

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended



Tana-Chemie GmbH  
Werner & Mertz Group

## LOGLIFE DIAMOND

WM 0716060

Order number: 0716060

Version 1.11

Revision Date 13.03.2025

Print Date 12.05.2025

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

#### 1.1 Product identifier

Trade name : LOGLIFE DIAMOND  
UFI : 9027-G0F6-600D-H7XD

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

Use of the Substance/Mixture : Care product / Polish  
  
Restricted to professional users.

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

Company : Tana Chemie GmbH  
Rheinallee 96  
55120 Mainz  
Telephone : +49613196403  
Telefax : +4961319642414  
E-mail address : Produktsicherheit@werner-mertz.com  
Responsible/issuing person  
Contact person : Product development / product safety

#### 1.4 Emergency telephone number

+49(0)551-19240

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture.

#### 2.2 Label elements

**Labelling (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture.

#### **Additional Labelling:**

Safety data sheet available on request.

EUH208 Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2- methyl-4-  
isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H -isothiazol-3- one [EC no. 220-  
239-6] (3:1). May produce an allergic reaction.

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

##### Components

| Chemical name                                                                                                                        | CAS-No.<br>EC-No.<br>Index-No.<br>Registration number      | Classification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Concentration<br>(% w/w) |
|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 1,2-benzisothiazol-3(2H)-one                                                                                                         | 2634-33-5<br>220-120-9<br>613-088-00-6<br>01-2120761540-60 | <p>Eye Dam. 1; H318<br/>Skin Sens. 1A; H317<br/>Aquatic Acute 1; H400<br/>Acute Tox. 2; H330<br/>Acute Tox. 4; H302<br/>Skin Irrit. 2; H315<br/>Aquatic Chronic 1; H410</p> <hr/> <p>M-Factor (Acute aquatic toxicity): 11<br/>M-Factor (Chronic aquatic toxicity): 11</p> <hr/> <p>specific concentration limit<br/>Skin Sens. 1A; H317<br/>≥ 0,036 %<br/>Skin Irrit. 2; H315<br/>≥ 10 %<br/>Eye Dam. 1; H318<br/>≥ 3 %<br/>Eye Irrit. 2; H319<br/>1 - &lt; 3 %<br/>Aquatic Acute 1; H400<br/>≥ 25 %<br/>Aquatic Chronic 2; H411<br/>≥ 25 %<br/>Aquatic Chronic 3; H412<br/>2,5 - &lt; 25 %<br/>Skin Sens. 1; H317<br/>≥ 0,036 %</p> <hr/> <p>Acute toxicity estimate<br/><br/>Acute oral toxicity:<br/>500,0 mg/kg<br/>450 mg/kg<br/>Acute inhalation toxicity<br/>(dust/mist): 0,21 mg/l</p> | ≥ 0,0025 - < 0,025       |
| reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3 | 55965-84-9<br>613-167-00-5                                 | <p>Acute Tox. 2; H330<br/>Acute Tox. 2; H310<br/>Acute Tox. 3; H301<br/>Skin Corr. 1C; H314<br/>Skin Sens. 1A; H317<br/>Aquatic Acute 1; H400</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ≥ 0,0002 - < 0,0015      |



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|  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|  |  | <p>Aquatic Chronic 1; H410<br/>Eye Dam. 1; H318<br/>EUH071</p> <hr/> <p>M-Factor (Acute aquatic toxicity): 100100<br/>M-Factor (Chronic aquatic toxicity): 100100</p> <hr/> <p>specific concentration limit<br/>Skin Corr. 1C; H314<br/>≥ 0,6 %<br/>Skin Irrit. 2; H315<br/>0,06 - &lt; 0,6 %<br/>Eye Irrit. 2; H319<br/>0,06 - &lt; 0,6 %<br/>Skin Sens. 1A; H317<br/>≥ 0,0015 %<br/>Skin Irrit. 2; H315<br/>0,06 - &lt; 0,6 %<br/>Skin Corr. 1C; H314<br/>≥ 0,6 %<br/>Eye Irrit. 2; H319<br/>0,06 - &lt; 0,6 %<br/>Eye Dam. 1; H318<br/>≥ 0,6 %<br/>Skin Sens. 1A; H317<br/>≥ 0,0015 %<br/>Eye Dam. 1; H318<br/>≥ 0,6 %</p> <hr/> <p>Acute toxicity estimate</p> <p>Acute oral toxicity:<br/>100,0 mg/kg<br/>Acute dermal toxicity:<br/>300 mg/kg</p> |  |
|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : No hazards which require special first aid measures.
- If inhaled : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.  
If symptoms persist, call a physician.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.

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- |                        |   |                                                                                                                                                                    |
|------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| In case of eye contact | : | Protect unharmed eye.<br>If easy to do, remove contact lens, if worn.<br>Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  |
| If swallowed           | : | Clean mouth with water and drink afterwards plenty of water.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person. |

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

- |          |   |                           |
|----------|---|---------------------------|
| Symptoms | : | No information available. |
| Risks    | : | No information available. |

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

- |           |   |                                                                                  |
|-----------|---|----------------------------------------------------------------------------------|
| Treatment | : | For specialist advice physicians should contact the Poisons Information Service. |
|-----------|---|----------------------------------------------------------------------------------|

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- |                              |   |                                                                                                         |
|------------------------------|---|---------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media | : | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
|------------------------------|---|---------------------------------------------------------------------------------------------------------|

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

- |                                      |   |                                                                           |
|--------------------------------------|---|---------------------------------------------------------------------------|
| Specific hazards during firefighting | : | Do not allow run-off from fire fighting to enter drains or water courses. |
| Hazardous combustion products        | : | No hazardous combustion products are known                                |

### 5.3 Advice for firefighters

- |                                               |   |                                                                                                                                                                                                                         |
|-----------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Special protective equipment for firefighters | : | In the event of fire, wear self-contained breathing apparatus.                                                                                                                                                          |
| Further information                           | : | Collect contaminated fire extinguishing water separately. This must not be discharged into drains.<br>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |

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## SECTION 6: Accidental release measures

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

- |                      |   |                                    |
|----------------------|---|------------------------------------|
| Personal precautions | : | Use personal protective equipment. |
|----------------------|---|------------------------------------|

### 6.2 Environmental precautions

- |                           |   |                                                                    |
|---------------------------|---|--------------------------------------------------------------------|
| Environmental precautions | : | Try to prevent the material from entering drains or water courses. |
|---------------------------|---|--------------------------------------------------------------------|

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

- |                         |   |                      |
|-------------------------|---|----------------------|
| Methods for cleaning up | : | Sweep up and shovel. |
|-------------------------|---|----------------------|

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Wipe up with absorbent material (e.g. cloth, fleece).  
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For personal protection see section 8., Treat recovered material as described in the section "Disposal considerations". Refer to section 15 for specific national regulation.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Advice on safe handling : For personal protection see section 8.  
No special handling advice required.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Hygiene measures : Wash hands before breaks and at the end of workday.

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

- Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container.
- Advice on common storage : No special restrictions on storage with other products.
- Further information on storage stability : No decomposition if stored and applied as directed.  
Protect from frost.

### 7.3 Specific end use(s)

- Specific use(s) : Care product / Polish

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

**Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:**

| Substance name            | End Use   | Exposure routes | Potential health effects   | Value      |
|---------------------------|-----------|-----------------|----------------------------|------------|
| 2-(2-ethoxyethoxy)ethanol | Workers   | Skin contact    | Long-term systemic effects | 50 mg/kg   |
|                           | Consumers | Ingestion       | Long-term systemic effects | 25 mg/kg   |
|                           | Consumers | Skin contact    | Long-term systemic effects | 25 mg/kg   |
|                           | Workers   | Inhalation      | Long-term local effects    | 37 mg/m3   |
|                           | Consumers | Inhalation      | Long-term systemic         | 18,3 mg/m3 |

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|                                                                 |           |              | effects                              |            |
|-----------------------------------------------------------------|-----------|--------------|--------------------------------------|------------|
|                                                                 | Consumers | Inhalation   | Long-term local effects              | 9 mg/m3    |
|                                                                 | Workers   | Inhalation   | Long-term local effects              | 18 mg/m3   |
|                                                                 | Workers   | Inhalation   | Long-term systemic effects           | 37 mg/m3   |
| isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol | Workers   | Skin contact | Long-term exposure, Systemic effects | 13,9 mg/kg |
|                                                                 | Workers   | Inhalation   | Long-term exposure, Systemic effects | 49 mg/m3   |
|                                                                 | Consumers | Skin contact | Long-term exposure, Systemic effects | 8,33 mg/kg |
|                                                                 | Consumers | Inhalation   | Long-term exposure, Systemic effects | 14,5 mg/m3 |
|                                                                 | Consumers | Ingestion    | Long-term exposure, Systemic effects | 8,33 mg/kg |

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

| Substance name                                                  | Environmental Compartment | Value       |
|-----------------------------------------------------------------|---------------------------|-------------|
| 2-(2-ethoxyethoxy)ethanol                                       | Fresh water               | 0,74 mg/l   |
|                                                                 | Marine water              | 0,074 mg/l  |
|                                                                 | Fresh water sediment      | 2,47 mg/kg  |
|                                                                 | Marine sediment           | 0,274 mg/kg |
|                                                                 | Soil                      | 0,15 mg/kg  |
|                                                                 | STP                       | 500 mg/l    |
|                                                                 | intermittent release      | 10 mg/l     |
| isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol | Fresh water               | 0,015 mg/l  |
|                                                                 | Marine water              | 0,0015 mg/l |
|                                                                 | Fresh water sediment      | 0,17 mg/kg  |
|                                                                 | Marine sediment           | 0,017 mg/kg |
|                                                                 | Soil                      | 0,13 mg/kg  |

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### 8.2 Exposure controls

#### Personal protective equipment

Eye/face protection : not required under normal use

Hand protection

Material : not required under normal use

Material : For prolonged or repeated contact use protective gloves.

It is suggested the usage of chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.

As alternative, a different type of gloves might be used if, accordingly to the recommendations of the producer, guarantee the same level of protection.

Remarks : Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Skin and body protection : not required under normal use

Respiratory protection : not required under normal use

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state : liquid

Colour : white

Odour : very faint

Melting point/freezing point : No data available

Boiling point/boiling range : No data available

Flammability (solid, gas) : No data available

Flammability (liquids) : No data available

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|                                            |                                    |
|--------------------------------------------|------------------------------------|
| Lower explosion limit                      | : No data available                |
| Upper explosion limit                      | : No data available                |
| Flash point                                | : does not flash                   |
| Ignition temperature                       | : No data available                |
| Decomposition temperature                  | : No data available                |
| pH                                         | : ca. 8,4, 100 %<br>at 20 °C       |
| Viscosity, dynamic                         | : No data available                |
| Viscosity, kinematic                       | : No data available                |
| Water solubility                           | : No data available                |
| Solubility in other solvents               | : No data available                |
| Partition coefficient: n-<br>octanol/water | : No data available                |
| Vapour pressure                            | : No data available                |
| Density                                    | : 1,022 g/cm <sup>3</sup> at 20 °C |
| Relative density                           | : No data available                |
| Relative vapour density                    | : No data available                |
| Particle characteristics                   | : No data available                |

### 9.2 Other information

none

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under recommended storage conditions.  
No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No hazards to be specially mentioned.

### 10.4 Conditions to avoid

Conditions to avoid : Protect from frost.

### 10.5 Incompatible materials

Materials to avoid : No data available

### 10.6 Hazardous decomposition products

No hazardous decomposition products are known.

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### SECTION 11: Toxicological information

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

Our company is strongly against animal testing.

Our company does not place any orders for animal testing for the finished product or the ingredients.

However, as a result of EU legislation (REACH Regulation), the manufacturers of ingredients or EU importers are obliged to test ingredients with regard to their effects on human health and the environment before they are brought onto the market. Some of the tests made necessary by this took place decades ago.

#### Acute toxicity

Acute toxicity : Not Rated

#### Components:

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

##### 2634-33-5:

Acute oral toxicity : LD50 (Rat): 1.150 mg/kg

Acute toxicity estimate: 500,0 mg/kg

Method: Converted acute toxicity point estimate

LD50 (Rat): 1.193 mg/kg

LD50 (Rat, male and female): 784 mg/kg

Method: OECD Test Guideline 401

GLP: yes

LD50 (Rat): 490 mg/kg

LD50 (Rat): 670 mg/kg

Acute toxicity estimate: 450 mg/kg

Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008

Acute inhalation toxicity : LC50 (Rat): 0,25 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

LC50 (Rat): 0,5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OPPTS 870.1300  
GLP: yes

LC50 (Rat): 0,11 mg/l  
Test atmosphere: dust/mist

Acute toxicity estimate: 0,21 mg/l

Test atmosphere: dust/mist

Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008

Acute dermal toxicity : LD50 (Rat): 4.115 mg/kg

LD50 (Rat, male and female): > 2.000 mg/kg

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GLP: yes

LD50 Dermal (Rabbit): > 2.000 mg/kg

**reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3**

**55965-84-9:**

Acute oral toxicity : Acute toxicity estimate: 100,0 mg/kg  
Method: Converted acute toxicity point estimate

LD50 (Rat): 64 mg/kg

LD50 (Rat): 490 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat, male and female): 0,171 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

LC50 (Rat): 0,17 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rabbit): 92,4 mg/kg  
  
Acute toxicity estimate: 300 mg/kg  
Method: Converted acute toxicity point estimate

LD50 Dermal (Rat): 87 mg/kg

LD50 (Rat): > 2.000 mg/kg  
Method: OECD Test Guideline 402

### Skin corrosion/irritation

#### Product:

Remarks : According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

#### Components:

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

**2634-33-5:**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : Skin irritation

**reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3**

**55965-84-9:**

Species : Rabbit  
Result : irritating

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### Serious eye damage/eye irritation

#### Product:

Remarks : According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

#### Components:

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

###### 2634-33-5:

Species : Rabbit  
Method : OECD Test Guideline 405  
Result : Causes serious eye damage.

Species : Bovine cornea  
Method : OECD Test Guideline 437  
Result : Risk of serious damage to eyes.

### Respiratory or skin sensitisation

#### Product:

Remarks : No data available

#### Components:

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

###### 2634-33-5:

Exposure routes : Dermal  
Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : May cause sensitisation by skin contact.

Exposure routes : Dermal  
Species : Mouse  
Method : OECD Test Guideline 429  
Result : May cause sensitisation by skin contact.

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3

###### 55965-84-9:

Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : May cause sensitisation by skin contact.

Germ cell mutagenicity : Not Rated

Carcinogenicity : Not Rated

Reproductive toxicity : Not Rated

STOT - single exposure : The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure : The substance or mixture is not classified as specific target organ

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toxicant, repeated exposure.

Aspiration toxicity : Not Rated

### 11.2 Information on other hazards

#### Further information

##### Product:

Remarks : No data available

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

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

##### **2634-33-5:**

Toxicity to fish

: LC50 (Oncorhynchus mykiss (rainbow trout)): 16,0 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

LC50 (Oncorhynchus mykiss (rainbow trout)): 2,18 mg/l  
Exposure time: 96 h  
Test Type: static test  
Analytical monitoring: yes  
Method: OECD Test Guideline 203  
GLP: yes

LC50 (Cyprinodon variegatus (sheepshead minnow)): ca. 16,7 mg/l  
Exposure time: 96 h  
Test Type: static test  
Analytical monitoring: yes  
GLP: yes

NOEC (Oncorhynchus mykiss (rainbow trout)): 0,21 mg/l  
Exposure time: 28 d  
Method: OECD Test Guideline 215

NOEC (Oncorhynchus mykiss (rainbow trout)): 2,1 mg/l  
Exposure time: 28 d

LC50 (Oncorhynchus mykiss (rainbow trout)): 1,6 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

LC50 (Oncorhynchus mykiss (rainbow trout)): 2,2 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 32,7 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

EC50 (Daphnia magna (Water flea)): 2,94 mg/l  
Exposure time: 48 h  
Test Type: static test



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Analytical monitoring: yes  
Method: OECD Test Guideline 202  
GLP: yes

EC0 (Daphnia magna (Water flea)): 0,643 mg/l  
Exposure time: 48 h  
Test Type: static test  
Analytical monitoring: yes  
Method: OECD Test Guideline 202  
GLP: yes

EC50 (Mysidopsis bahia (opossum shrimp)): 0,9893 mg/l  
Exposure time: 96 h  
Test Type: static test  
Analytical monitoring: yes  
GLP: yes

NOEC (Daphnia (water flea)): 1,02 mg/l  
Exposure time: 21 d  
Method: OECD Test Guideline 211

NOEC (Daphnia (water flea)): 12 mg/l  
Exposure time: 21 d

EC50 (Daphnia magna (Water flea)): 3,27 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC10 (Pseudokirchneriella subcapitata (green algae)): 0,04 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

EC50 (Pseudokirchneriella subcapitata (green algae)): 0,11 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

EC50 (Selenastrum capricornutum (green algae)): 1,1 mg/l  
Exposure time: 72 h  
Analytical monitoring: yes  
Method: OECD Test Guideline 201  
GLP: yes

NOEC (Selenastrum capricornutum (green algae)): 0,04 mg/l  
Exposure time: 72 h  
Analytical monitoring: yes  
Method: OECD Test Guideline 201  
GLP: yes

EC100 (Pseudokirchneriella subcapitata (green algae)): 0,067 mg/l  
Exposure time: 72 h

NOEC (Pseudokirchneriella subcapitata (green algae)): 0,4 mg/l  
Exposure time: 72 h

ErC50 (Pseudokirchneriella subcapitata (green algae)): 0,11 mg/l  
Exposure time: 72 h

NOEC (Skeletonema costatum (marine diatom)): 0,027 mg/l  
Exposure time: 72 h

EC50 (Selenastrum capricornutum (green algae)): 0,11 mg/l

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Exposure time: 72 h

NOEC (Selenastrum capricornutum (green algae)): 0,04 mg/l

Exposure time: 72 h

M-Factor (Acute aquatic toxicity) : 1

1

Toxicity to microorganisms : EC20 (activated sludge): 3,3 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209

EC50 (activated sludge): 13 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209

Toxicity to fish (Chronic toxicity) : NOEC: 0,21 mg/l  
Species: Oncorhynchus mykiss (rainbow trout)  
Method: OECD Test Guideline 215

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 1,2 mg/l  
Exposure time: 21 d  
Species: Daphnia (water flea)  
Method: OECD Test Guideline 211

M-Factor (Chronic aquatic toxicity) : 1

1

### 5-Chloro-2-methyl-3(2H)isothiazolone mixt. with 2-Methyl-3(2H)isothiazolone

#### 55965-84-9:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 14,8 mg/l  
Exposure time: 96 h

LC50 (Oncorhynchus mykiss (rainbow trout)): 0,188 mg/l  
Exposure time: 96 h

LC50 (Oncorhynchus mykiss (rainbow trout)): 0,22 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

NOEC (Oncorhynchus mykiss (rainbow trout)): 0,098 mg/l  
Exposure time: 28 d

LC50 (Oncorhynchus mykiss (rainbow trout)): 0,19 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 8 mg/l  
Exposure time: 48 h

EC50 (Daphnia magna (Water flea)): 0,126 mg/l  
Exposure time: 48 h

EC50 (Daphnia (water flea)): 0,1 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

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(Daphnia (water flea)): 0,004 mg/l  
Exposure time: 21 d  
Method: OECD Test Guideline 211

EC50 (Daphnia magna (Water flea)): 0,16 mg/l  
Exposure time: 48 h

EC50 (Daphnia magna (Water flea)): 0,16 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Selenastrum capricornutum (green algae)): 1,67 mg/l  
Exposure time: 72 h

EC50 (Selenastrum capricornutum (green algae)): 0,027 mg/l  
Exposure time: 72 h

EC50 (Skeletonema costatum (marine diatom)): 0,0052 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 201

NOEC (Skeletonema costatum (marine diatom)): 0,00064 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 201

NOEC (Pseudokirchneriella subcapitata (green algae)): 0,0012 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

EC50 (Pseudokirchneriella subcapitata (green algae)): 0,048 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

EC50 (Skeletonema costatum (marine diatom)): 0,0052 mg/l  
Exposure time: 48 h  
Method: ISO 10253

NOEC (Skeletonema costatum (marine diatom)): 0,00064 mg/l  
Exposure time: 48 h  
Method: ISO 10253

ErC50 (Skeletonema costatum (marine diatom)): 19,9 µg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

ErC50 (Skeletonema costatum (marine diatom)): 6,3 µg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

ErC50 (Pseudokirchneriella subcapitata (green algae)): 27,3 µg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

NOEC (Skeletonema costatum (marine diatom)): 0,49 µg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 201

NOEC (Skeletonema costatum (marine diatom)): 1,4 µg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

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|                                                                        |   |                                                                                                                      |
|------------------------------------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------|
| M-Factor (Acute aquatic toxicity)                                      | : | 100                                                                                                                  |
|                                                                        |   | 100                                                                                                                  |
| Toxicity to microorganisms                                             | : | EC20 (activated sludge): 0,97 mg/l<br>Exposure time: 3 h<br>Method: OECD Test Guideline 209                          |
|                                                                        |   | EC50 (activated sludge): 7,92 mg/l<br>Exposure time: 3 h<br>Method: OECD Test Guideline 209                          |
|                                                                        |   | EC50 (activated sludge): 4,5 mg/l<br>Method: OECD Test Guideline 209                                                 |
| Toxicity to fish (Chronic toxicity)                                    | : | 0,098 mg/l<br>Exposure time: 28 d<br>Species: Oncorhynchus mykiss (rainbow trout)<br>Method: OECD Test Guideline 210 |
|                                                                        |   | 0,02 mg/l<br>Exposure time: 38 d<br>Species: Oncorhynchus mykiss (rainbow trout)<br>Method: OECD Test Guideline 210  |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : | NOEC: 0,004 mg/l<br>Species: Daphnia magna (Water flea)<br>Method: OECD Test Guideline 211                           |
| M-Factor (Chronic aquatic toxicity)                                    | : | 100                                                                                                                  |
|                                                                        |   | 100                                                                                                                  |

### 12.2 Persistence and degradability

#### Components:

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

##### **2634-33-5:**

|                  |   |                                                                                                                            |
|------------------|---|----------------------------------------------------------------------------------------------------------------------------|
| Biodegradability | : | Test Type: Primary biodegradation<br>Result: Biodegradable<br>Biodegradation: > 90 %<br>Method: see user defined free text |
|------------------|---|----------------------------------------------------------------------------------------------------------------------------|

##### **5-Chloro-2-methyl-3(2H)isothiazolone mixt. with 2-Methyl-3(2H)isothiazolone**

##### **55965-84-9:**

|                  |   |                                                                                                                                     |
|------------------|---|-------------------------------------------------------------------------------------------------------------------------------------|
| Biodegradability | : | Inoculum: activated sludge<br>Result: Readily biodegradable.<br>Biodegradation: > 60 %<br>Exposure time: 28 d<br>Method: OECD 301 D |
|                  |   | Inoculum: activated sludge<br>Biodegradation: > 80 %<br>Method: OECD Test Guideline 303A<br>Remarks: Expected to be biodegradable   |
|                  |   | Inoculum: activated sludge                                                                                                          |



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Biodegradation: 47,1 - 55,8 %  
Exposure time: 28 d  
Method: OECD 301 B

### 12.3 Bioaccumulative potential

#### Components:

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

##### 2634-33-5:

Bioaccumulation : Species: Fish  
Bioconcentration factor (BCF): 6,95  
Method: OECD Test Guideline 305

Partition coefficient: n-  
octanol/water : log Pow: 0,4

##### 5-Chloro-2-methyl-3(2H)isothiazolone mixt. with 2-Methyl-3(2H)isothiazolone

##### 55965-84-9:

Bioaccumulation : Exposure time: 28 d  
Bioconcentration factor (BCF): < 500  
Method: OECD Test Guideline 305

Partition coefficient: n-  
octanol/water : log Pow: -0,71 - 0,75  
Method: OECD Test Guideline 107

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### Components:

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

##### 2634-33-5:

Assessment : This substance is not considered to be very persistent and very bioaccumulating (vPvB).. This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

##### 5-Chloro-2-methyl-3(2H)isothiazolone mixt. with 2-Methyl-3(2H)isothiazolone

##### 55965-84-9:

Assessment : This substance is not considered to be very persistent and very bioaccumulating (vPvB).. This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

### 12.6 Endocrine disrupting properties

No data available

### 12.7 Other adverse effects

#### Product:

Additional ecological information : There is no data available for this product.

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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

|                        |                                                                                                                                                                                                                                                              |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product                | : In accordance with local and national regulations.                                                                                                                                                                                                         |
| Contaminated packaging | : Empty remaining contents.<br>Empty containers should be taken to an approved waste handling site for recycling or disposal.                                                                                                                                |
| Waste Code             | European Waste Catalogue<br>08 02 99<br>According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. |

### SECTION 14: Transport information

#### 14.1 UN number or ID number

**ADR**  
Not dangerous goods  
**RID**  
Not dangerous goods  
**IMDG**  
Not dangerous goods  
**IATA**  
Not dangerous goods

#### 14.2 UN proper shipping name

Not regulated as a dangerous good

#### 14.3 Transport hazard class(es)

**ADR**  
Not dangerous goods  
**RID**  
Not dangerous goods  
**IMDG**  
Not dangerous goods  
**IATA**  
Not dangerous goods

#### 14.4 Packing group

**ADR**  
Not dangerous goods  
**RID**  
Not dangerous goods  
**IMDG**  
Not dangerous goods  
**IATA**  
Not dangerous goods

#### 14.5 Environmental hazards

**ADR**  
Not dangerous goods  
**RID**

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Not dangerous goods

**IMDG**

Not regulated as a dangerous good

**IATA**

Not dangerous goods

### 14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.

For personal protection see section 8.

### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : Not applicable

TA Luft List (Germany) : Total dust: Not applicable  
: Inorganic substances in powdered form: Not applicable  
: Inorganic substances in vapour or gaseous form: Not applicable  
: Organic Substances: : portionClass 1: 0,02 %  
: Carcinogenic substances: Not applicable  
: Mutagenic: Not applicable  
: Toxic to reproduction: Not applicable

Volatile organic compounds (VOC) content : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Update: Percent volatile: 4,54 %  
173,71 g/l  
VOC content excluding water

Volatile organic compounds (VOC) content : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Update: Percent volatile: 4,54 %  
46,49 g/l  
VOC content valid only for coating materials used on wood surfaces

according to Detergents Regulation EC 648/2004 : <5% non-ionic surfactants, PHENOXYETHANOL, BENZISOTHIAZOLINONE, METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE

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### 15.2 Chemical safety assessment

#### SECTION 16: Other information

##### Full text of H-Statements

|        |                                                         |
|--------|---------------------------------------------------------|
| H301   | : Toxic if swallowed.                                   |
| H302   | : Harmful if swallowed.                                 |
| H310   | : Fatal 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.                   |

##### Full text of other abbreviations

|                 |                                      |
|-----------------|--------------------------------------|
| Acute Tox.      | : Acute toxicity                     |
| Aquatic Acute   | : Short-term (acute) aquatic hazard  |
| Aquatic Chronic | : Long-term (chronic) aquatic hazard |
| Eye Dam.        | : Serious eye damage                 |
| Skin Corr.      | : Skin corrosion                     |
| Skin Irrit.     | : Skin irritation                    |
| Skin Sens.      | : Skin sensitisation                 |

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECL - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

##### Further information

Classification of the mixture:

Classification procedure:

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Calculation method

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