

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**düfa megafresh; düfa megafresh**

Revision: 22.01.2026

Product code: 10071015000000

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

düfa megafresh; düfa megafresh

UFI: NJUC-VW85-Y7GX-WKV0

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

dispersion paint

Relevant identified uses see section 16.

**Uses advised against**

None, use in accordance with instructions.

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

|                 |                               |                            |
|-----------------|-------------------------------|----------------------------|
| Company name:   | Meffert AG Farbwerke          |                            |
| Street:         | Sandweg 15                    |                            |
| Place:          | D-55543 Bad Kreuznach         |                            |
| Telephone:      | +49 671 870-0                 | Telefax: +49 671 870-397   |
| E-mail:         | info@meffert.com              |                            |
| Contact person: | Regulatory Affairs Department | Telephone: +49 671 870-303 |
| E-mail:         | SDB@meffert.com               |                            |
| Internet:       | www.meffert.com               |                            |

**1.4. Emergency telephone number:** 00 800 63333782 Mon.–Fri. 7.30 a.m. – 8.00 p.m., Sat. 9.00 a.m. – 8.00 p.m.**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**

Skin Sens. 1; H317

Full text of hazard statements: see SECTION 16.

**2.2. Label elements****Regulation (EC) No 1272/2008****Hazard components for labelling**

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

2-methyl-2H-isothiazol-3-one

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

**Signal word:** Warning**Pictograms:****Hazard statements**

H317 May cause an allergic skin reaction.

**Precautionary statements**

|           |  |
|-----------|--|
| P102      | Keep out of reach of children.                           |
| P280      | Wear protective gloves.                                  |
| P302+P352 | IF ON SKIN: Wash with plenty of water.                   |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |

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**2.3. Other hazards**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

Toxicological information: The substance/mixture does not contain any components that are classified as hazardous according to

REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605.

Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more have endocrine disrupting properties.

Environmental information: The substance/mixture does not contain any components that are classified as hazardous according to

REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605.

Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more have endocrine disrupting properties.

**SECTION 3: Composition/information on ingredients**
**3.2. Mixtures**
**Relevant ingredients**

| CAS No     | Chemical name  |              |                  | Quantity   |
|------------|--|--------------|------------------|------------|
|            | EC No  | Index No     | REACH No         |            |
|            | Classification (Regulation (EC) No 1272/2008)  |              |                  |            |
| 14807-96-6 | talc, hydrated magnesium silicate (MG3H2(SIO3)4)   |              |                  | 5 - < 10 % |
|            | 238-877-9  |              | 01-2120140278-58 |            |
| 2634-33-5  | 1,2-benzisothiazol-3(2H)-one   |              |                  | < 0.036 %  |
|            | 220-120-9  | 613-088-00-6 | 01-2120761540-60 |            |
|            | Acute Tox. 2, Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H302 H315 H318 H317 H400 H410                           |              |                  |            |
| 2682-20-4  | 2-methyl-2H-isothiazol-3-one   |              |                  | < 0.1 %    |
|            | 220-239-6  |              | 01-2120764690-50 |            |
|            | Acute Tox. 2, Acute Tox. 3, Acute Tox. 3, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H311 H301 H314 H318 H317 H400 H410        |              |                  |            |
| 55965-84-9 | reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)  |              |                  | < 0.0015 % |
|            |  | 613-167-00-5 | 01-2120764691-48 |            |
|            | Acute Tox. 2, Acute Tox. 2, Acute Tox. 3, Skin Corr. 1C, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H310 H301 H314 H318 H317 H400 H410 EUH071 |              |                  |            |

Full text of H and EUH statements: see section 16.

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**Specific Conc. Limits, M-factors and ATE**

| CAS No     | EC No     | Chemical name   | Quantity   |
|------------|-----------|---|------------|
|            |           | Specific Conc. Limits, M-factors and ATE  |            |
| 14807-96-6 | 238-877-9 | talc, hydrated magnesium silicate (MG3H2(SiO3)4)  | 5 - < 10 % |
|            |           | dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg  |            |
| 2634-33-5  | 220-120-9 | 1,2-benzisothiazol-3(2H)-one  | < 0.036 %  |
|            |           | inhalation: ATE 0,21 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: ATE 450 mg/kg<br>Skin Sens. 1A; H317: >= 0,036 - 100<br>Aquatic Acute 1; H400: M=1<br>Aquatic Chronic 1; H410: M=1  |            |
| 2682-20-4  | 220-239-6 | 2-methyl-2H-isothiazol-3-one  | < 0.1 %    |
|            |           | inhalation: ATE = 0,5 mg/l (vapours); inhalation: ATE = 0,05 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = 285 mg/kg<br>Skin Sens. 1A; H317: >= 0,0015 - 100<br>Aquatic Acute 1; H400: M=10<br>Aquatic Chronic 1; H410: M=1   |            |
| 55965-84-9 |           | reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)   | < 0.0015 % |
|            |           | inhalation: ATE = 0,5 mg/l (vapours); inhalation: LC50 = 0,33 mg/l (dusts or mists); dermal: LD50 = >75 mg/kg; oral: LD50 = 49,6-75 mg/kg<br>Skin Corr. 1C; H314: >= 0,6 - 100<br>Skin Irrit. 2; H315: >= 0,06 - < 0,6<br>Eye Dam. 1; H318: >= 0,6 - 100<br>Eye Irrit. 2; H319: >= 0,06 - < 0,6<br>Skin Sens. 1A; H317: >= 0,0015 - 100<br>Aquatic Acute 1; H400: M=100<br>Aquatic Chronic 1; H410: M=100 |            |

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

Take off immediately all contaminated clothing and wash it before reuse. If unconscious but breathing normally, place in recovery position and seek medical advice. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately. When in doubt or if symptoms are observed, get medical advice.

**After inhalation**

Remove casualty to fresh air and keep warm and at rest. In case of respiratory tract irritation, consult a physician.

**After contact with skin**

Wash immediately with: Water and soap Do not wash with: Solvents/Thinner In case of skin irritation, consult a physician.

**After contact with eyes**

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

**After ingestion**

Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Call a physician immediately.

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

Allergic reactions

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

Treat symptomatically.

**SECTION 5: Firefighting measures**
**5.1. Extinguishing media**
**Suitable extinguishing media**

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

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**Unsuitable extinguishing media**

Full water jet

**5.2. Special hazards arising from the substance or mixture**In case of fire may be liberated: Carbon monoxide, Carbon dioxide (CO<sub>2</sub>).**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus. Use water spray jet to protect personnel and to cool endangered containers.

**Additional information**

Do not allow run-off from fire-fighting to enter drains or water courses.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

With water, a slippery film is created. Provide adequate ventilation.

**For non-emergency personnel**

Use personal protection equipment. Personal protection equipment: see section 8

First aider: Pay attention to self-protection!

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

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

Take up mechanically, placing in appropriate containers for disposal.

Methods and material for containment and cleaning up: Sand Sawdust Universal binder

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

Treat the recovered material as prescribed in the section on waste disposal.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Provide adequate ventilation as well as local exhaust at critical locations. Avoid contact with skin, eyes and clothes. Avoid breathing dust/fume/gas/mist/vapours/spray. Personal protection equipment: see section 8

**Advice on protection against fire and explosion**

No special fire protection measures are necessary.

**Advice on general occupational hygiene**

Provide fresh air. When using do not eat, drink or smoke. Wash hands before breaks and after work. Make available sufficient washing facilities

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Always close containers tightly after the removal of product. Ensure adequate ventilation of the storage area.

**Hints on joint storage**

Do not store together with: Acid alkali

**Further information on storage conditions**

Keep/Store only in original container. Protect from direct sunlight. Avoid cooling down below 10°C.

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

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Water-based paints, solvent-free

**SECTION 8: Exposure controls/personal protection**
**8.1. Control parameters**
**DNEL/DMEL values**

| CAS No                   | Name of agent   |                |          |                         |
|--------------------------|---|----------------|----------|-------------------------|
| DNEL type                |   | Exposure route | Effect   | Value                   |
| 14807-96-6               | talc, hydrated magnesium silicate (MG3H2(SiO3)4)  |                |          |                         |
| Worker DNEL, long-term   |   | inhalation     | systemic | 2,16 mg/m <sup>3</sup>  |
| Worker DNEL, acute       |   | inhalation     | systemic | 2,16 mg/m <sup>3</sup>  |
| Worker DNEL, long-term   |   | inhalation     | local    | 3,6 mg/m <sup>3</sup>   |
| Worker DNEL, acute       |   | inhalation     | local    | 3,6 mg/m <sup>3</sup>   |
| Worker DNEL, long-term   |   | dermal         | systemic | 43,2 mg/kg bw/day       |
| Worker DNEL, long-term   |   | dermal         | local    | 4,54 mg/cm <sup>2</sup> |
| Consumer DNEL, long-term |   | inhalation     | systemic | 1,08 mg/m <sup>3</sup>  |
| Consumer DNEL, acute     |   | inhalation     | systemic | 1,08 mg/m <sup>3</sup>  |
| Consumer DNEL, long-term |   | inhalation     | local    | 1,18 mg/m <sup>3</sup>  |
| Consumer DNEL, acute     |   | inhalation     | local    | 1,18 mg/m <sup>3</sup>  |
| Consumer DNEL, long-term |   | dermal         | systemic | 21,6 mg/kg bw/day       |
| Consumer DNEL, long-term |   | dermal         | local    | 2,27 mg/cm <sup>2</sup> |
| Consumer DNEL, long-term |   | oral           | systemic | 160 mg/kg bw/day        |
| Consumer DNEL, acute     |   | oral           | systemic | 160 mg/kg bw/day        |
| 2634-33-5                | 1,2-benzisothiazol-3(2H)-one  |                |          |                         |
| Worker DNEL, long-term   |   | inhalation     | systemic | 6,8 mg/m <sup>3</sup>   |
| Worker DNEL, long-term   |   | dermal         | systemic | 0,966 mg/kg bw/day      |
| Consumer DNEL, long-term |   | inhalation     | systemic | 1,2 mg/m <sup>3</sup>   |
| Consumer DNEL, long-term |   | dermal         | systemic | 0,345 mg/kg bw/day      |
| 55965-84-9               | reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) |                |          |                         |
| Worker DNEL, long-term   |   | inhalation     | local    | 0,02 mg/m <sup>3</sup>  |
| Worker DNEL, acute       |   | inhalation     | local    | 0,04 mg/m <sup>3</sup>  |
| Consumer DNEL, long-term |   | inhalation     | local    | 0,02 mg/m <sup>3</sup>  |
| Consumer DNEL, acute     |   | inhalation     | local    | 0,04 mg/m <sup>3</sup>  |
| Consumer DNEL, long-term |   | oral           | systemic | 0,11 mg/kg bw/day       |
| Consumer DNEL, acute     |   | oral           | systemic | 0,09 mg/kg bw/day       |

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**PNEC values**

| CAS No   | Name of agent   |  | Value         |
|--|---|--|---------------|
| Environmental compartment                        |   |  |               |
| 14807-96-6                                       | talca, hydrated magnesium silicate (MG3H2(SIO3)4)   |  |               |
| Freshwater                                       |   |  | 597,97 mg/l   |
| Freshwater (intermittent releases)               |   |  | 597,97 mg/l   |
| Marine water                                     |   |  | 141,26 mg/l   |
| Marine water (intermittent releases)             |   |  | 141,26 mg/l   |
| Freshwater sediment                              |   |  | 31,33 mg/kg   |
| Marine sediment                                  |   |  | 3,13 mg/kg    |
| 2634-33-5  | 1,2-benzisothiazol-3(2H)-one  |  |               |
| Freshwater                                       |   |  | 0,00403 mg/l  |
| Freshwater (intermittent releases)               |   |  | 0,0011 mg/l   |
| Marine water                                     |   |  | 0,000403 mg/l |
| Marine water (intermittent releases)             |   |  | 0,0011 mg/l   |
| Freshwater sediment                              |   |  | 0,049 mg/l    |
| Marine sediment                                  |   |  | 0,00499 mg/kg |
| Micro-organisms in sewage treatment plants (STP) |   |  | 1,03 mg/l     |
| Soil   |   |  | 3 mg/kg       |
| 55965-84-9                                       | reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) |  |               |
| Freshwater                                       |   |  | 0,0039 mg/l   |
| Freshwater (intermittent releases)               |   |  | 0,0039 mg/l   |
| Marine water                                     |   |  | 0,0039 mg/l   |
| Marine water (intermittent releases)             |   |  | 0,0039 mg/l   |
| Freshwater sediment                              |   |  | 0,027 mg/kg   |
| Marine sediment                                  |   |  | 0,027 mg/kg   |
| Micro-organisms in sewage treatment plants (STP) |   |  | 0,23 mg/l     |
| Soil   |   |  | 0,01 mg/kg    |

**8.2. Exposure controls**
**Appropriate engineering controls**

Provide adequate ventilation.

**Individual protection measures, such as personal protective equipment**
**Eye/face protection**

Wear eye/face protection.

Wear protective glasses during application with a spray gun.- EN ISO 16321

**Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Replace when worn. See information supplied by the manufacturer. . Comply with ruling 195 of Professional Association on "Usage of Protective Gloves"

Suitable material: NBR (Nitrile rubber), CR (polychloroprene, chloroprene rubber), Butyl caoutchouc (butyl rubber), FKM (fluoro rubber) neoprene. Wear cotton underneath if possible.

Breakthrough time: &gt;480 min. Thickness of the glove material: &gt;0,5 mm

Unsuitable material: leather, fabric.

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For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

**Skin protection**

Light protective clothing. Chemical resistant safety shoes- EN ISO 20345

**Respiratory protection**

In case of spray processing: Filtering device (full mask or mouthpiece) with filter: A2/P2

For grinding work: Filtering device (full mask or mouthpiece) with filter: P2

The type of personal protection equipment has to be chosen based on the concentration and amount of the dangerous substance at the workplace. EN 137

**Environmental exposure controls**

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

**SECTION 9: Physical and chemical properties**

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

|   |                                  |
|---|----------------------------------|
| Physical state:   | Liquid                           |
| Colour:   | see color on the packaging label |
| Odour:  | sweetish                         |
| Odour threshold:  | not determined                   |
| Melting point/freezing point:                             | ca. 0°C °C                       |
| Boiling point or initial boiling point and boiling range: | ca. 100 °C                       |
| Lower explosion limits:                                   | not applicable                   |
| Upper explosion limits:                                   | not applicable                   |
| Flash point:  | na                               |
| Auto-ignition temperature:                                | not applicable                   |
| Decomposition temperature:                                | not applicable                   |
| pH-Value (at 20 °C):                                      | 8,0 - 8,5                        |
| Viscosity / kinematic:                                    | na                               |
| Water solubility:   | completely miscible              |
| Dissolution rate:   | not applicable                   |
| Partition coefficient n-octanol/water:                    | Not applicable for mixtures      |
| Vapour pressure:  | not determined                   |
| Density (at 20 °C):                                       | 1,42 g/cm³                       |
| Particle characteristics:                                 | Liquid, not applicable           |

**9.2. Other information**

**Information with regard to physical hazard classes**

|                           |                             |
|---------------------------|-----------------------------|
| Sustained combustibility: | No sustained combustibility |
| Self-ignition temperature |                             |
| Solid:                    | not applicable              |
| Gas:                      | not applicable              |

**Other safety characteristics**

|                          |                |
|--------------------------|----------------|
| Solvent separation test: | not applicable |
| Sublimation point:       | not applicable |
| Softening point:         | not applicable |
| Pour point:              | not applicable |
| Flow time:               | na             |

**Further Information**

none

**SECTION 10: Stability and reactivity**

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**10.1. Reactivity**

This material is considered to be non-reactive under normal use conditions.

**10.2. Chemical stability**

The mixture is chemically stable under recommended conditions of storage, use and temperature.

**10.3. Possibility of hazardous reactions**

Exothermic reaction with: Oxidising agent, Strong acid, Strong alkali

**10.4. Conditions to avoid**

Avoid heat and frost.

**10.5. Incompatible materials**

Materials that react with water. Alkali (lye) Acid, Oxidising agent..

**10.6. Hazardous decomposition products**

In case of fire may be liberated: Carbon monoxide, Nitrogen oxides (NOx), Carbon dioxide (CO2). Under certain fire conditions, traces of other toxic products can not be excluded.

**SECTION 11: Toxicological information**

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute toxicity**

Based on available data, the classification criteria are not met.

**ATEmix calculated**

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg

| CAS No     | Chemical name   |                    |         |        |          |
|------------|---|--------------------|---------|--------|----------|
|            | Exposure route  | Dose               | Species | Source | Method   |
| 14807-96-6 | talc, hydrated magnesium silicate (MG3H2(SiO3)4)  |                    |         |        |          |
|            | oral  | LD50 >5000 mg/kg   | Rat     |        |          |
|            | dermal  | LD50 >2000 mg/kg   | Rat     |        |          |
| 2634-33-5  | 1,2-benzisothiazol-3(2H)-one  |                    |         |        |          |
|            | oral  | ATE 450 mg/kg      |         |        |          |
|            | dermal  | LD50 >2000 mg/kg   | Rat     |        | OECD 402 |
|            | inhalation dust/mist  | ATE 0,21 mg/l      |         |        |          |
| 2682-20-4  | 2-methyl-2H-isothiazol-3-one  |                    |         |        |          |
|            | oral  | LD50 285 mg/kg     | Rat     |        |          |
|            | dermal  | LD50 >2000 mg/kg   | Rat     |        |          |
|            | inhalation vapour   | ATE 0,5 mg/l       |         |        |          |
|            | inhalation dust/mist  | ATE 0,05 mg/l      |         |        |          |
| 55965-84-9 | reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) |                    |         |        |          |
|            | oral  | LD50 49,6-75 mg/kg | Rat     |        |          |
|            | dermal  | LD50 >75 mg/kg     | Rabbit  |        |          |
|            | inhalation vapour   | ATE 0,5 mg/l       |         |        |          |
|            | inhalation (4 h) dust/mist  | LC50 0,33 mg/l     | Rat     |        |          |

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**Irritation and corrosivity**

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

**Sensitising effects**

May cause an allergic skin reaction. (1,2-benzisothiazol-3(2H)-one; 2-methyl-2H-isothiazol-3-one; reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1))

**Carcinogenic/mutagenic/toxic effects for reproduction**

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**11.2. Information on other hazards****Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**SECTION 12: Ecological information****12.1. Toxicity**

Based on available data, the classification criteria are not met.

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| CAS No     | Chemical name   |                  |           |         |  |          |
|------------|---|------------------|-----------|---------|--|----------|
|            | Aquatic toxicity  | Dose             | [h]   [d] | Species | Source                                 | Method   |
| 2634-33-5  | 1,2-benzisothiazol-3(2H)-one  |                  |           |         |  |          |
|            | Acute fish toxicity   | LC50<br>mg/l     | 2,15      | 96 h    | Oncorhynchus mykiss<br>(Rainbow trout) | OECD 203 |
|            | Acute algae toxicity  | ErC50            | 0,11 mg/l | 72 h    | Pseudokirchneriella<br>subcapitata     | OECD 201 |
|            | Acute crustacea toxicity  | EC50<br>mg/l     | 3,27      | 48 h    | Daphnia magna (Big<br>water flea)      | OECD 202 |
|            | Fish toxicity   | NOEC<br>mg/l     | 0,21      | 28 d    | Oncorhynchus mykiss<br>(Rainbow trout) | OECD 215 |
|            | Algae toxicity  | NOEC<br>mg/l     | 0,0403    | 3 d     | Pseudokirchneriella<br>subcapitata     | OECD 201 |
|            | Acute bacteria toxicity   | EC50<br>mg/l ( ) | 12,8      | 3 h     | Activated sludge                       | OECD 209 |
| 2682-20-4  | 2-methyl-2H-isothiazol-3-one  |                  |           |         |  |          |
|            | Acute fish toxicity   | LC50<br>mg/l     | >0,15     | 96 h    | Danio rerio (zebrafish)                |          |
|            | Acute algae toxicity  | ErC50<br>mg/l    | 0,157     | 72 h    | Pseudokirchneriella<br>subcapitata     |          |
|            | Acute crustacea toxicity  | EC50<br>mg/l     | 0,87      | 48 h    | Daphnia magna (Big<br>water flea)      |          |
|            | Acute bacteria toxicity   | EC50<br>mg/l ( ) | 34,6      | 3 h     | Activated sludge                       |          |
| 55965-84-9 | reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) |                  |           |         |  |          |
|            | Acute fish toxicity   | LC50<br>mg/l     | 0,19      | 96 h    | Oncorhynchus mykiss<br>(Rainbow trout) | OECD 202 |
|            | Acute algae toxicity  | ErC50<br>mg/l    | 0,027     | 72 h    | Pseudokirchneriella<br>subcapitata     | OECD 201 |
|            | Acute crustacea toxicity  | EC50<br>mg/l     | 0,16      | 48 h    | Daphnia magna (Big<br>water flea)      | OECD 203 |
|            | Fish toxicity   | NOEC<br>mg/l     | 0,05      | 14 d    | Oncorhynchus mykiss<br>(Rainbow trout) |          |
|            | Algae toxicity  | NOEC<br>mg/l     | 0,0012    | 3 d     | Pseudokirchneriella<br>subcapitata     | OECD 201 |
|            | Crustacea toxicity  | NOEC             | 0,1 mg/l  | 21 d    | Daphnia magna (Big<br>water flea)      |          |
|            | Acute bacteria toxicity   | EC50<br>mg/l ( ) | 7,92      | 3 h     | Activated sludge                       | OECD 209 |

**12.2. Persistence and degradability**

Based on available data, the classification criteria are not met.

| CAS No     | Chemical name   |        |    |        |
|------------|---|--------|----|--------|
|            | Method  | Value  | d  | Source |
|            | Evaluation  |        |    |        |
| 2634-33-5  | 1,2-benzisothiazol-3(2H)-one  |        |    |        |
|            | OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C   | 70-80% | 28 |        |
| 55965-84-9 | reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) |        |    |        |
|            | OECD 301D/ EEC 92/69/V, C.4-E   | >60%   | 28 |        |
|            | Readily biodegradable (according to OECD criteria).   |        |    |        |
|            | OECD 302B/ ISO 9888/ EEC 92/69/V, C.9   | 100%   | 28 |        |
|            | OECD 303/ EEC 92/69/V, C10  | >80%   | 28 |        |

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**12.3. Bioaccumulative potential**

Based on available data, the classification criteria are not met.

**Partition coefficient n-octanol/water**

| CAS No     | Chemical name   | Log Pow |
|------------|---|---------|
| 2634-33-5  | 1,2-benzisothiazol-3(2H)-one  | 0,7     |
| 2682-20-4  | 2-methyl-2H-isothiazol-3-one  | -0,32   |
| 55965-84-9 | reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | <3      |

**BCF**

| CAS No     | Chemical name   | BCF  | Species                 | Source   |
|------------|---|------|-------------------------|----------|
| 2634-33-5  | 1,2-benzisothiazol-3(2H)-one  | 189  | Danio rerio (zebrafish) | OECD 305 |
| 2682-20-4  | 2-methyl-2H-isothiazol-3-one  | 3,16 | No data available       |          |
| 55965-84-9 | reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | <100 |                         |          |

**12.4. Mobility in soil**

Based on available data, the classification criteria are not met.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

There are no data available on the mixture itself.

**Further information**

Do not allow to enter into surface water or drains.

**SECTION 13: Disposal considerations**
**13.1. Waste treatment methods**
**Disposal recommendations**

Do not allow to enter into surface water or drains.

Dispose according to legislation.

Dried out material residue can be disposed of with household waste. For liquid material residue, contact your local waste collection provider.

**List of Wastes Code - residues/unused products**

080112 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish other than those mentioned in 08 01 11

**List of Wastes Code - contaminated packaging**

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

**Contaminated packaging**

Contaminated packages must be completely emptied and can be re-used following proper cleaning. Packing which cannot be properly cleaned must be disposed of. Completely emptied packages can be recycled.

**SECTION 14: Transport information**
**Land transport (ADR/RID)**

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|  |  |
|--|--|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

**Inland waterways transport (ADN)**

|  |  |
|--|--|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

**Marine transport (IMDG)**

|  |  |
|--|--|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

**Air transport (ICAO-TI/IATA-DGR)**

|  |  |
|--|--|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

No dangerous good in sense of this transport regulation.

**14.7. Maritime transport in bulk according to IMO instruments**

not applicable

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

Directive 2010/75/EU on industrial emissions: 0,028 % (0,393 g/l)

Directive 2004/42/EC on VOC in paints and varnishes: 0,014 % (0,204 g/l)

**Additional information**

This product is a "treated article without a primary biocidal function" (Article 58 in conjunction with Article 3(1)(a)). The product contains biocides with preservative action to combat microbial decay (PT6).

**National regulatory information****Additional information**

This safety data sheet was prepared in accordance with Regulation (EU) 2020/878.

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information****Changes**

This data sheet contains changes from the previous version in section(s): 9,11,15.

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**Abbreviations and acronyms**

Acute Tox. 2: Acute toxicity, hazard category 2  
 Skin Corr. 1B: Skin corrosion, sub-category 1B  
 Skin Irrit. 2: Skin irritation, hazard category 2  
 Eye Dam. 1: Serious eye damage, hazard category 1  
 Skin Sens. 1: Skin sensitisation, hazard category 1  
 Aquatic Acute 1: Hazardous to the aquatic environment, hazard category: Acute 1  
 Aquatic Chronic 1: Hazardous to the aquatic environment, long-term hazard category: Chronic 1  
 EWG - Europäische Wirtschaftsgemeinschaft; EG - Europäische Gemeinschaft; CLP- Regulation on Classification, Labelling and Packaging of Substances and Mixtures; TRGS - Technische Regeln für Gefahrstoffe; PBT - persistenter bioakkumulierbarer und toxischer Stoff; vPvB - very persistent very bioaccumulative; REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals; VOC - Flüchtige organische Verbindung WGK - Wassergefährdungsklasse

**Key literature references and sources for data**

Sources: <http://www.gisbau.de> <http://www.baua.de>

**Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]**

|                    |                          |
|--------------------|--------------------------|
| Classification     | Classification procedure |
| Skin Sens. 1; H317 | Calculation method       |

**Relevant H and EUH statements (number and full text)**

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.  
 H400 Very toxic to aquatic life.  
 H410 Very toxic to aquatic life with long lasting effects.  
 EUH071 Corrosive to the respiratory tract.

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

**Identified uses**

| No | Short title                                   | LCS   | SU | PC | PROC   | ERC      | AC | TF | Specification |
|----|---|-------|----|----|--------|----------|----|----|---------------|
| 1  | Coatings and paints, thinners, paint removers | PW, C | 19 | 9a | 10, 11 | 10a, 11a | -  | -  | Sprüh/Rol/St  |

LCS: Life cycle stages

SU: Sectors of use

PC: Product categories

PROC: Process categories

ERC: Environmental release categories

AC: Article categories

TF: Technical functions

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*