.

##### Ingestion

Rinse the mouth thoroughly with water.  
 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.

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

n.c.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing media**

Adapt to the nature and extent of fire.  
 Water jet spray/foam/CO2/dry extinguisher

**Unsuitable extinguishing media**

None known

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

In case of fire the following can develop:

Oxides of carbon  
 Toxic gases

#### 5.3 Advice for firefighters

For personal protective equipment see Section 8.  
 In case of fire and/or explosion do not breathe fumes.  
 Protective respirator with independent air supply.  
 According to size of fire  
 Full protection, if necessary.  
 Dispose of contaminated extinction water according to official regulations.

### SECTION 6: Accidental release measures

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

##### 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.  
 No special measures required.  
 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.  
 Prevent surface and ground-water infiltration, as well as ground penetration.  
 Prevent from entering drainage system.  
 If accidental entry into drainage system occurs, inform responsible authorities.

##### 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.

### SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

#### 7.1 Precautions for safe handling

##### 7.1.1 General recommendations

Avoid contact with eyes.  
 Avoid long lasting or intensive contact with skin.  
 Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.  
 Observe directions on label and instructions for use.

##### 7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.  
 Wash hands before breaks and at end of work.  
 Keep away from food, drink and animal feedingstuffs.

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Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

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

Store product closed and only in original packing.

Not to be stored in gangways or stair wells.

Store at room temperature.

Protect from frost.

**7.3 Specific end use(s)**

Primer/adhesion promoter

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****1,2-benzisothiazol-3(2H)-one**

| Area of application | Exposure route / Environmental compartment           | Effect on health            | Descriptor | Value            | Unit            | Note |
|---------------------|--|-----------------------------|------------|------------------|-----------------|------|
|                     | Environment - freshwater                             |                             | PNEC       | 0,00<br>403      | mg/l            |      |
|                     | Environment - marine                                 |                             | PNEC       | 0,00<br>040<br>3 | mg/l            |      |
|                     | Environment - sediment, freshwater                   |                             | PNEC       | 0,04<br>99       | mg/kg<br>dw     |      |
|                     | Environment - sediment, marine                       |                             | PNEC       | 0,00<br>499      | mg/kg<br>dw     |      |
|                     | Environment - soil                                   |                             | PNEC       | 3                | mg/kg<br>dw     |      |
|                     | Environment - sewage treatment plant                 |                             | PNEC       | 1,03             | mg/l            |      |
|                     | Environment - water, sporadic (intermittent) release |                             | PNEC       | 0,00<br>11       | mg/l            |      |
| Consumer            | Human - inhalation                                   | Long term, systemic effects | DNEL       | 1,2              | mg/m3           |      |
| Consumer            | Human - dermal                                       | Long term, systemic effects | DNEL       | 0,34<br>5        | mg/kg<br>bw/day |      |
| Workers / employees | Human - inhalation                                   | Long term, systemic effects | DNEL       | 6,81             | mg/m3           |      |
| Workers / employees | Human - dermal                                       | Long term, systemic effects | DNEL       | 0,96<br>6        | mg/kg<br>bw/day |      |

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

| Area of application | Exposure route / Environmental compartment           | Effect on health             | Descriptor | Value       | Unit          | Note |
|---------------------|--|------------------------------|------------|-------------|---------------|------|
|                     | Environment - freshwater                             |                              | PNEC       | 0,00<br>339 | mg/l          |      |
|                     | Environment - marine                                 |                              | PNEC       | 0,00<br>339 | mg/l          |      |
|                     | Environment - sediment, freshwater                   |                              | PNEC       | 0,02<br>7   | mg/kg<br>dw   |      |
|                     | Environment - sediment, marine                       |                              | PNEC       | 0,02<br>7   | mg/kg<br>dw   |      |
|                     | Environment - soil                                   |                              | PNEC       | 0,01        | mg/kg<br>dw   |      |
|                     | Environment - sewage treatment plant                 |                              | PNEC       | 0,23        | mg/l          |      |
|                     | Environment - water, sporadic (intermittent) release |                              | PNEC       | 0,00<br>339 | mg/l          |      |
| Consumer            | Human - oral   | Short term, systemic effects | DNEL       | 0,11        | mg/kg<br>bw/d |      |
| Consumer            | Human - inhalation                                   | Long term, local effects     | DNEL       | 0,02        | mg/m3         |      |
| Consumer            | Human - inhalation                                   | Short term, local effects    | DNEL       | 0,04        | mg/m3         |      |
| Consumer            | Human - oral   | Long term, systemic effects  | DNEL       | 0,09        | mg/kg<br>bw/d |      |
| Workers / employees | Human - inhalation                                   | Long term, local effects     | DNEL       | 0,02        | mg/m3         |      |
| Workers / employees | Human - inhalation                                   | Short term, local effects    | DNEL       | 0,04        | mg/m3         |      |

**8.2 Exposure controls****8.2.1 Appropriate engineering controls**

Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

**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 (EN 166) with side protection, with danger of splashes.

Skin protection - Hand protection:

Chemical resistant protective gloves (EN ISO 374).

Recommended

Rubber gloves (EN ISO 374).

Protective nitrile gloves (EN ISO 374).

Protective PVC gloves (EN ISO 374).

Minimum layer thickness in mm:

0,5

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.

Protective hand cream recommended.

Skin protection - Other:

Usual protective working garments

Respiratory protection:

Normally not necessary.

Thermal hazards:

Not applicable

Additional information on hand protection - No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.

Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

**8.2.3 Environmental exposure controls**

No information available at present.

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

Physical state:

Liquid

Colour:

According to specification

Odour:

Characteristic

Melting point/freezing point:

There is no information available on this parameter.

Boiling point or initial boiling point and boiling range:

There is no information available on this parameter.

Flammability:

There is no information available on this parameter.

Lower explosion limit:

There is no information available on this parameter.

Upper explosion limit:

There is no information available on this parameter.

Flash point:

There is no information available on this parameter.

Auto-ignition temperature:

There is no information available on this parameter.

Decomposition temperature:

There is no information available on this parameter.

pH:

There is no information available on this parameter.

Kinematic viscosity:

There is no information available on this parameter.

Solubility:

Soluble

Partition coefficient n-octanol/water (log value):

Does not apply to mixtures.

Vapour pressure:

There is no information available on this parameter.

Density and/or relative density:

1,02 g/cm3 (relative density)

Relative vapour density:

There is no information available on this parameter.

Particle characteristics:

Does not apply to liquids.

**9.2 Other information**

Explosives:

Product is not explosive.

Oxidising liquids:

No

**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**

None known

**10.6 Hazardous decomposition products**

No decomposition when used as directed.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

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

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| Toxicity / effect   | Endpoint | Value | Unit | Organism | Test method | Notes  |
|---|----------|-------|------|----------|-------------|--------|
| Acute toxicity, by oral route:                                |          |       |      |          |             | n.d.a. |
| Acute toxicity, by dermal route:                              |          |       |      |          |             | n.d.a. |
| Acute toxicity, by inhalation:                                |          |       |      |          |             | n.d.a. |
| Skin corrosion/irritation:                                    |          |       |      |          |             | n.d.a. |
| Serious eye damage/irritation:                                |          |       |      |          |             | n.d.a. |
| Respiratory or skin sensitisation:                            |          |       |      |          |             | n.d.a. |
| Germ cell mutagenicity:                                       |          |       |      |          |             | n.d.a. |
| Carcinogenicity:  |          |       |      |          |             | n.d.a. |
| Reproductive toxicity:  |          |       |      |          |             | n.d.a. |
| Specific target organ toxicity - single exposure (STOT-SE):   |          |       |      |          |             | n.d.a. |
| Specific target organ toxicity - repeated exposure (STOT-RE): |          |       |      |          |             | n.d.a. |
| Aspiration hazard:  |          |       |      |          |             | n.d.a. |
| Symptoms:   |          |       |      |          |             | n.d.a. |

**1,2-benzisothiazol-3(2H)-one**

| Toxicity / effect                | Endpoint | Value | Unit  | Organism | Test method | Notes |
|----------------------------------|----------|-------|-------|----------|-------------|-------|
| Acute toxicity, by oral route:   | LD50     | 1193  | mg/kg | Rat      |             |       |
| Acute toxicity, by oral route:   | LD50     | 490   | mg/kg | Rat      |             |       |
| Acute toxicity, by oral route:   | ATE      | 450   | mg/kg |          |             |       |
| Acute toxicity, by dermal route: | LD50     | 4115  | mg/kg | Rat      |             |       |

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|   |       |      |            |            |  |   |
|---|-------|------|------------|------------|--|---|
| Acute toxicity, by inhalation:                                      | ATE   | 0,5  | mg/l/4h    |            |  | Vapours   |
| Acute toxicity, by inhalation:                                      | ATE   | 0,21 | mg/l/4h    |            | OECD 403 (Acute Inhalation Toxicity)                           | Dusts or mist   |
| Skin corrosion/irritation:  |       |      |            |            |  | Skin Irrit. 2   |
| Serious eye damage/irritation:                                      |       |      |            |            |  | Eye Dam. 1  |
| Respiratory or skin sensitisation:                                  |       |      |            | Guinea pig | OECD 406 (Skin Sensitisation)                                  | Skin Sens. 1  |
| Germ cell mutagenicity:   |       |      |            |            |  | Negative  |
| Reproductive toxicity (Developmental toxicity):                     | NOAEL | 112  | mg/kg      | Rat        |  | Negative, FemaleOP PTS 870.3800                           |
| Reproductive toxicity (Effects on fertility):                       | NOAEL | 56,6 | mg/kg bw/d | Rat        |  | Negative, FemaleOP PTS 870.3800                           |
| Specific target organ toxicity - repeated exposure (STOT-RE), oral: | NOAEL | 150  | mg/kg bw/d | Rat        | OECD 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents) | Negative  |
| Symptoms:   |       |      |            |            |  | vomiting, headaches, gastrointestinal disturbance, nausea |

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

| Toxicity / effect                  | Endpoint | Value     | Unit    | Organism   | Test method  | Notes   |
|------------------------------------|----------|-----------|---------|------------|--|---|
| Acute toxicity, by oral route:     | LD50     | 53-64     | mg/kg   | Rat        |  |   |
| Acute toxicity, by oral route:     | ATE      | 53        | mg/kg   |            |  |   |
| Acute toxicity, by dermal route:   | ATE      | 50        | mg/kg   |            |  |   |
| Acute toxicity, by dermal route:   | LD50     | 87        | mg/kg   | Rat        | OECD 402 (Acute Dermal Toxicity)   |   |
| Acute toxicity, by inhalation:     | LC50     | 0,17-0,33 | mg/l/4h | Rat        | OECD 403 (Acute Inhalation Toxicity)   | Aerosol   |
| Acute toxicity, by inhalation:     | ATE      | 0,17      | mg/l/4h |            |  | Aerosol   |
| Acute toxicity, by inhalation:     | ATE      | 0,5       | mg/l/4h |            |  | Vapours   |
| Skin corrosion/irritation:         |          |           |         | Rabbit     | OECD 404 (Acute Dermal Irritation/Corrosion)                                       | Skin Corr. 1C   |
| Serious eye damage/irritation:     |          |           |         | Rabbit     |  | Eye Dam. 1  |
| Respiratory or skin sensitisation: |          |           |         | Guinea pig | OECD 406 (Skin Sensitisation)  | Skin Sens. 1A   |
| Germ cell mutagenicity:            |          |           |         | Mouse      | OECD 475 (Mammalian Bone Marrow Chromosome Aberration Test)                        | Negative  |
| Germ cell mutagenicity:            |          |           |         | Rat        | OECD 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian Liver Cells In Vivo) | Negative  |
| Aspiration hazard:                 |          |           |         |            |  | No  |
| Symptoms:                          |          |           |         |            |  | No diarrhoea, mucous membrane irritation, watering eyes, eyes, reddened |

**11.2. Information on other hazards**

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| Toxicity / effect                | Endpoint | Value | Unit | Organism | Test method | Notes   |
|----------------------------------|----------|-------|------|----------|-------------|---|
| Endocrine disrupting properties: |          |       |      |          |             | Does not apply to mixtures.   |
| Other information:               |          |       |      |          |             | No other relevant information available on adverse effects on health. |

**SECTION 12: Ecological information**

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

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| Toxicity / effect          | Endpoint | Time | Value | Unit | Organism | Test method | Notes  |
|----------------------------|----------|------|-------|------|----------|-------------|--------|
| 12.1. Toxicity to fish:    |          |      |       |      |          |             | n.d.a. |
| 12.1. Toxicity to daphnia: |          |      |       |      |          |             | n.d.a. |

|   |  |  |  |  |  |  |   |
|---|--|--|--|--|--|--|---|
| 12.1. Toxicity to algae:                  |  |  |  |  |  |  | n.d.a.  |
| 12.2. Persistence and degradability:      |  |  |  |  |  |  | n.d.a.  |
| 12.3. Bioaccumulative potential:          |  |  |  |  |  |  | n.d.a.  |
| 12.4. Mobility in soil:                   |  |  |  |  |  |  | n.d.a.  |
| 12.5. Results of PBT and vPvB assessment: |  |  |  |  |  |  | n.d.a.  |
| 12.6. Endocrine disrupting properties:    |  |  |  |  |  |  | Does not apply to mixtures.   |
| 12.7. Other adverse effects:              |  |  |  |  |  |  | No information available on other adverse effects on the environment. |
| Other information:                        |  |  |  |  |  |  | DOC-elimination degree (complexing organic substance) >= 80%/28d: No  |

**1,2-benzisothiazol-3(2H)-one**

| Toxicity / effect                         | Endpoint | Time | Value  | Unit | Organism                        | Test method  | Notes                               |
|---|----------|------|--------|------|---------------------------------|--|-------------------------------------|
| 12.1. Toxicity to fish:                   | LC50     | 96h  | 2,18   | mg/l | Oncorhynchus mykiss             | OECD 203 (Fish, Acute Toxicity Test)   |                                     |
| 12.1. Toxicity to daphnia:                | EC50     | 48h  | 2,94   | mg/l | Daphnia magna                   | OECD 202 (Daphnia sp. Acute Immobilisation Test)   |                                     |
| 12.1. Toxicity to algae:                  | ErC50    | 24h  | 0,1087 | mg/l | Pseudokirchneriella subcapitata |  |                                     |
| 12.1. Toxicity to algae:                  | ErC10    | 24h  | 0,0268 | mg/l | Pseudokirchneriella subcapitata |  |                                     |
| 12.2. Persistence and degradability:      |          |      |        |      |                                 |  | Not readily biodegradable           |
| 12.3. Bioaccumulative potential:          | BCF      |      | 6,95   |      |                                 | OECD 305 (Bioconcentration - Flow-Through Fish Test)                                     |                                     |
| 12.3. Bioaccumulative potential:          | Log Pow  |      | 0,7    |      |                                 | Regulation (EC) 440/2008 A.8 (PARTITION COEFFICIENT)                                     |                                     |
| 12.5. Results of PBT and vPvB assessment: |          |      |        |      |                                 |  | No PBT substance, No vPvB substance |
| Toxicity to bacteria:                     | EC50     | 3h   | 12,8   | mg/l | activated sludge                | OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) |                                     |
| Toxicity to bacteria:                     | EC20     | 3h   | 3,3    | mg/l | activated sludge                | OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) |                                     |

**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 |
|----------------------------|-----------|------|-----------|------|---------------------------------|---|-------|
| 12.1. Toxicity to fish:    | LC50      | 96h  | 0,19-0,22 | mg/l | Oncorhynchus mykiss             | OECD 203 (Fish, Acute Toxicity Test)            |       |
| 12.1. Toxicity to fish:    | NOEC/NOEL | 28d  | 0,098     | mg/l | Oncorhynchus mykiss             | OECD 210 (Fish, Early-Life Stage Toxicity Test) |       |
| 12.1. Toxicity to daphnia: | NOEC/NOEL | 21d  | 0,004     | mg/l | Daphnia magna                   | OECD 211 (Daphnia magna Reproduction Test)      |       |
| 12.1. Toxicity to daphnia: | EC50      | 48h  | 0,1-0,16  | mg/l | Daphnia magna                   |   |       |
| 12.1. Toxicity to algae:   | EC50      | 72h  | 0,048     | mg/l | Pseudokirchneriella subcapitata | OECD 201 (Alga, Growth Inhibition Test)         |       |

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|  |            |     |                              |      |  |   |  |
|--|------------|-----|------------------------------|------|--|---|--|
| 12.1. Toxicity to algae:                 | NOEC/N OEL | 72h | 0,00<br>12                   | mg/l | Pseudokirch<br>neriella<br>subcapitata | OECD 201<br>(Alga,<br>Growth<br>Inhibition<br>Test)   |  |
| 12.1. Toxicity to algae:                 | NOEC/N OEL | 48h | 0,49                         | µg/l | Skeletonem<br>a costatum               | OECD 201<br>(Alga,<br>Growth<br>Inhibition<br>Test)   |  |
| 12.2. Persistence and degradability:     |            |     | >60                          | %    | activated<br>sludge                    | OECD 301<br>D (Ready<br>Biodegradab<br>ility - Closed<br>Bottle Test)   | Biodegrada<br>ble                            |
| 12.3. Bioaccumulative potential:         | BCF        |     | 3,6                          |      |  |   | calculated<br>value                          |
| 12.3. Bioaccumulative potential:         | Log Pow    |     | -<br>0,48<br>6-<br>0,40<br>1 |      |  | OECD 107<br>(Partition<br>Coefficient<br>(n-<br>octanol/wate<br>r) - Shake<br>Flask<br>Method)                      | Not to be<br>expected                        |
| 12.5. Results of PBT and vPvB assessment |            |     |                              |      |  |   | No PBT<br>substance,<br>No vPvB<br>substance |
| Toxicity to bacteria:                    | EC50       | 3h  | 7,92                         | mg/l | activated<br>sludge                    | OECD 209<br>(Activated<br>Sludge,<br>Respiration<br>Inhibition<br>Test<br>(Carbon<br>and<br>Ammonium<br>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)

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

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

E.g. suitable incineration plant.

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.

## SECTION 14: Transport information

### General statements

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

14.1. UN number or ID number: Not applicable

14.2. UN proper shipping name: Not applicable

14.3. Transport hazard class(es): Not applicable

14.4. Packing group: Not applicable

14.5. Environmental hazards: Not applicable

Tunnel restriction code: Not applicable

Classification code: Not applicable

LQ: Not applicable

Transport category: Not applicable

#### Transport by sea (IMDG-code)

14.1. UN number or ID number: Not applicable

14.2. UN proper shipping name: Not applicable

14.3. Transport hazard class(es): Not applicable

14.4. Packing group: Not applicable

14.5. Environmental hazards: Not applicable

Marine Pollutant: Not applicable

EmS: Not applicable

#### Transport by air (IATA)

14.1. UN number or ID number: Not applicable

14.2. UN proper shipping name: Not applicable

14.3. Transport hazard class(es): Not applicable

14.4. Packing group: Not applicable

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. Maritime transport in bulk according to IMO instruments

Non-dangerous material according to Transport Regulations.

## SECTION 15: Regulatory information

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

Observe restrictions:

General hygiene measures for the handling of chemicals are applicable.

Directive 2010/75/EU (VOC):

0 %

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.

National requirements/regulations on safety and health protection must be applied when using work equipment.

### 15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

## SECTION 16: Other information

Revised sections:

3, 7, 8, 11, 12, 15

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

Not applicable

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents.

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.

H302 Harmful 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.

EUH071 Corrosive to the respiratory tract.

Acute Tox. — Acute toxicity - inhalation

Acute Tox. — Acute toxicity - oral

Skin Irrit. — Skin irritation

Eye Dam. — Serious eye damage

Skin Sens. — Skin sensitization

Aquatic Acute — Hazardous to the aquatic environment - acute

Aquatic Chronic — Hazardous to the aquatic environment - chronic

Acute Tox. — Acute toxicity - dermal

Skin Corr. — Skin corrosion

### Key literature references and sources

#### for data:

Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP) as amended.

Guidelines for the preparation of safety data sheets as amended (ECHA).

Guidelines on labelling and packaging according to the Regulation (EG) Nr. 1272/2008 (CLP) as amended (ECHA).

Safety data sheets for the constituent substances.

ECHA Homepage - Information about chemicals.

GESTIS Substance Database (Germany).

German Environment Agency "Rigoletto" information site on substances that are hazardous to water (Germany).

EU Occupation Exposure Limits Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU)

2017/164, (EU) 2019/1831, each as amended.

National Lists of Occupational Exposure Limits for each country as amended.

Regulations on the transport of hazardous goods by road, rail, sea and air (ADR, RID, IMDG, IATA) as amended.

## 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)

BCF Bioconcentration factor

BSEF The International Bromine Council

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

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, EpCx, 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

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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  
 mg/kg bw mg/kg body weight  
 mg/kg bw/d, mg/kg bw/day mg/kg body weight/day  
 mg/kg dw mg/kg dry weight  
 mg/kg wwt mg/kg wet weight  
 n.a. not applicable  
 n.av. not available  
 n.c. not checked  
 n.d.a. no data available  
 NIOSH National Institute for Occupational Safety and Health (USA)  
 NLP No-longer-Polymer  
 NOEC, NOEL No Observed Effect Concentration/Level  
 OECD Organisation for Economic Co-operation and Development  
 org. organic  
 OSHA Occupational Safety and Health Administration (USA)  
 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. 6/7/8/9xx-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

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.

These statements were made by:

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