according to Regulation (EC) No. 1907/2006



# SPEKTRA Facade Acryl

| Version | Revision Date: | SDS Number:           | Date of last issue: -           |
|---------|----------------|-----------------------|---------------------------------|
| 1.0     | 17.05.2023     | MAT0GA00_121<br>BE/EN | Date of first issue: 17.05.2023 |

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

### **1.1 Product identifier**

| Trade name                         | : SPEKTRA Facade Acryl |
|------------------------------------|------------------------|
| Product code                       | : 41298353             |
| Unique Formula Identifier<br>(UFI) | : EKHW-A0VS-Q007-5YQX  |

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

| Use of the Sub-<br>stance/Mixture | <ul> <li>SU19Building and construction work</li> <li>, PROC10, PROC11 Professional and consumer use of coat-</li> </ul> |
|-----------------------------------|---|
|                                   | ings, Roller application or brushing, Non industrial spraying PC9a Coatings and paints, thinners, paint removers        |

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

| Company                    | : Helios TBLUS d.o.o.<br>Količevo 65<br>1230 Domžale<br>Slovenia |
|----------------------------|--|
| Telephone Company          | : 386 (1) 722 4383   |
| Telefax Company            | : 386 (1) 722 4310   |
| Responsible/issuing person | : 386 (1) 722 4383<br>productsafety@helios.si                    |

### 1.4 Emergency telephone number

BELGISCH ANTIGIFCENTRUM 070 245 245

# **SECTION 2: Hazards identification**

### 2.1 Classification of the substance or mixture

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

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.

# 2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

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|--------------------------|------------------------------|---|--|---|
| Hazard pictograms        |                              | : | <u>(!)</u>   |   |
| Signa                    | I word                       | : | Warning  |   |
| Hazard statements        |                              | : | H317 May cause a   | an allergic skin reaction.                                    |
| Precautionary statements |                              | : | label at hand.   | lvice is needed, have product container or reach of children. |
|                          |                              |   | Prevention:<br>P261 Avoid breath<br>P280 Wear protect    | ing mist or vapours.<br>tive gloves.                          |
|                          |                              |   | Response:<br>P302 + P352 IF O                            | N SKIN: Wash with plenty of water.                            |
|                          |                              |   | <b>Disposal:</b><br>P501 Dispose of c<br>disposal plant. | contents/ container to an approved waste                      |

### Hazardous components which must be listed on the label:

1,2-benzisothiazol-3(2H)-one 2-methylisothiazol-3(2H)-one reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3- one (3:1)

# **Additional Labelling**

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

### 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.

Ecological information: 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.

Toxicological information: 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.

# **SECTION 3: Composition/information on ingredients**

3.2 Mixtures

Chemical nature

Waterborne paint

according to Regulation (EC) No. 1907/2006



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|------------|------------|--|
|            |            |  |
|            | 5.2023 MAT |  |

# Components

|   |  | Oleasificati   | O an a set to a the      |
|---|--|--|--------------------------|
| 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 | Acute Tox. 4; H302<br>Skin Irrit. 2; H315<br>Eye Dam. 1; H318<br>Skin Sens. 1; H317<br>Aquatic Acute 1;<br>H400<br>Aquatic Chronic 2;<br>H411<br>  | >= 0,0025 - <<br>0,025   |
| 2-methylisothiazol-3(2H)-one  | 2682-20-4<br>220-239-6<br>613-326-00-9<br>01-2120764690-50 | Acute Tox. 3; H301<br>Acute Tox. 2; H330<br>Acute Tox. 3; H311<br>Skin Corr. 1B; H314<br>Eye Dam. 1; H318<br>Skin Sens. 1A; H317<br>Aquatic Acute 1;<br>H400<br>Aquatic Chronic 1;<br>H410<br>EUH071<br>M-Factor (Acute<br>aquatic toxicity): 10<br>M-Factor (Chronic<br>aquatic toxicity): 1<br>specific concentration<br>limit<br>Skin Sens. 1A; H317<br>>= 0,0015 % | >= 0,0025 - <<br>0,025   |
| reaction mass of: 5-chloro-2- me-<br>thyl-4-isothiazolin-3-one and 2-<br>methyl-2H -isothiazol-3- one (3:1) | 55965-84-9<br>613-167-00-5<br>01-2120764691-48             | Acute Tox. 3; H301<br>Acute Tox. 2; H330<br>Acute Tox. 2; H310<br>Skin Corr. 1C; H314<br>Eye Dam. 1; H318<br>Skin Sens. 1A; H317<br>Aquatic Acute 1;<br>H400<br>Aquatic Chronic 1;   | >= 0,0002 - <<br>0,0015  |

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| sion  | Revision Date:<br>17.05.2023 | SDS Number:<br>MAT0GA00_121<br>BE/EN    | Date of last issue: -<br>Date of first issue: 17.05.2023<br>H410   |  |
|-------|------------------------------|---|--|--|
|       |                              |   | H410<br>EUH071   |  |
|       |                              |   | M-Factor (Acute<br>aquatic toxicity): 100<br>M-Factor (Chronic<br>aquatic toxicity): 100   |  |
|       |                              |   | specific concentration<br>limit<br>Skin Corr. 1C; H314<br>>= $0,6 \%$<br>Skin Irrit. 2; H315<br>0,06 - < 0,6 %<br>Eye Irrit. 2; H319<br>0,06 - < 0,6 %<br>Skin Sens. 1A; H317<br>>= $0,0015 \%$<br>Eye Dam. 1; H318<br>>= $0,6 \%$ |  |
| Subst | ances with a workp           | lace exposure limit :                   |  |  |
| Talc  |                              | 14807-96-6<br>238-877-9<br>01-212014027 | /8-58  |  |

# **SECTION 4: First aid measures**

# 4.1 Description of first aid measures

| General advice          | Do not leave the victim unattended.  |             |
|-------------------------|--|-------------|
| If inhaled              | If unconscious, place in recovery position and seek<br>advice.<br>If symptoms persist, call a physician.   | medical     |
| In case of skin contact | In case of contact, immediately flush skin with plenty Remove contaminated clothing and shoes.   | / of water. |
| In case of eye contact  | Remove contact lenses.<br>Protect unharmed eye.<br>If eye irritation persists, consult a specialist.   |             |
| If swallowed            | Keep respiratory tract clear.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious pe<br>If symptoms persist, call a physician. | rson.       |

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

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|----------------|--|---------|---------------------------|--|--|--|
| Risk           | S  | :       | May cause an              | allergic skin reaction.                                  |  |  |
|                | <b>4.3 Indication of any immediate medical attention and special treatment needed</b> Treatment       : Treat symptomatically.   |         |                           |  |  |  |
| SECTIO         | N 5: Firefighting m  | neasui  | es                        |  |  |  |
|                | <b>guishing media</b><br>uitable extinguishing<br>ia   | :       | High volume v             | water jet  |  |  |
| -              | 5.2 Special hazards arising from the substance or mixture<br>Hazardous combustion prod- : No hazardous combustion products are known<br>ucts                                   |         |                           |  |  |  |
| 5.3 Advid      | ce for firefighters  |         |                           |  |  |  |
|                | cial protective equipm<br>refighters   | ent :   | Wear self-con<br>essary.  | tained breathing apparatus for firefighting if nec-      |  |  |
| Furtl          | Further information : Standard procedure for chemical fires.<br>Use extinguishing measures that are appropriate to local cir-<br>cumstances and the surrounding environment.   |         |                           |  |  |  |
| SECTIO         | N 6: Accidental re   | lease   | measures                  |  |  |  |
| 6.1 Perso      | onal precautions, pr   | otectiv | e equipment a             | nd emergency procedures                                  |  |  |
|                | Personal precautions : Avoid contact with skin and eyes.<br>Do not flush into surface water or sanitary sewer system.<br>Prevent further leakage or spillage if safe to do so. |         |                           |  |  |  |
| 6.2 Envir      | onmental precaution  | ns      |                           |  |  |  |
| Envi           | Environmental precautions : If the product contaminates rivers and lakes or drains inform respective authorities.  |         |                           |  |  |  |

# 6.3 Methods and material for containment and cleaning up

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

# 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

# **SECTION 7: Handling and storage**

### 7.1 Precautions for safe handling

according to Regulation (EC) No. 1907/2006



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|---|---|------------------------------------|--|--|--|
|   | Advice  | on safe handling                   | :  | For personal protect<br>Smoking, eating and<br>plication area. | ion see section 8.<br>I drinking should be prohibited in the ap- |
|   |   | on protection again<br>d explosion | ist :  | Normal measures fo   | r preventive fire protection.                                    |
|   | Hygien  | e measures                         | :  | General industrial hy  | giene practice.  |
| 7.2 (   | Conditi                                       | ons for safe stora                 | ge, inc                                      | luding any incompat  | ibilities  |
| Requirements for storage areas and containers |   | :                                  | Electrical installatior the technological sa | ns / working materials must comply with fety standards.        |  |
|   | Advice on common storage                      |                                    | e :  | No materials to be e   | specially mentioned.   |
|   | Further information on stor-<br>age stability |                                    | - :  | No decomposition if  | stored and applied as directed.                                  |
| 7.3 \$  | 7.3 Specific end use(s)                       |                                    |  |  |  |
|   | Specifi                                       | c use(s)                           | :  | For further information sheet.                                 | on, refer to the product technical data                          |
|   |   |                                    |  | Consult the technica stance/mixture.                           | I guidelines for the use of this sub-                            |

# **SECTION 8: Exposure controls/personal protection**

# 8.1 Control parameters

### **Occupational Exposure Limits**

| Components           | CAS-No.        | Value type (Form    | Control parameters | Basis      |
|----------------------|----------------|---------------------|--------------------|------------|
|                      |                | of exposure)        |                    |            |
| titanium dioxide     | 13463-67-7     | TLV 8 hr            | 10 mg/m3           | BE OEL     |
| Talc                 | 14807-96-6     | TLV 8 hr (Res-      | 2 mg/m3            | BE OEL     |
|                      |                | pirable dust)       | -                  |            |
|                      |                | TWA (Respirable     | 0,1 mg/m3          | 2004/37/EC |
|                      |                | dust)               | _                  |            |
|                      | Further inform | nation: Carcinogens | or mutagens        |            |
| silicic acid, alumi- | 1344-00-9      | TLV 8 hr (respir-   | 1 mg/m3            | BE OEL     |
| num sodium salt      |                | able fraction)      | (Aluminium)        |            |

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

| Substance name    | End Use   | Exposure routes | Potential health ef-<br>fects | Value               |
|-------------------|-----------|-----------------|-------------------------------|---------------------|
| Calcium carbonate | Workers   | Inhalation      | Long-term local ef-<br>fects  | 4,26 mg/m3          |
|                   | Consumers | Inhalation      | Long-term local ef-<br>fects  | 1,06 mg/m3          |
| titanium dioxide  | Workers   | Inhalation      | Long-term local ef-<br>fects  | 10 mg/m3            |
|                   | Consumers | Oral            | Long-term systemic<br>effects | 700 mg/kg<br>bw/day |

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|----------------------------|---|--------------------------------|------------|--|-----------------------|
| Talc                       |   | Workers                        | Inhalation | Acute systemic ef-<br>fects                            | 2,16 mg/m3            |
|                            |   | Workers                        | Inhalation | Acute local effects                                    | 3,6 mg/m3             |
|                            |   | Consumers                      | Inhalation | Acute systemic ef-<br>fects                            | 1,08 mg/m3            |
|                            |   | Consumers                      | Inhalation | Acute local effects                                    | 1,8 mg/m3             |
|                            |   | Consumers                      | Dermal     | Long-term local ef-<br>fects                           | 2,27 mg/cm2           |
|                            |   | Workers                        | Dermal     | Long-term local ef-<br>fects                           | 4,54 mg/cm2           |
|                            |   | Consumers                      | Oral       | Long-term systemic effects                             | 160 mg/kg<br>bw/day   |
|                            |   | Consumers                      | Oral       | Acute systemic ef-<br>fects                            | 160 mg/kg<br>bw/day   |
|                            |   | Workers                        | Dermal     | Long-term systemic<br>effects                          | 43,2 mg/kg<br>bw/day  |
|                            |   | Consumers                      | Dermal     | Long-term systemic<br>effects                          | 21,6 mg/kg<br>bw/day  |
| silicic<br>sodiur          | acid, aluminum<br>n salt  | Workers                        | Inhalation | Long-term local ef-<br>fects                           | 4 mg/m3               |
| 1,2-be<br>3(2H)-           | enzisothiazol-<br>-one  | Workers                        | Inhalation | Long-term systemic effects                             | 6,81 mg/m3            |
|                            |   | Workers                        | Dermal     | Long-term systemic effects                             | 0,966 mg/kg<br>bw/day |
|                            |   | Consumers                      | Inhalation | Long-term systemic<br>effects                          | 1,2 mg/m3             |
|                            |   | Consumers                      | Dermal     | Long-term systemic<br>effects                          | 0,345 mg/kg<br>bw/day |
| chloro<br>isothia<br>2-met | on mass of: 5-<br>o-2- methyl-4-<br>azolin-3-one and<br>hyl-2H -<br>azol-3- one (3:1) | Consumers                      | Inhalation | Acute local effects                                    | 0,04 mg/m3            |
|                            | <u> </u>  | Workers                        | Inhalation | Long-term local ef-<br>fects                           | 0,02 mg/m3            |
|                            |   | Workers                        | Inhalation | Acute local effects                                    | 0,04 mg/m3            |
|                            |   | Consumers                      | Inhalation | Long-term local ef-<br>fects                           | 0,02 mg/m3            |
|                            |   | Consumers                      | Oral       | Long-term systemic effects                             | 0,09 mg/kg<br>bw/day  |
|                            |   | Consumers                      | Oral       | Acute systemic ef-<br>fects                            | 0,11 mg/kg<br>bw/day  |

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

| Substance name    | Environmental Compartment | Value         |
|-------------------|---------------------------|---------------|
| Calcium carbonate | Sewage treatment plant    | 100 mg/l      |
| titanium dioxide  | Soil                      | 100 mg/kg dry |
|                   |                           | weight (d.w.) |
|                   | Marine water              | 0,0184 mg/l   |
|                   | Fresh water               | 0,184 mg/l    |
|                   | Marine sediment           | 100 mg/kg dry |
|                   |                           | weight (d.w.) |

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|--|------------------------------|--------------------------------------|---------------------------------------|----------------------------------|
|  |                              | Fresh water s                        | ediment                               | 1000 mg/kg dry<br>weight (d.w.)  |
|  |                              | Sewage treat                         | ment plant                            | 100 mg/l                         |
|  |                              | Intermittent us                      |                                       | 0,193 mg/l                       |
| Talc   |                              | Marine water                         |                                       | 141,26 mg/l                      |
|  |                              | Fresh water                          |                                       | 597,97 mg/l                      |
|  |                              | Marine sedim                         | ent                                   | 3,13 mg/kg dry<br>weight (d.w.)  |
|  |                              | Fresh water s                        | ediment                               | 31,33 mg/kg dr<br>weight (d.w.)  |
|  |                              | Intermittent us                      | se/release                            | 597,97 mg/l                      |
| 1,2-benzisothiazol-3(2H)-one   | one Fresh water              |                                      | 0,00403 mg/l                          |                                  |
|  |                              | Intermittent us                      | se/release                            | 0,0011 mg/l                      |
|  |                              | Marine water                         |                                       | 0,000403 mg/l                    |
|  |                              | Sewage treat                         | ment plant                            | 1,03 mg/l                        |
|  |                              | Fresh water s                        |                                       | 0,0499 mg/kg o<br>weight (d.w.)  |
|  |                              | Marine sedim                         | ent                                   | 0,00499 mg/kg<br>dry weight (d.w |
|  |                              | Soil                                 |                                       | 3 mg/kg dry<br>weight (d.w.)     |
| reaction mass of: 5-chloro-2-<br>methyl-4-isothiazolin-3-one a<br>2-methyl-2H -isothiazol-3- on<br>(3:1) |                              | ne and                               |                                       | 0,01 mg/kg dry<br>weight (d.w.)  |
|  |                              | Marine water                         |                                       | 0,00339 mg/l                     |
|  |                              | Fresh water                          |                                       | 0,00339 mg/l                     |
|  |                              | Marine sedim                         | ent                                   | 0,027 mg/kg dr<br>weight (d.w.)  |
|  |                              | Fresh water s                        | ediment                               | 0,027 mg/kg dr<br>weight (d.w.)  |
|  |                              | Sewage treat                         | ment plant                            | 0,23 mg/l                        |
|  |                              | Intermittent us                      |                                       | 0,00339 mg/l                     |

# 8.2 Exposure controls

# Personal protective equipment

| Eye/face protection<br>Hand protection             | : Equipment should conform to EN 166   |
|--|--|
| Gloves   | : Nitrile rubber (> 0,1 mm; < 60 min); DIN EN374  <br>butyl-rubber (> 0,6 mm; < 240 min); DIN EN374  <br>Viton® (> 0,6 mm; < 240 min); DIN EN374  <br>PE laminate (> 0,1 mm; < 240 min); DIN EN374   |
| Remarks  | : Please observe the instructions regarding permeability and<br>breakthrough time which are provided by the supplier of the<br>gloves. Also take into consideration the specific local condi-<br>tions under which the product is used, such as the danger of<br>cuts, abrasion, and the contact time. |
| Skin and body protection<br>Respiratory protection | <ul> <li>Protective suit</li> <li>No personal respiratory protective equipment normally required.</li> </ul>   |

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# **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

| Physical state<br>Colour<br>Odour<br>Odour Threshold                | - | liquid<br>in accordance with the product description<br>No information available.<br>No data available |
|---|---|--|
| Flammability  | : | Not applicable   |
| Flash point   | : | Not applicable   |
| рН  | : | 8 - 9,5<br>Concentration: 10 %   |
| Viscosity<br>Viscosity, kinematic                                   | : | > 20,5 mm2/s (40 °C)   |
| Solubility(ies)<br>Water solubility<br>Solubility in other solvents |   | completely miscible<br>No data available   |
| Partition coefficient: n-<br>octanol/water<br>Density               | : | No data available<br>1,38 - 1,49 g/cm3   |

### 9.2 Other information

No data available

# **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

| 10.3 Possibility of hazardous reactions |   |   |  |  |
|---|---|---|--|--|
| Hazardous reactions                     | : | Stable under recommended storage conditions.<br>No hazards to be specially mentioned. |  |  |
| 10.4 Conditions to avoid                |   |   |  |  |
| Conditions to avoid                     | : | No data available   |  |  |
| 10.5 Incompatible materials             |   |   |  |  |
|   |   |   |  |  |
| Materials to avoid                      | : | Incompatible with strong acids and bases.   |  |  |

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### **10.6 Hazardous decomposition products**

No decomposition if stored and applied as directed.

# **SECTION 11: Toxicological information**

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

### Acute toxicity

Not classified based on available information.

### Components:

| <b>1,2-benzisothiazol-3(2H)-one:</b><br>Acute oral toxicity :                             | Assessment: The component/mixture is moderately toxic after single ingestion.                                |
|---|--|
| <b>2-methylisothiazol-3(2H)-one:</b><br>Acute oral toxicity :                             | Assessment: The component/mixture is toxic after single in-<br>gestion.                                      |
| Acute inhalation toxicity :   | Test atmosphere: vapour<br>Assessment: The component/mixture is highly toxic after short<br>term inhalation. |
| Acute dermal toxicity :   | Assessment: The component/mixture is toxic after single con-<br>tact with skin.                              |
| Skin corrosion/irritation<br>Not classified based on available<br><u>Components:</u>      | e information.   |
| <b>1,2-benzisothiazol-3(2H)-one:</b><br>Result :  | irritating   |
| <b>2-methylisothiazol-3(2H)-one:</b><br>Result :  | Corrosive after 3 minutes to 1 hour of exposure  |
| Serious eye damage/eye irritat<br>Not classified based on available<br><u>Components:</u> |  |
| <b>1,2-benzisothiazol-3(2H)-one:</b><br>Result :  | Corrosive  |
| Respiratory or skin sensitisation   | on   |
| Skin sensitisation<br>May cause an allergic skin reacti                                   | on.  |

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|--------------|--|--|----------|--|---|--|
|              | <b>Respiratory sensitisation</b><br>Not classified based on available information. |  |          |  |   |  |
| <u>(</u>     | Components:  |  |          |  |   |  |
|              | 1,2-benzisothiazol-3(2H)-one:  |  |          |  |   |  |
| I            | Result   |  | :        | Probability or evider                      | nce of skin sensitisation in humans   |  |
| :            | 2-meth   | ylisothiazol-3(2H)   | )-one:   |  |   |  |
| I            | Result   |  | :        | Probability or evider                      | nce of skin sensitisation in humans   |  |
| I            | Not cla  | cell mutagenicity<br>ssified based on av                         | vailable | information.                               |   |  |
|              |  | ogenicity<br>ssified based on av                                 | vailable | information.                               |   |  |
|              | -  | ductive toxicity<br>ssified based on av                          | vailable | information.                               |   |  |
|              | <b>STOT - single exposure</b><br>Not classified based on available information.    |  |          |  |   |  |
|              |  | <ul> <li>repeated exposu</li> <li>ssified based on av</li> </ul> |          | information.                               |   |  |
|              | -  | tion toxicity<br>ssified based on av                             | vailable | information.                               |   |  |
| 11.2         | Inform   | ation on other ha  | zards    |  |   |  |
| I            | Endoc  | rine disrupting pr   | opertie  | S  |   |  |
| _            | <u>Produe</u><br>Assess  |  | :        | ered to have endocr<br>REACH Article 57(f) | ure does not contain components consid-<br>rine disrupting properties according to<br>) or Commission Delegated regulation<br>Commission Regulation (EU) 2018/605 at<br>gher. |  |
| I            | Furthe   | r information  |          |  |   |  |
|              | <u>Produ</u><br>Remar  |  | :        | No data available                          |   |  |

according to Regulation (EC) No. 1907/2006



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|                |                              |                                      |  |

# **SECTION 12: Ecological information**

# 12.1 Toxicity

octanol/water

| 1,2-benzisothiazol-3(2H)-one:               |   |  |
|---|---|--|
|   | • |  |
| Ecotoxicology Assessment                    |   | <b>—</b> • • • • • • • • • • • • • • •   |
| Chronic aquatic toxicity                    | : | Toxic to aquatic life with long lasting effects.                               |
| 2-methylisothiazol-3(2H)-one:               | : |  |
| M-Factor (Acute aquatic tox-<br>icity)      | : | 10   |
| M-Factor (Chronic aquatic toxicity)         | : | 1  |
| Ecotoxicology Assessment                    |   |  |
| Acute aquatic toxicity                      | : | Very toxic to aquatic life.  |
| reaction mass of: 5-chloro-2-<br>one (3:1): | m | ethyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-                      |
| Toxicity to fish                            | : | LC50 (Salvelinus namaycush (lake trout)): >= 10,85 mg/l<br>Exposure time: 96 h |
| Toxicity to algae/aquatic plants            | : | LC50 (algae): >= 0,82 mg/l<br>Exposure time: 48 h                              |
|   |   | LC50 (algae): 0,018 mg/l<br>Exposure time: 72 h                                |
| M-Factor (Acute aquatic tox-<br>icity)      | : | 100  |
| M-Factor (Chronic aquatic toxicity)         | : | 100  |
| 2.2 Persistence and degradability           | y |  |
| Components:                                 |   |  |
| 2-methylisothiazol-3(2H)-one:               | : |  |
| Biodegradability                            | : | Result: Biodegradable  |
| 2.3 Bioaccumulative potential               |   |  |
| Components:                                 |   |  |
| 1,2-benzisothiazol-3(2H)-one:               | : |  |
| Partition coefficient: n-                   | : | log Pow: 1,3   |

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# 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.

# 12.6 Endocrine disrupting properties

|--|

Assessment

: 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.

# 12.7 Other adverse effects

Product:

| Additional ecological infor- | : | No data available |
|------------------------------|---|-------------------|
| mation                       |   |                   |

# **SECTION 13: Disposal considerations**

### 13.1 Waste treatment methods

| Product                | : | Do not release the product to the aquatic environment   |
|------------------------|---|---|
| Contaminated packaging | : | Empty containers should be taken to an approved waste han-<br>dling site for recycling or disposal.   |
| Waste Code             | : | 08 00 00, WASTES FROM THE MANUFACTURE,<br>FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS<br>(PAINTS, VARNISHES AND VITREOUS ENAMELS),<br>ADHESIVES, SEALANTS AND PRINTING INKS<br>08 01 00, wastes from MFSU and removal of paint and var-<br>nish<br>08 01 11, waste paint and varnish containing organic solvents<br>or other hazardoussubstances<br>15 00 00, WASTE PACKAGING; ABSORBENTS, WIPING<br>CLOTHS, FILTER MATERIALS AND PROTECTIVE<br>CLOTHING NOT OTHERWISE SPECIFIED<br>15 01 00, packaging (including separately collected municipal<br>packaging waste)<br>15 01 10, packaging containing residues of or contaminated<br>by hazardoussubstances<br>HP13, Sensitising |
|                        |   | · • • • • • • • • • • • • • • • • • • •   |

according to Regulation (EC) No. 1907/2006



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# **SECTION 14: Transport information**

### 14.1 UN number or ID number

| ADN                             | : | Not regulated as a dangerous good |
|---------------------------------|---|-----------------------------------|
| ADR                             | : | Not regulated as a dangerous good |
| RID                             | : | Not regulated as a dangerous good |
| IMDG                            | : | Not regulated as a dangerous good |
| ΙΑΤΑ                            | : | Not regulated as a dangerous good |
| 14.2 UN proper shipping name    |   |                                   |
| ADN                             | : | Not regulated as a dangerous good |
| ADR                             | : | Not regulated as a dangerous good |
| RID                             | : | Not regulated as a dangerous good |
| IMDG                            | : | Not regulated as a dangerous good |
| ΙΑΤΑ                            | : | Not regulated as a dangerous good |
| 14.3 Transport hazard class(es) |   |                                   |
| ADN                             | : | Not regulated as a dangerous good |
| ADR                             | : | Not regulated as a dangerous good |
| RID                             | : | Not regulated as a dangerous good |
| IMDG                            | : | Not regulated as a dangerous good |
| ΙΑΤΑ                            | : | Not regulated as a dangerous good |
| 14.4 Packing group              |   |                                   |
| ADN                             | : | Not regulated as a dangerous good |
| ADR                             | : | Not regulated as a dangerous good |
| RID                             | : | Not regulated as a dangerous good |
| IMDG                            | : | Not regulated as a dangerous good |
| IATA (Cargo)                    | : | Not regulated as a dangerous good |
| IATA (Passenger)                | : | Not regulated as a dangerous good |
| 44 E Environmentel herorde      |   |                                   |

### 14.5 Environmental hazards

Not regulated as a dangerous good

# 14.6 Special precautions for user

Not applicable

# **14.7 Maritime transport in bulk according to IMO instruments** Not applicable for product as supplied.

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according to Regulation (EC) No. 1907/2006



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# **SECTION 15: Regulatory information**

# 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) Conditions of restriction for the following entries should be considered: Number on list 75, 3 If you intend to use this product as tattoo ink, please contact your ven-

dor.

| REACH - Candidate List of Substances of Very High<br>Concern for Authorisation (Article 59).<br>Regulation (EC) No 1005/2009 on substances that de-                | : Not applicable<br>: Not applicable |
|--|--------------------------------------|
| plete the ozone layer<br>Regulation (EU) 2019/1021 on persistent organic pollu-<br>tants (recast)  | : Not applicable                     |
| Regulation (EC) No 649/2012 of the European Parlia-<br>ment and the Council concerning the export and import<br>of dangerous chemicals                             | : Not applicable                     |
| REACH - List of substances subject to authorisation (Annex XIV)  | : Not applicable                     |
| Seveso III: Directive 2012/18/EU of the Euro-<br>pean Parliament and of the Council on the<br>control of major-accident hazards involving<br>dangerous substances. | Not applicable                       |

Volatile organic compounds : Directive 2004/42/EC Volatile organic compounds (VOC) content: 17 g/l

### Other regulations:

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

### **SECTION 16: Other information**

| F | ull | text | of         | H-Statements |
|---|-----|------|------------|--------------|
|   | un. | LOVI | <b>v</b> . |              |

| 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.               |

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|--|------------------------------|--|---|---|--|
| H330<br>H400<br>H410<br>H411<br>EUH07                        | '1                           |  |   | life with long lasting effects.<br>vith long lasting effects. |  |
| Full text of other abbreviati<br>Acute Tox.<br>Aquatic Acute |                              | iations<br>:   | Acute toxicity<br>Short-term (acute) aquatic hazard   |   |  |
| Aquatio<br>Eye Da<br>Skin Co<br>Skin Irr                     | orr.                         | :  | <ul> <li>Long-term (chronic) aquatic hazard</li> <li>Serious eye damage</li> <li>Skin corrosion</li> <li>Skin irritation</li> </ul> |   |  |
| Skin Se<br>2004/3  |                              | <ul> <li>Skin sensitisation</li> <li>Europe. Directive 2004/37/EC on the protection of w<br/>from the risks related to exposure to carcinogens or<br/>at work</li> </ul> |   | •   |  |
|  |                              |  |   | limit   |  |

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; TECI -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

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| Further information |                              |                                      |  |

# Classification of the mixture:

### **Classification procedure:**

Skin Sens. 1 H317

Calculation method

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