

**Vivido 5in1-Buntlack Glänzend**

Version number: 5.0

Revision: 25.02.2026  
Date of issue: 25.02.2026:**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name **Vivido 5in1-Buntlack Glänzend** **4134a:**  
**Different colours**

Product number 4134006005 ff

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

Relevant identified uses Coating material for commercial or consumer end-uses.

Uses advised against Any use not listed above.

**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

ADLER-Werk Lackfabrik Johann Berghofer GmbH & Co KG  
Bergwerkstraße 22  
A-6130 Schwaz  
Austria

Telephone: +4352426922713  
e-mail: [sdb-info@adler-lacke.com](mailto:sdb-info@adler-lacke.com)

Further information obtainable from: [sdb-info@adler-lacke.com](mailto:sdb-info@adler-lacke.com)

Telephone  
+43 5242 6922-713  
Mon - Thu 07:00 - 16:25  
Fri 07:00 - 12:15

**1.4 Emergency telephone number**

| Country | Name                                                         | Telephone       |
|---------|--------------------------------------------------------------|-----------------|
| Austria | Vergiftungsinformationszentrale (Poison Informations Center) | +43 1 406 43 43 |

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008 (CLP)

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

**2.2 Label elements**

Labelling according to Regulation (EC) No 1272/2008 (CLP)

- Signal word not required

- Pictograms not required

- Supplemental hazard information

EUH208 Contains Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

**2.3 Other hazards**

Keep out of reach of children and do not empty into the drains. Dispose remainders properly (collection of hazardous waste, disposal companies). Empty containers must be entered into the recycling system. The usual safety precautions must be observed during processing of the product.

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### Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant (mixture)

### 3.2 Mixtures

Description of the mixture

Water-based polymer dispersion with pigments and other additives.

| Name of substance                                                                              | Identifier                                                                                                                   | Wt%                | Classification acc. to GHS                                                                                                                                                                   |
|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2-(2-Butoxyethoxy)ethanol                                                                      | CAS No<br>112-34-5<br><br>EC No<br>203-961-6<br><br>Index No<br>603-096-00-8<br><br>REACH Reg. No<br>01-2119475104-44-xxxx   | 1 – < 3            | Eye Irrit. 2 / H319                                                                                                                                                                          |
| 1,2-benzisothiazol-3(2H)-one                                                                   | CAS No<br>2634-33-5<br><br>EC No<br>220-120-9<br><br>Index No<br>613-088-00-6<br><br>REACH Reg. No<br>01-2120761540-60-xxxx  | 0,0015 – < 0,036   | Acute Tox. 4 / H302<br>Acute Tox. 2 / H330<br>Skin Irrit. 2 / H315<br>Eye Dam. 1 / H318<br>Skin Sens. 1A / H317<br>Aquatic Acute 1 / H400<br>Aquatic Chronic 1 / H410                        |
| Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | CAS No<br>55965-84-9<br><br>EC No<br>911-418-6<br><br>Index No<br>613-167-00-5<br><br>REACH Reg. No<br>01-2120764691-48-xxxx | 0,00015 – < 0,0015 | Acute Tox. 3 / H301<br>Acute Tox. 2 / H310<br>Acute Tox. 2 / H330<br>Skin Corr. 1C / H314<br>Eye Dam. 1 / H318<br>Skin Sens. 1A / H317<br>Aquatic Acute 1 / H400<br>Aquatic Chronic 1 / H410 |

| Name of substance                                                                              | Specific Conc. Limits                                                                                                                                                                                                   | M-Factors                                          | ATE                                                  | Exposure route                                                   |
|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|------------------------------------------------------|------------------------------------------------------------------|
| 1,2-benzisothiazol-3(2H)-one                                                                   | Skin Sens. 1A; H317: $C \geq 0,036 \%$                                                                                                                                                                                  | M-factor (acute) = 1<br>M-factor (chronic) = 1     | 450 mg/kg<br>0,21 mg/l/4h                            | oral<br>inhalation:<br>dust/mist                                 |
| Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | Skin Corr. 1C; H314: $C \geq 0,6 \%$<br>Skin Irrit. 2; H315: $0,06 \% \leq C < 0,6 \%$<br>Eye Dam. 1; H318: $C \geq 0,6 \%$<br>Eye Irrit. 2; H319: $0,06 \% \leq C < 0,6 \%$<br>Skin Sens. 1A; H317: $C \geq 0,0015 \%$ | M-factor (acute) = 100<br>M-factor (chronic) = 100 | 100 mg/kg<br>50 mg/kg<br>0,5 mg/l/4h<br>0,05 mg/l/4h | oral<br>dermal<br>inhalation: vapour<br>inhalation:<br>dust/mist |

### Remarks

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For full text of abbreviations: see SECTION 16

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General notes

Do not leave affected person unattended. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth. Take off immediately all contaminated clothing. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

##### Following inhalation

Provide fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions.

##### Following skin contact

Take off contaminated clothing. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. Do not use any solvents or thinners!

##### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

##### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Keep at rest. IF SWALLOWED: Immediately call a doctor.

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

Symptoms and effects are not known to date.

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

none

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>), BC-powder, Water spray, Alcohol resistant foam, Sand

##### Unsuitable extinguishing media

Water jet

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

Thick smoke may occur in case of a fire. Inhaling the decomposed products may cause serious damage to health. The formation of explosive dust-air-mixtures is possible. Upon contact with air, the vapours may form an explosive mixture. .

##### Hazardous combustion products

Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

#### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

### SECTION 6: Accidental release measures

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

##### For non-emergency personnel

Remove persons to safety. Provision of sufficient ventilation. Control of dust.

##### For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

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Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. Dilute with plenty of water.

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

Advice on how to contain a spill

Covering of drains, Fill contaminated material in the original container or any other suitable one and dispose it in accordance with point 13.

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

**6.4 Reference to other sections**

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

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

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feed-stuffs.

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

Managing of associated risks

- Flammability hazards

Keep away from sources of ignition - No smoking. Ground/bond container and receiving equipment.

Control of effects

Do not pierce or burn, even after use. Protect from sunlight. Store in a well-ventilated place. Protect from sunlight. . Close the open container carefully and keep it straight to prevent leakage.

Store in the original container. Storage temperature of 0 °C/32 °F and up to 50 °C/122 °F.

Protect against external exposure, such as

frost

**7.3 Specific end use(s)**

See section 16 for a general overview.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

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| Occupational exposure limit values (Workplace Exposure Limits) |                                                                                                |            |            |           |                          |            |                           |                 |                                |          |            |
|----------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------|------------|-----------|--------------------------|------------|---------------------------|-----------------|--------------------------------|----------|------------|
| Country                                                        | Name of agent                                                                                  | CAS No     | Identifier | TWA [ppm] | TWA [mg/m <sup>3</sup> ] | STEL [ppm] | STEL [mg/m <sup>3</sup> ] | Ceiling-C [ppm] | Ceiling-C [mg/m <sup>3</sup> ] | Notation | Source     |
| AT                                                             | butyl diglycol                                                                                 | 112-34-5   | MAK        | 10        | 67,5                     | 15         | 101,2                     |                 |                                |          | GKV        |
| AT                                                             | reaction mass of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | MAK        |           | 0,05                     |            |                           |                 |                                |          | GKV        |
| EU                                                             | 2-(2-butoxyethoxy)ethanol                                                                      | 112-34-5   | IOEL V     | 10        | 67,5                     | 15         | 101,2                     |                 |                                |          | 2006/15/EC |

### Notation

- Ceiling-C ceiling value is a limit value above which exposure should not occur
- STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
- TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

| Relevant DNELs of components                                                                   |            |           |                         |                                    |                   |                            |
|------------------------------------------------------------------------------------------------|------------|-----------|-------------------------|------------------------------------|-------------------|----------------------------|
| Name of substance                                                                              | CAS No     | End-point | Threshold level         | Protection goal, route of exposure | Used in           | Exposure time              |
| 2-(2-Butoxyethoxy)ethanol                                                                      | 112-34-5   | DNEL      | 67,5 mg/m <sup>3</sup>  | human, inhalatory                  | worker (industry) | chronic - systemic effects |
| 2-(2-Butoxyethoxy)ethanol                                                                      | 112-34-5   | DNEL      | 67,5 mg/m <sup>3</sup>  | human, inhalatory                  | worker (industry) | chronic - local effects    |
| 2-(2-Butoxyethoxy)ethanol                                                                      | 112-34-5   | DNEL      | 101,2 mg/m <sup>3</sup> | human, inhalatory                  | worker (industry) | acute - local effects      |
| 2-(2-Butoxyethoxy)ethanol                                                                      | 112-34-5   | DNEL      | 83 mg/kg bw/day         | human, dermal                      | worker (industry) | chronic - systemic effects |
| 1,2-benzisothiazol-3(2H)-one                                                                   | 2634-33-5  | DNEL      | 6,81 mg/m <sup>3</sup>  | human, inhalatory                  | worker (industry) | chronic - systemic effects |
| 1,2-benzisothiazol-3(2H)-one                                                                   | 2634-33-5  | DNEL      | 0,966 mg/kg bw/day      | human, dermal                      | worker (industry) | chronic - systemic effects |
| Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | DNEL      | 0,02 mg/m <sup>3</sup>  | human, inhalatory                  | worker (industry) | chronic - local effects    |
| Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | DNEL      | 0,04 mg/m <sup>3</sup>  | human, inhalatory                  | worker (industry) | acute - local effects      |

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| Relevant PNECs of components                                                                   |            |           |                 |                       |                              |                              |
|------------------------------------------------------------------------------------------------|------------|-----------|-----------------|-----------------------|------------------------------|------------------------------|
| Name of substance                                                                              | CAS No     | End-point | Threshold level | Organism              | Environmental compartment    | Exposure time                |
| 2-(2-Butoxyethoxy)ethanol                                                                      | 112-34-5   | PNEC      | 1,1 mg/l        | aquatic organisms     | freshwater                   | short-term (single instance) |
| 2-(2-Butoxyethoxy)ethanol                                                                      | 112-34-5   | PNEC      | 0,11 mg/l       | aquatic organisms     | marine water                 | short-term (single instance) |
| 2-(2-Butoxyethoxy)ethanol                                                                      | 112-34-5   | PNEC      | 200 mg/l        | aquatic organisms     | sewage treatment plant (STP) | short-term (single instance) |
| 2-(2-Butoxyethoxy)ethanol                                                                      | 112-34-5   | PNEC      | 4,4 mg/kg       | aquatic organisms     | freshwater sediment          | short-term (single instance) |
| 2-(2-Butoxyethoxy)ethanol                                                                      | 112-34-5   | PNEC      | 0,44 mg/kg      | aquatic organisms     | marine sediment              | short-term (single instance) |
| 2-(2-Butoxyethoxy)ethanol                                                                      | 112-34-5   | PNEC      | 0,32 mg/kg      | terrestrial organisms | soil                         | short-term (single instance) |
| 1,2-benzisothiazol-3(2H)-one                                                                   | 2634-33-5  | PNEC      | 4,03 µg/l       | aquatic organisms     | freshwater                   | short-term (single instance) |
| 1,2-benzisothiazol-3(2H)-one                                                                   | 2634-33-5  | PNEC      | 0,403 µg/l      | aquatic organisms     | marine water                 | short-term (single instance) |
| 1,2-benzisothiazol-3(2H)-one                                                                   | 2634-33-5  | PNEC      | 1,03 mg/l       | aquatic organisms     | sewage treatment plant (STP) | short-term (single instance) |
| 1,2-benzisothiazol-3(2H)-one                                                                   | 2634-33-5  | PNEC      | 49,9 µg/kg      | aquatic organisms     | freshwater sediment          | short-term (single instance) |
| 1,2-benzisothiazol-3(2H)-one                                                                   | 2634-33-5  | PNEC      | 4,99 µg/kg      | aquatic organisms     | marine sediment              | short-term (single instance) |
| 1,2-benzisothiazol-3(2H)-one                                                                   | 2634-33-5  | PNEC      | 3 mg/kg         | terrestrial organisms | soil                         | short-term (single instance) |
| Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | PNEC      | 3,39 µg/l       | aquatic organisms     | freshwater                   | short-term (single instance) |
| Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | PNEC      | 3,39 µg/l       | aquatic organisms     | marine water                 | short-term (single instance) |
| Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | PNEC      | 0,23 mg/l       | aquatic organisms     | sewage treatment plant (STP) | short-term (single instance) |
| Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | PNEC      | 0,027 mg/kg     | aquatic organisms     | freshwater sediment          | short-term (single instance) |
| Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | PNEC      | 0,027 mg/kg     | aquatic organisms     | marine sediment              | short-term (single instance) |

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| Relevant PNECs of components                                                                   |            |           |                 |                       |                           |                              |
|------------------------------------------------------------------------------------------------|------------|-----------|-----------------|-----------------------|---------------------------|------------------------------|
| Name of substance                                                                              | CAS No     | End-point | Threshold level | Organism              | Environmental compartment | Exposure time                |
| 2H-isothiazol-3-one (3:1)                                                                      |            |           |                 |                       |                           |                              |
| Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | PNEC      | 0,01 mg/kg      | terrestrial organisms | soil                      | short-term (single instance) |

### 8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Use safety goggle with side protection (EN 166).

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. 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. Use protective gloves made of latex or PVC as spray protection for short-term work. Latex: penetration time  $\geq$  480 min, material strength: 0.5mm / PVC: penetration time  $>$  60 min, material strength: 0.2mm.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

During spraying wear suitable respiratory equipment. Combination filtering device (EN 141). Particulate filter device (EN 143). Type: A-P2 (combined filters against particles and organic gases and vapours, colour code: Brown/White).

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                                          |                   |
|----------------------------------------------------------|-------------------|
| Physical state                                           | liquid            |
| Colour                                                   | different colours |
| Odour                                                    | characteristic    |
| Melting point/freezing point                             | not determined    |
| Boiling point or initial boiling point and boiling range | 100 °C            |
| Flammability                                             | not relevant      |
| Flash point                                              | not determined    |

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|                           |                                           |
|---------------------------|-------------------------------------------|
| Auto-ignition temperature | not applicable                            |
| pH (value)                | 8 – 8,5 (20 °C)                           |
| Kinematic viscosity       | 1.900 – 2.350 mm <sup>2</sup> /s at 20 °C |
| Dynamic viscosity         | 2.300 – 2.800 mPa s                       |

### Solubility(ies)

|                  |                            |
|------------------|----------------------------|
| Water solubility | miscible in any proportion |
|------------------|----------------------------|

### Partition coefficient

|                                                   |                                   |
|---------------------------------------------------|-----------------------------------|
| Partition coefficient n-octanol/water (log value) | this information is not available |
|---------------------------------------------------|-----------------------------------|

|                 |                 |
|-----------------|-----------------|
| Vapour pressure | 23 hPa at 20 °C |
|-----------------|-----------------|

### Density and/or relative density

|                         |                                               |
|-------------------------|-----------------------------------------------|
| Density                 | 1,106 – 1,193 g/cm <sup>3</sup> at 20 °C      |
| Relative vapour density | information on this property is not available |

|                          |                       |
|--------------------------|-----------------------|
| Particle characteristics | not relevant (liquid) |
|--------------------------|-----------------------|

### Other safety parameters

|                      |                                         |
|----------------------|-----------------------------------------|
| Explosive properties | Does not apply (see note in chapter 16) |
|----------------------|-----------------------------------------|

## 9.2 Other information

|                                                    |                                                                |
|----------------------------------------------------|----------------------------------------------------------------|
| Information with regard to physical hazard classes | hazard classes acc. to GHS (physical hazards):<br>not relevant |
|----------------------------------------------------|----------------------------------------------------------------|

### Other safety characteristics

|             |                                 |
|-------------|---------------------------------|
| Miscibility | Completely miscible with water. |
|-------------|---------------------------------|

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material is not reactive under normal ambient conditions.

### 10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

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### 10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### 10.5 Incompatible materials

Oxidisers

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## SECTION 11: Toxicological information

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

Test data are not available for the complete mixture.

#### Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### Classification according to GHS (1272/2008/EC, CLP)

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

#### Acute toxicity

Shall not be classified as acutely toxic.

| Acute toxicity estimate (ATE) of components                                                    |            |                       |              |
|------------------------------------------------------------------------------------------------|------------|-----------------------|--------------|
| Name of substance                                                                              | CAS No     | Exposure route        | ATE          |
| 1,2-benzisothiazol-3(2H)-one                                                                   | 2634-33-5  | oral                  | 450 mg/kg    |
| 1,2-benzisothiazol-3(2H)-one                                                                   | 2634-33-5  | inhalation: dust/mist | 0,21 mg/l/4h |
| Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | oral                  | 100 mg/kg    |
| Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | dermal                | 50 mg/kg     |
| Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | inhalation: vapour    | 0,5 mg/l/4h  |
| Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | inhalation: dust/mist | 0,05 mg/l/4h |

#### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

#### Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

#### Respiratory or skin sensitisation

Contains Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

#### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

#### Carcinogenicity

Shall not be classified as carcinogenic.

#### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

#### Specific target organ toxicity - single exposure

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Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

### 11.2 Information on other hazards

There is no additional information.

## SECTION 12: Ecological information

### 12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

### 12.2 Persistence and degradability

Data are not available.

### 12.3 Bioaccumulative potential

Data are not available.

### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

Data are not available.

### 12.6 Endocrine disrupting properties

Not listed.

### 12.7 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Relevant provisions relating to waste

List of wastes, Decision 2000/532/EC on the list of waste

- Product

08 01 15\* aqueous sludges containing paint or varnish containing organic solvents or other hazardous substances

- Product residues

15 01 10\* packaging containing residues of or contaminated by hazardous substances

- Packagings

15 01 02 plastic packaging  
15 01 04 metallic packaging

List of wastes (ÖNORM S 2100)

55503: Lack- und Farbschlamm.

- Restentleerte Verpackungen (ja nach angeführtem Recyclingcode gemäß der Richtlinie 94/62/EG auf der Verpackung)

35105: Eisenmetallemballagen (Recyclingcode FE40).

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57118: Kunststoffemballagen und -behälter (Recyclingcodes: PET01, PE-HD02, PE-LD04 oder PP05).

### Disposal methods:

#### Product

Waste production should be avoided or minimised if possible.

Do not empty into the drains. Avoid releasing the product into the environment. Waste, containers must be removed, disposed in a safe way.

#### Packagings

Waste production should be avoided or minimised if possible.

Packaging waste should be recycled. Burning or landfilling should only be considered if recycling is not feasible.

### Notes on disposal:

#### Product

Disposal of this product and its dissolutions and by-products must be carried out in accordance with the environmental protection requirements and waste disposal laws as well as the requirements of the local authorities at all times. Excess must be handed over, disposed to a recognised waste disposal company (disposal company/recycling company).

#### Packagings

With the aid of the information provided in this safety data sheet, the responsible authorities must be consulted regarding classification of empty containers, packaging. Empty containers should be disposed, recycled according to type. Licenced containers, packaging can be disposed free of charge via system partners, where applicable. Containers with residual contents must be disposed in accordance with local and national legal provisions.

### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

- |                                                                     |                                                                       |
|---------------------------------------------------------------------|-----------------------------------------------------------------------|
| <b>14.1 UN number or ID number</b>                                  | not subject to transport regulations                                  |
| <b>14.2 UN proper shipping name</b>                                 | not relevant                                                          |
| <b>14.3 Transport hazard class(es)</b>                              | none                                                                  |
| <b>14.4 Packing group</b>                                           | not assigned                                                          |
| <b>14.5 Environmental hazards</b>                                   | non-environmentally hazardous acc. to the dangerous goods regulations |
| <b>14.6 Special precautions for user</b>                            |                                                                       |
| There is no additional information.                                 |                                                                       |
| <b>14.7 Maritime transport in bulk according to IMO instruments</b> |                                                                       |
| The cargo is not intended to be carried in bulk.                    |                                                                       |

### Information for each of the UN Model Regulations

#### **Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) - Additional information**

Not subject to ADR, RID and ADN.

#### **International Maritime Dangerous Goods Code (IMDG) - Additional information**

Not subject to IMDG.

#### **International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information**

Not subject to ICAO-IATA.

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### SECTION 15: Regulatory information

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

##### Relevant provisions of the European Union (EU)

**List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list**  
not relevant

##### Seveso Directive

| 2012/18/EU (Seveso III) |                                       |                                                                                       |       |
|-------------------------|---------------------------------------|---------------------------------------------------------------------------------------|-------|
| No                      | Dangerous substance/hazard categories | Qualifying quantity (tonnes) for the application of lower and upper-tier requirements | Notes |
|                         | not assigned                          |                                                                                       |       |

##### Deco-Paint Directive (2004/42/EC)

|             |                   |
|-------------|-------------------|
| VOC content | 3,772 %<br>50 g/l |
|-------------|-------------------|

##### Industrial Emissions Directive (IED) (2010/75/EU)

|             |                      |
|-------------|----------------------|
| VOC content | 1,332 %<br>15,89 g/l |
|-------------|----------------------|

##### Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

none of the ingredients are listed

##### Water Framework Directive (WFD)

| List of pollutants (WFD)                                                                       |        |           |         |
|------------------------------------------------------------------------------------------------|--------|-----------|---------|
| Name of substance                                                                              | CAS No | Listed in | Remarks |
| Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) |        | a)        |         |
| Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) |        | a)        |         |

##### Legend

a) Indicative list of the main pollutants

##### Regulation on the marketing and use of explosives precursors

none of the ingredients are listed

##### Regulation on drug precursors

none of the ingredients are listed

##### Regulation on persistent organic pollutants (POP)

none of the ingredients are listed

##### Restrictions of occupation

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding / Observe national

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regulations on maternity protection.

### National regulations (Austria)

Ordinance on combustible liquids (VbF) not applicable

- VbF (group and hazard class) not applicable

### National regulations (Germany)

#### Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV)

Wassergefährdungsklasse, WGK 1 slightly hazardous to water  
(water hazard class)

#### Storage of hazardous substances in non-stationary containers (TRGS 510) (Germany)

Storage class (LGK) 10 (combustible liquids)

## 15.2 Chemical safety assessment

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

## SECTION 16: Other information

### Abbreviations and acronyms

| Abbr.           | Descriptions of used abbreviations                                                                                                                                                                                    |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2006/15/EC      | Commission Directive establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC                    |
| Acute Tox.      | Acute toxicity                                                                                                                                                                                                        |
| ADN             | Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways) |
| ADR             | Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)                                                         |
| Aquatic Acute   | Hazardous to the aquatic environment - acute hazard                                                                                                                                                                   |
| Aquatic Chronic | Hazardous to the aquatic environment - chronic hazard                                                                                                                                                                 |
| ATE             | Acute Toxicity Estimate                                                                                                                                                                                               |
| CAS             | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)                                                                                                                |
| Ceiling-C       | Ceiling value                                                                                                                                                                                                         |
| CLP             | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures                                                                                                                    |
| DGR             | Dangerous Goods Regulations (see IATA/DGR)                                                                                                                                                                            |
| DNEL            | Derived No-Effect Level                                                                                                                                                                                               |
| EC No           | The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)                                     |
| ED              | Endocrine disruptor                                                                                                                                                                                                   |
| EINECS          | European Inventory of Existing Commercial Chemical Substances                                                                                                                                                         |
| ELINCS          | European List of Notified Chemical Substances                                                                                                                                                                         |
| Eye Dam.        | Seriously damaging to the eye                                                                                                                                                                                         |
| Eye Irrit.      | Irritant to the eye                                                                                                                                                                                                   |
| GHS             | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations                                                                                                             |

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| Abbr.       | Descriptions of used abbreviations                                                                                                                                                                                                                                                       |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GKV         | Grenzwerteverordnung                                                                                                                                                                                                                                                                     |
| IATA        | International Air Transport Association                                                                                                                                                                                                                                                  |
| IATA/DGR    | Dangerous Goods Regulations (DGR) for the air transport (IATA)                                                                                                                                                                                                                           |
| ICAO        | International Civil Aviation Organization                                                                                                                                                                                                                                                |
| IMDG        | International Maritime Dangerous Goods Code                                                                                                                                                                                                                                              |
| index No    | The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008                                                                                                                                                                 |
| IOELV       | Indicative occupational exposure limit value                                                                                                                                                                                                                                             |
| LGK         | Lagerklasse (storage class according to TRGS 510, Germany)                                                                                                                                                                                                                               |
| M-factor    | Means a multiplying factor. It is applied to the concentration of a substance classified as hazardous to the aquatic environment acute category 1 or chronic category 1, and is used to derive by the summation method the classification of a mixture in which the substance is present |
| NLP         | No-Longer Polymer                                                                                                                                                                                                                                                                        |
| PBT         | Persistent, Bioaccumulative and Toxic                                                                                                                                                                                                                                                    |
| PNEC        | Predicted No-Effect Concentration                                                                                                                                                                                                                                                        |
| ppm         | Parts per million                                                                                                                                                                                                                                                                        |
| REACH       | Registration, Evaluation, Authorisation and Restriction of Chemicals                                                                                                                                                                                                                     |
| RID         | Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)                                                                                                                  |
| Skin Corr.  | Corrosive to skin                                                                                                                                                                                                                                                                        |
| Skin Irrit. | Irritant to skin                                                                                                                                                                                                                                                                         |
| Skin Sens.  | Skin sensitisation                                                                                                                                                                                                                                                                       |
| STEL        | Short-term exposure limit                                                                                                                                                                                                                                                                |
| SVHC        | Substance of Very High Concern                                                                                                                                                                                                                                                           |
| TRGS        | Technische Regeln für Gefahrstoffe (technical rules for hazardous substances, Germany)                                                                                                                                                                                                   |
| TWA         | Time-weighted average                                                                                                                                                                                                                                                                    |
| VbF         | Ordinance on combustible liquids (Austria)                                                                                                                                                                                                                                               |
| VOC         | Volatile Organic Compounds                                                                                                                                                                                                                                                               |
| vPvB        | Very Persistent and very Bioaccumulative                                                                                                                                                                                                                                                 |

### Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

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### List of relevant phrases (code and full text as stated in section 2 and 3)

| Code | Text                                                  |
|------|-------------------------------------------------------|
| 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. |

### Note concerning the lower explosion limit of water-thinnable varnishes:

See PTB research report PEx5 200500185, Physical-Technical Federal Agency Braunschweig, September 2005 and report PTB-W-57, February 1994.

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.