

Trade name: Hesse HYDRO-PU RESISTCOLOR, silk matt HDB 54345-9010

Version: 3 / GB

Revision: 16.10.2021

Replaces Version: 2 / GB

Print date: 22.10.21

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Hesse HYDRO-PU RESISTCOLOR, silk matt HDB 54345-9010

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

#### Use of the substance/preparation

Surface treatment of wood and other materials

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

#### Manufacturer

Hesse GmbH & Co. KG  
 Warendorfer Strasse 21  
 59075 Hamm (Germany)  
 Telephone no. +49 (0) 2381 963-00  
 Fax no. +49 (0) 2381 963-849  
 E-mail address ps@hesse-lignal.de

### 1.4. Emergency telephone number

Germany: +49 (0) 2381 788-612

## 2. Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification (Regulation (EC) No. 1272/2008)

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

### 2.2. Label elements

#### Labelling according to regulation (EC) No 1272/2008

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); reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3- one [EC no. 220-239-6] (3:1), 2,4,7,9-tetramethyldec-5-yne-4,7-diol, May produce an allergic reaction.

#### Supplemental information

EUH210 Safety data sheet available on request.

### 2.3. Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB) (if not listed in Section 3).

## 3. Composition/information on ingredients

### Hazardous ingredients

#### 3-butoxypropan-2-ol

|                  |                  |   |   |    |   |
|------------------|------------------|---|---|----|---|
| CAS No.          | 5131-66-8        |   |   |    |   |
| EINECS no.       | 225-878-4        |   |   |    |   |
| Registration no. | 01-2119475527-28 |   |   |    |   |
| Concentration    | >=               | 1 | < | 10 | % |

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## Classification (Regulation (EC) No. 1272/2008)

|               |      |
|---------------|------|
| Eye Irrit. 2  | H319 |
| Skin Irrit. 2 | H315 |

**2,4,7,9-tetramethyldec-5-yne-4,7-diol**

CAS No. 126-86-3

EINECS no. 204-809-1

Registration no. 01-2119954390-39

Concentration  $\geq 0,1$  < 1 %

## Classification (Regulation (EC) No. 1272/2008)

|                   |      |
|-------------------|------|
| Eye Dam. 1        | H318 |
| Skin Sens. 1B     | H317 |
| Aquatic Chronic 3 | H412 |

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

CAS No. 2634-33-5

EINECS no. 220-120-9

Concentration &lt; 0,05 %

## Classification (Regulation (EC) No. 1272/2008)

|                   |      |
|-------------------|------|
| Acute Tox. 4      | H302 |
| Skin Irrit. 2     | H315 |
| Eye Dam. 1        | H318 |
| Skin Sens. 1      | H317 |
| Aquatic Acute 1   | H400 |
| Aquatic Chronic 2 | H411 |

## Concentration limits (Regulation (EC) No. 1272/2008)

Skin Sens. 1 H317  $\geq 0,05$  %**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); reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3- one [EC no. 220-239-6] (3:1)**

CAS No. 55965-84-9

EINECS no. 247-500-7

Concentration &lt; 0,001 %

## Classification (Regulation (EC) No. 1272/2008)

|                   |      |
|-------------------|------|
| Acute Tox. 2      | H330 |
| Acute Tox. 2      | H310 |
| Acute Tox. 3      | H301 |
| Skin Corr. 1B     | H314 |
| Skin Sens. 1      | H317 |
| Aquatic Acute 1   | H400 |
| Aquatic Chronic 1 | H410 |
| Eye Dam. 1        | H318 |

## Concentration limits (Regulation (EC) No. 1272/2008)

|                   |      |                 |
|-------------------|------|-----------------|
| Skin Corr. 1C     | H314 | $\geq 0,6$ %    |
| Skin Irrit. 2     | H315 | $\geq 0,06$ %   |
| Eye Irrit. 2      | H319 | $\geq 0,06$ %   |
| Skin Sens. 1      | H317 | $\geq 0,0015$ % |
| Eye Dam. 1        | H318 | $\geq 0,6$ %    |
| Aquatic Chronic 1 | H410 | M = 100         |

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Aquatic Acute 1 H400 M = 100

**Note**

For explanation of abbreviations see section 16.

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57) (if not listed in Section 3).

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

Remove affected person from danger area, lay him down. In all cases of doubt, or when symptoms persist, seek medical attention. Get medical advice/attention if you feel unwell. First aider: Pay attention to self-protection!

**After inhalation**

When spray fog inhaled, seek medical aid.

**After skin contact**

Wash off immediately with soap and water. Do NOT use solvents or thinners. Consult a doctor if skin irritation persists.

**After eye contact**

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice. Take medical treatment.

**After ingestion**

Do not induce vomiting. Take medical treatment.

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

Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

**4.3. Indication of any immediate medical attention and special treatment needed****Hints for the physician / treatment**

Treat symptomatically.

**5. Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**Recommended: alcohol resistant foam, CO<sub>2</sub>, powders, water spray/mist**Non suitable extinguishing media**

Do not use a solid water stream as it may scatter and spread fire.

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

Fire will produce dense black smoke. In a fire, hazardous decomposition products may be produced. Exposure to decomposition products may cause a health hazard.

**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

In case of combustion evolution of dangerous gases possible. Use self-contained breathing apparatus.

**Other information**

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

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fire with water. Standard procedure for chemical fires.

## 6. Accidental release measures

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

Do not inhale vapours. Do not inhale gases. Do not inhale mist.

### 6.2. Environmental precautions

Do not allow to enter drains or waterways. Do not allow to enter soil, waterways or waste water canal. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Do NOT use solvents or thinners. Send in suitable containers for recovery or disposal.

### 6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

## 7. Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Keep container tightly closed and dry in a cool, well-ventilated place. Avoid contact with skin and eyes. Avoid inhalation of vapour and spray mist. Do not eat, drink or smoke when using this product. Use personal protective clothing. For personal protection see Section 8.

#### Advice on protection against fire and explosion

Fight fire with normal precautions from a reasonable distance.

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

#### Requirements for storage rooms and vessels

Keep only in the original container in a cool, well ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

#### Hints on storage assembly

Store away from oxidising agents, from strongly alkaline and strongly acid materials.

#### Storage classes

Storage class according to TRGS 510      10      Flammable liquids

#### Further information on storage conditions

Keep away from heat. Protect from sunlight. Keep away from sources of ignition - No smoking. Store in accordance with the particular national regulations.

## 8. Exposure controls/personal protection

### 8.1. Control parameters

#### Other information

-

#### Derived No/Minimal Effect Levels (DNEL/DMEL)

##### 3-butoxypropan-2-ol

Type of value

Derived No Effect Level (DNEL)

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|                      |                  |         |
|----------------------|------------------|---------|
| Reference group      | Consumer         |         |
| Duration of exposure | Long-term        |         |
| Route of exposure    | Oral exposure    |         |
| Mode of action       | Systemic effects |         |
| Concentration        | 8,75             | mg/kg/d |

|                      |                                |         |
|----------------------|--------------------------------|---------|
| Type of value        | Derived No Effect Level (DNEL) |         |
| Reference group      | Consumer                       |         |
| Duration of exposure | Long-term                      |         |
| Route of exposure    | Dermal exposure                |         |
| Mode of action       | Systemic effects               |         |
| Concentration        | 16                             | mg/kg/d |

|                      |                                |         |
|----------------------|--------------------------------|---------|
| Type of value        | Derived No Effect Level (DNEL) |         |
| Reference group      | Workers (professional)         |         |
| Duration of exposure | Long-term                      |         |
| Route of exposure    | Dermal exposure                |         |
| Mode of action       | Systemic effects               |         |
| Concentration        | 44                             | mg/kg/d |

|                      |                                |                   |
|----------------------|--------------------------------|-------------------|
| Type of value        | Derived No Effect Level (DNEL) |                   |
| Reference group      | Consumer                       |                   |
| Duration of exposure | Long-term                      |                   |
| Route of exposure    | inhalative                     |                   |
| Mode of action       | Systemic effects               |                   |
| Concentration        | 33,8                           | mg/m <sup>3</sup> |

|                      |                                |                   |
|----------------------|--------------------------------|-------------------|
| Type of value        | Derived No Effect Level (DNEL) |                   |
| Reference group      | Workers (professional)         |                   |
| Duration of exposure | Long-term                      |                   |
| Route of exposure    | inhalative                     |                   |
| Mode of action       | Systemic effects               |                   |
| Concentration        | 270,5                          | mg/m <sup>3</sup> |

**Predicted No Effect Concentration (PNEC)**

**3-butoxypropan-2-ol**

|               |            |      |
|---------------|------------|------|
| Type of value | PNEC       |      |
| Type          | Freshwater |      |
| Concentration | 0,525      | mg/l |

|               |           |      |
|---------------|-----------|------|
| Type of value | PNEC      |      |
| Type          | Saltwater |      |
| Concentration | 0,0525    | mg/l |

|               |                  |      |
|---------------|------------------|------|
| Type of value | PNEC             |      |
| Conditions    | sporadic release |      |
| Concentration | 5,25             | mg/l |

|               |                              |      |
|---------------|------------------------------|------|
| Type of value | PNEC                         |      |
| Type          | Sewage treatment plant (STP) |      |
| Concentration | 10                           | mg/l |

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|               |                      |  |       |
|---------------|----------------------|--|-------|
| Type of value | PNEC                 |  |       |
| Type          | Fresh water sediment |  |       |
| Concentration | 2,36                 |  | mg/kg |
| Type of value | PNEC                 |  |       |
| Type          | saltwater sediment   |  |       |
| Concentration | 0,236                |  | mg/kg |
| Type of value | PNEC                 |  |       |
| Type          | Soil                 |  |       |
| Concentration | 0,16                 |  | mg/kg |

## 8.2. Exposure controls

### Exposure controls

Users are advised to consider national Occupational Exposure Limits or other equivalent values. Provide for sufficient ventilation. This can be achieved by local exhaust or general exhaust air collection. Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values.

### Respiratory protection

Avoid inhalation of vapour and spray mist. Use breathing apparatus if exposed to vapours/dust/aerosol. Recommended Filter type: Respiratory protection mask with combination filter A/P2

### Hand protection

Protective gloves complying with EN 374.

Glove material

Appropriate Material butyl-rubber

Material thickness  $\geq$  0,5 mm

Breakthrough time  $\geq$  120 min

This recommendation is valid only for the product named in this safety data sheet supplied by us, and only for the indicated intended use purposes.

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.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

The breakthrough time must be greater than the end use time of the product.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.

### Eye protection

Wear eye glasses with side protection according to EN 166.

### Body protection

Wear suitable protective clothing. Remove contaminated clothing and wash it before reuse. Wash hands before breaks and after work.

## 9. Physical and chemical properties \*\*\*

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

|               |                |
|---------------|----------------|
| <b>Form</b>   | liquid         |
| <b>Colour</b> | white          |
| <b>Odour</b>  | characteristic |

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**Odour threshold**

Remarks not determined

**pH value**Value 8  
Concentration/H<sub>2</sub>O 100**Melting point**

Remarks not determined

**Freezing point**

Remarks not determined

**Initial boiling point and boiling range**

Value 78 to 173 °C

**Flash point \*\*\***

Value &gt; 60 °C

**Flammability (solid, gas)**

not determined

**Upper/lower flammability or explosive limits**

Remarks not determined

**Vapour pressure**

Remarks not determined

**Vapour density**

Remarks not determined

**Density**Value appr. 1,198 kg/l  
Temperature 20 °C**Solubility in water**

Remarks not determined

**Solubility(ies)**

Remarks not determined

**Partition coefficient: n-octanol/water**

Remarks not determined

**Ignition temperature**

Remarks not determined

**Decomposition temperature**

Remarks not determined

**Viscosity**

Remarks not determined

**Efflux time**Value 28 to 42 s  
Temperature 20 °C  
Method DIN 53211 - 6 mm**Explosive properties**

evaluation not determined

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**Oxidising properties**

Remarks not determined

**9.2. Other information****Non-volatile content**

|        |                  |   |
|--------|------------------|---|
| Value  | 44,9             | % |
| Method | calculated value |   |

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

Stable under recommended storage and handling conditions (see section 7).

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

To avoid thermal decomposition, do not overheat.

**10.4. Conditions to avoid**

Isolate from sources of heat, sparks and open flame.

**10.5. Incompatible materials**

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

**10.6. Hazardous decomposition products**Carbon monoxide and carbon dioxide, nitrous oxides (NO<sub>x</sub>), dense black smoke, No decomposition if used as prescribed.**11. Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity**

|         |   |
|---------|---|
| Method  | Calculation method (Regulation (EC) No. 1272/2008)                |
| Remarks | Based on available data, the classification criteria are not met. |

**Acute oral toxicity (Components)****1,2-benzisothiazol-3(2H)-one**

|  |                  |       |
|--|------------------|-------|
| Species  | rat              |       |
| LD50   | 1193             | mg/kg |
| <b>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); reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3- one [EC no. 220-239-6] (3:1)</b> |                  |       |
| ATE  | 100              | mg/kg |
| Method   | conversion value |       |

**Acute dermal toxicity**

|         |   |
|---------|---|
| Method  | Calculation method (Regulation (EC) No. 1272/2008)                |
| Remarks | Based on available data, the classification criteria are not met. |

**Acute dermal toxicity (Components)**

**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); reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one**



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**[EC no. 247-500-7] and 2-methyl-4-isothiazolin-3- one [EC no. 220-239-6] (3:1)**

|        |            |       |
|--------|------------|-------|
| ATE    | 50         | mg/kg |
| Method | conversion |       |

**Acute inhalational toxicity**

|         |   |
|---------|---|
| Method  | Calculation method (Regulation (EC) No. 1272/2008)                |
| Remarks | Based on available data, the classification criteria are not met. |

**Acute inhalative toxicity (Components)**

**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); reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3- one [EC no. 220-239-6] (3:1)**

|                      |                  |      |
|----------------------|------------------|------|
| ATE                  | 0,05             | mg/l |
| Duration of exposure | 4                | h    |
| Administration/Form  | Dust/Mist        |      |
| Method               | conversion value |      |
| Remarks              | Mist             |      |

**Skin corrosion/irritation**

|         |   |
|---------|---|
| Method  | Calculation method (Regulation (EC) No. 1272/2008)                |
| Remarks | Based on available data, the classification criteria are not met. |

**Skin corrosion/irritation (Components)****3-butoxypropan-2-ol**

|            |                     |
|------------|---------------------|
| Species    | rabbit              |
| evaluation | Irritating to skin. |

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

|            |                     |
|------------|---------------------|
| evaluation | Irritating to skin. |
|------------|---------------------|

**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); reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3- one [EC no. 220-239-6] (3:1)**

|            |                        |
|------------|------------------------|
| Species    | rabbit                 |
| evaluation | Severe skin irritation |

**Serious eye damage/irritation**

|         |   |
|---------|---|
| Method  | Calculation method (Regulation (EC) No. 1272/2008)                |
| Remarks | Based on available data, the classification criteria are not met. |

**Serious eye damage/irritation (Components)****3-butoxypropan-2-ol**

|            |            |
|------------|------------|
| Species    | rabbit     |
| evaluation | irritating |

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

|            |                     |
|------------|---------------------|
| evaluation | Irritating to eyes. |
|------------|---------------------|

**2,4,7,9-tetramethyldec-5-yne-4,7-diol****Sensitization**

|         |   |
|---------|---|
| Method  | Calculation method (Regulation (EC) No. 1272/2008)                |
| Remarks | Based on available data, the classification criteria are not met. |

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

|                     |  |
|---------------------|--|
| Reference substance | 1,2-benzisothiazol-3(2H)-one             |
| evaluation          | May cause sensitization by skin contact. |

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Species guinea pig  
 evaluation Causes sensitisation on guinea-pigs.

**2,4,7,9-tetramethyldec-5-yne-4,7-diol**

evaluation May cause sensitization by skin contact.

### Mutagenicity

Method Calculation method (Regulation (EC) No. 1272/2008)  
 Remarks Based on available data, the classification criteria are not met.

### Reproductive toxicity

Method Calculation method (Regulation (EC) No. 1272/2008)  
 Remarks Based on available data, the classification criteria are not met.

### Carcinogenicity

Method Calculation method (Regulation (EC) No. 1272/2008)  
 Remarks Based on available data, the classification criteria are not met.

### Specific Target Organ Toxicity (STOT)

#### Single exposure

Method Calculation method (Regulation (EC) No. 1272/2008)  
 Remarks Based on available data, the classification criteria are not met.

#### Repeated exposure

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

### Aspiration hazard

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

### Other information

No toxicological data are available.

## 12. Ecological information

### 12.1. Toxicity

#### General information

For this subsection there is no ecotoxicological data available on the product as such.

#### Fish toxicity (Components)

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

Species Oncorhynchus mykiss (rainbow trout)  
 LC50 2,18 mg/l  
 Duration of exposure 96 h

**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); reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3- one [EC no. 220-239-6] (3:1)**

Species Oncorhynchus mykiss (rainbow trout)  
 LC50 0,19 mg/l  
 Duration of exposure 96 h

#### Daphnia toxicity (Components)

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

Species Daphnia magna (Water flea)

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|----------------------|------|---|------|
| EC50                 | 2,94 |   | mg/l |
| Duration of exposure | 48   | h |      |

**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); reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3- one [EC no. 220-239-6] (3:1)**

|                      |                            |   |      |
|----------------------|----------------------------|---|------|
| Species              | Daphnia magna (Water flea) |   |      |
| EC50                 | 0,16                       |   | mg/l |
| Duration of exposure | 48                         | h |      |

**2,4,7,9-tetramethyldec-5-yne-4,7-diol**

|                      |                            |   |      |
|----------------------|----------------------------|---|------|
| Species              | Daphnia magna (Water flea) |   |      |
| EC50                 | 91                         |   | mg/l |
| Duration of exposure | 48                         | h |      |

**Algae toxicity (Components)**

**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); reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3- one [EC no. 220-239-6] (3:1)**

|                      |   |   |      |
|----------------------|---|---|------|
| Species              | Scenedesmus capricornutum (fresh water algae) |   |      |
| EC50                 | 0,018   |   | mg/l |
| Duration of exposure | 72  | h |      |

**Bacteria toxicity (Components)**

**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); reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3- one [EC no. 220-239-6] (3:1)**

|         |                  |  |      |
|---------|------------------|--|------|
| Species | activated sludge |  |      |
| EC50    | 4,5              |  | mg/l |

**12.2. Persistence and degradability****General information**

For this subsection there is no ecotoxicological data available on the product as such.

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

|            |                        |
|------------|------------------------|
| evaluation | Readily biodegradable. |
|------------|------------------------|

**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); reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3- one [EC no. 220-239-6] (3:1)**

|            |                            |
|------------|----------------------------|
| evaluation | Not readily biodegradable. |
|------------|----------------------------|

**12.3. Bioaccumulative potential****General information**

For this subsection there is no ecotoxicological data available on the product as such.

**Partition coefficient: n-octanol/water**

|         |                |
|---------|----------------|
| Remarks | not determined |
|---------|----------------|

**12.4. Mobility in soil****General information**

For this subsection there is no ecotoxicological data available on the product as such.

**Mobility in soil**

no data available

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## 12.5. Results of PBT and vPvB assessment

### General information

For this subsection there is no ecotoxicological data available on the product as such.

## 12.6. Other adverse effects

### General information

For this subsection there is no ecotoxicological data available on the product as such.

## 13. Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations for the product

EWC waste code 080111 - waste paint and varnish containing organic solvents or other dangerous substances

EWC waste code 200127 - paint, inks, adhesives and resins containing dangerous substances

Where possible recycling is preferred to disposal or incineration.

Do not allow to enter drains or waterways.

#### modified product

EWC waste code 080115 - aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances

#### Dried residues

EWC waste code 080112 - waste lacquers and waste paint except those falling under 080111

#### Disposal recommendations for packaging

EWC waste code 150110 - packaging containing residues of or contaminated by dangerous substances

Completely emptied packagings can be given for recycling.

## 14. Transport information

|                 | Land transport ADR/RID   | Marine transport IMDG/GGVSee   | Air transport ICAO/IATA  |
|-----------------|--|--|--|
| 14.1. UN number | Not classified as dangerous in the meaning of transport regulations. | Not classified as dangerous in the meaning of sea and air transport regulations. | Not a dangerous substance as defined in the above regulations. |

## 15. Regulatory information

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

#### VOC

VOC (EU) 3,5 % 42 g/l

## 16. Other information

Hazard statements listed in Chapter 3

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|      |   |
|------|---|
| 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.                            |
| H319 | Causes serious eye irritation.                        |
| H330 | Fatal if inhaled.                                     |
| H400 | Very toxic to aquatic life.                           |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects.      |
| H412 | Harmful to aquatic life with long lasting effects.    |

**CLP categories listed in Chapter 3**

|                   |   |
|-------------------|---|
| Acute Tox. 2      | Acute toxicity, Category 2                                |
| Acute Tox. 3      | Acute toxicity, Category 3                                |
| Acute Tox. 4      | Acute toxicity, Category 4                                |
| Aquatic Acute 1   | Hazardous to the aquatic environment, acute, Category 1   |
| Aquatic Chronic 1 | Hazardous to the aquatic environment, chronic, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment, chronic, Category 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment, chronic, Category 3 |
| Eye Dam. 1        | Serious eye damage, Category 1                            |
| Eye Irrit. 2      | Eye irritation, Category 2                                |
| Skin Corr. 1B     | Skin corrosion, Category 1B                               |
| Skin Irrit. 2     | Skin irritation, Category 2                               |
| Skin Sens. 1      | Skin sensitization, Category 1                            |
| Skin Sens. 1B     | Skin sensitization, Category 1B                           |

**Abbreviations**

ADR - Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID - Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG - International Maritime Code for Dangerous Goods

IATA - International Air Transport Association

IATA-DGR - Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO-TI - Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS - Globally Harmonized System of Classification and Labelling of Chemicals

EINECS - European Inventory of Existing Commercial Chemical Substances

CAS - Chemical Abstracts Service (division of the American Chemical Society)

GefStoffV - Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

LOAEL - Lowest Observed Adverse Effect Level

LOEL - Lowest Observed Effect Level

NOAEL - No Observed Adverse Effect Level

NOEC - No Observed Effect Concentration

NOEL - No Observed Effect Level

OECD - Organisation for Economic Cooperation and Development

VOC - Volatile Organic Compounds

Changes since the last version are highlighted in the margin (\*\*\*). This version replaces all previous versions.

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information

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and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

The information contained herein is based on the present state of our knowledge and does therefore not guarantee certain properties.