

**16241 - Recoat Isocoat**

— RECOAT —

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier:** 16241 - Recoat Isocoat
- Other means of identification:**  
Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Relevant uses (Professional users): Acrylic paint  
Relevant uses (Industrial user): Acrylic paint  
For Professional users/Industrial user only.  
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**  
Recoat  
Schaafdries 12  
5371 NJ Ravenstein - Netherlands  
Phone: +31 486-414166  
info@recoat.eu  
www.recoat.eu
- 1.4 Emergency telephone number:** Only for the purpose of informing medical personnel in case of acute intoxications. Dutch National Poison Information Centre: +31 (0)88 755 8000

**SECTION 2: HAZARDS IDENTIFICATION \*\***

- 2.1 Classification of the substance or mixture:**  
**CLP Regulation (EC) No 1272/2008:**  
Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.  
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
- 2.2 Label elements:**  
**CLP Regulation (EC) No 1272/2008:**  
**Hazard statements:**  
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.  
**Precautionary statements:**  
P273: Avoid release to the environment.  
P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.  
**Supplementary information:**  
EUH208: Contains 1,2-benzisothiazol-3(2H)-one, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.  
EUH211: Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
- 2.3 Other hazards:**  
Product does not meet PBT/vPvB criteria  
Endocrine-disrupting properties: The product does not meet the criteria.

\*\* Changes with regards to the previous version

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

- 3.1 Substance:**  
Not relevant
- 3.2 Mixture:**  
**Chemical description:** Acrylic copolymer in aqueous solution  
**Components:**  
In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

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#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

| Identification  | Chemical name/Classification  | Concentration              |
|---|---|----------------------------|
| CAS: 37244-96-5<br>EC: Not relevant<br>Index: Not relevant<br>REACH: Not relevant       | <b>Nepheline syenite<sup>(1)</sup></b> Not classified   | <b>2.5 - &lt;5%</b>        |
|   | Regulation 1272/2008  |                            |
| CAS: 1314-13-2<br>EC: 215-222-5<br>Index: 030-013-00-7<br>REACH: 01-2119463881-32-XXXX  | <b>zinc oxide<sup>(2)</sup></b> ATP CLP00   | <b>1 - &lt;2.5%</b>        |
|   | Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 1: H410 - Warning   |                            |
| CAS: 34590-94-8<br>EC: 252-104-2<br>Index: Not relevant<br>REACH: 01-2119450011-60-XXXX | <b>Dipropylene Glycol Methyl Ether<sup>(1)</sup></b> Not classified   | <b>0.05 - &lt;0.1%</b>     |
|   | Regulation 1272/2008  |                            |
| CAS: 2634-33-5<br>EC: 220-120-9<br>Index: 613-088-00-6<br>REACH: 01-2120761540-60-XXXX  | <b>1,2-benzisothiazol-3(2H)-one<sup>(2)</sup></b> ATP ATP21   | <b>0.0015 - &lt;0.025%</b> |
|   | Regulation 1272/2008 Acute Tox. 2: H330; Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1A: H317 - Danger              |                            |
| CAS: 55965-84-9<br>EC: 911-418-6<br>Index: Not relevant<br>REACH: 01-2120764691-48-XXXX | <b>Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)<sup>(2)</sup></b> ATP ATP13  | <b>&lt;0.0015%</b>         |
|   | Regulation 1272/2008 Acute Tox. 2: H310+H330; Acute Tox. 3: H301; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1C: H314; Skin Sens. 1A: H317; EUH071 - Danger |                            |

<sup>(1)</sup> Substance with a Union workplace exposure limit

<sup>(2)</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

#### Other information:

| Identification   | M-factor |     |
|--|----------|-----|
| Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)<br>CAS: 55965-84-9 EC: 911-418-6 | Acute    | 100 |
|  | Chronic  | 100 |

| Identification  | Specific concentration limit  |
|---|---|
| 1,2-benzisothiazol-3(2H)-one<br>CAS: 2634-33-5<br>EC: 220-120-9   | % (w/w) $\geq$ 0,036: Skin Sens. 1A - H317  |
| Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)<br>CAS: 55965-84-9<br>EC: 911-418-6 | % (w/w) $\geq$ 0,6: Skin Corr. 1C - H314<br>0,06 $\leq$ % (w/w) $<$ 0,6: Skin Irrit. 2 - H315<br>% (w/w) $\geq$ 0,6: Eye Dam. 1 - H318<br>0,06 $\leq$ % (w/w) $<$ 0,6: Eye Irrit. 2 - H319<br>% (w/w) $\geq$ 0,0015: Skin Sens. 1A - H317 |

#### SECTION 4: FIRST AID MEASURES

##### 4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

##### By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

##### By skin contact:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

##### By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

##### By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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

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**SECTION 4: FIRST AID MEASURES (continued)**

Acute and delayed effects are indicated in sections 2 and 11.

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

Not relevant

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media:****Suitable extinguishing media:**

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

**Unsuitable extinguishing media:**

Non-applicable

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

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

**5.3 Advice for firefighters:**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

**Additional provisions:**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures:****For non-emergency personnel:**

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilled product (See section 8). Evacuate the area and keep out those who do not have protection.

**For emergency responders:**

Wear protective equipment. Keep unprotected persons away. See section 8.

**6.2 Environmental precautions:**

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

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

It is recommended:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

**6.4 Reference to other sections:**

See sections 8 and 13.

**SECTION 7: HANDLING AND STORAGE**

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**SECTION 7: HANDLING AND STORAGE (continued)****7.1 Precautions for safe handling:****A.- General precautions for safe use**

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

**B.- Technical recommendations for the prevention of fires and explosions**

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

**C.- Technical recommendations on general occupational hygiene**

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

**D.- Technical recommendations to prevent environmental risks**

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

**7.2 Conditions for safe storage, including any incompatibilities:****A.- Specific storage requirements**

Minimum Temp.: 10 °C

Maximum Temp.: 30 °C

Maximum time: 12 Months

**B.- General conditions for storage**

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

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

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters:**

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC, Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

| Identification  | Occupational exposure limits |        |                       |
|---|------------------------------|--------|-----------------------|
|   | IOELV (8h)                   |        | 0,1 mg/m <sup>3</sup> |
| Nepheline syenite<br>CAS: 37244-96-5 EC: Not relevant                           | IOELV (STEL)                 |        |                       |
| Dipropylene Glycol Methyl Ether <sup>(1)</sup><br>CAS: 34590-94-8 EC: 252-104-2 | IOELV (8h)                   | 50 ppm | 308 mg/m <sup>3</sup> |
|   | IOELV (STEL)                 |        |                       |

<sup>(1)</sup> Skin

**DNEL (Workers):**

| Identification  |            | Short exposure |                        | Long exposure          |                        |
|---|------------|----------------|------------------------|------------------------|------------------------|
|   |            | Systemic       | Local                  | Systemic               | Local                  |
| zinc oxide<br>CAS: 1314-13-2<br>EC: 215-222-5   | Oral       | Not relevant   | Not relevant           | Not relevant           | Not relevant           |
|   | Dermal     | Not relevant   | Not relevant           | 83 mg/kg               | Not relevant           |
|   | Inhalation | Not relevant   | Not relevant           | 5 mg/m <sup>3</sup>    | 0,5 mg/m <sup>3</sup>  |
| Dipropylene Glycol Methyl Ether<br>CAS: 34590-94-8<br>EC: 252-104-2   | Oral       | Not relevant   | Not relevant           | Not relevant           | Not relevant           |
|   | Dermal     | Not relevant   | Not relevant           | 283 mg/kg              | Not relevant           |
|   | Inhalation | Not relevant   | Not relevant           | 308 mg/m <sup>3</sup>  | Not relevant           |
| 1,2-benzisothiazol-3(2H)-one<br>CAS: 2634-33-5<br>EC: 220-120-9   | Oral       | Not relevant   | Not relevant           | Not relevant           | Not relevant           |
|   | Dermal     | Not relevant   | Not relevant           | 0,966 mg/kg            | Not relevant           |
|   | Inhalation | Not relevant   | Not relevant           | 6,81 mg/m <sup>3</sup> | Not relevant           |
| Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)<br>CAS: 55965-84-9<br>EC: 911-418-6 | Oral       | Not relevant   | Not relevant           | Not relevant           | Not relevant           |
|   | Dermal     | Not relevant   | Not relevant           | Not relevant           | Not relevant           |
|   | Inhalation | Not relevant   | 0,04 mg/m <sup>3</sup> | Not relevant           | 0,02 mg/m <sup>3</sup> |

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#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

##### DNEL (General population):

| Identification  |            | Short exposure |                        | Long exposure          |                        |
|---|------------|----------------|------------------------|------------------------|------------------------|
|   |            | Systemic       | Local                  | Systemic               | Local                  |
| zinc oxide<br>CAS: 1314-13-2<br>EC: 215-222-5   | Oral       | Not relevant   | Not relevant           | 0,83 mg/kg             | Not relevant           |
|   | Dermal     | Not relevant   | Not relevant           | 83 mg/kg               | Not relevant           |
|   | Inhalation | Not relevant   | Not relevant           | 2,5 mg/m <sup>3</sup>  | Not relevant           |
| Dipropylene Glycol Methyl Ether<br>CAS: 34590-94-8<br>EC: 252-104-2   | Oral       | Not relevant   | Not relevant           | 36 mg/kg               | Not relevant           |
|   | Dermal     | Not relevant   | Not relevant           | 121 mg/kg              | Not relevant           |
|   | Inhalation | Not relevant   | Not relevant           | 37,2 mg/m <sup>3</sup> | Not relevant           |
| 1,2-benzisothiazol-3(2H)-one<br>CAS: 2634-33-5<br>EC: 220-120-9   | Oral       | Not relevant   | Not relevant           | Not relevant           | Not relevant           |
|   | Dermal     | Not relevant   | Not relevant           | 0,345 mg/kg            | Not relevant           |
|   | Inhalation | Not relevant   | Not relevant           | 1,2 mg/m <sup>3</sup>  | Not relevant           |
| Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)<br>CAS: 55965-84-9<br>EC: 911-418-6 | Oral       | 0,11 mg/kg     | Not relevant           | 0,09 mg/kg             | Not relevant           |
|   | Dermal     | Not relevant   | Not relevant           | Not relevant           | Not relevant           |
|   | Inhalation | Not relevant   | 0,04 mg/m <sup>3</sup> | Not relevant           | 0,02 mg/m <sup>3</sup> |

##### PNEC:

| Identification  |              |              |                         |               |
|---|--------------|--------------|-------------------------|---------------|
| zinc oxide<br>CAS: 1314-13-2<br>EC: 215-222-5   | STP          | 0,1 mg/L     | Fresh water             | 0,0206 mg/L   |
|   | Soil         | 35,6 mg/kg   | Marine water            | 0,0061 mg/L   |
|   | Intermittent | Not relevant | Sediment (Fresh water)  | 117,8 mg/kg   |
|   | Oral         | Not relevant | Sediment (Marine water) | 56,5 mg/kg    |
| Dipropylene Glycol Methyl Ether<br>CAS: 34590-94-8<br>EC: 252-104-2   | STP          | 4168 mg/L    | Fresh water             | 19 mg/L       |
|   | Soil         | 2,74 mg/kg   | Marine water            | 1,9 mg/L      |
|   | Intermittent | 190 mg/L     | Sediment (Fresh water)  | 70,2 mg/kg    |
|   | Oral         | Not relevant | Sediment (Marine water) | 7,02 mg/kg    |
| 1,2-benzisothiazol-3(2H)-one<br>CAS: 2634-33-5<br>EC: 220-120-9   | STP          | 1,03 mg/L    | Fresh water             | 0,00403 mg/L  |
|   | Soil         | 3 mg/kg      | Marine water            | 0,000403 mg/L |
|   | Intermittent | 0,0011 mg/L  | Sediment (Fresh water)  | 0,0499 mg/kg  |
|   | Oral         | Not relevant | Sediment (Marine water) | 0,00499 mg/kg |
| Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)<br>CAS: 55965-84-9<br>EC: 911-418-6 | STP          | 0,23 mg/L    | Fresh water             | 0,00339 mg/L  |
|   | Soil         | 0,01 mg/kg   | Marine water            | 0,00339 mg/L  |
|   | Intermittent | 0,00339 mg/L | Sediment (Fresh water)  | 0,027 mg/kg   |
|   | Oral         | Not relevant | Sediment (Marine water) | 0,027 mg/kg   |

#### 8.2 Exposure controls:



##### A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

##### B.- Respiratory protection

If the working conditions and/or safety measures adopted do not allow keeping the airborne concentration of the product below the exposure limits (if any) or at acceptable levels (if no exposure limits exist), suitable respiratory protection equipment chosen by a qualified professional should be used.

##### C.- Specific protection for the hands

| Pictogram  | PPE  | Labelling   | CEN Standard      | Remarks  |
|--|--|---|-------------------|--|
| <br>Mandatory hand protection | Chemical protective gloves<br>(Material: Nitrile,<br>Breakthrough time: > 480<br>min, Thickness: 0.4 mm) |  | EN ISO 21420:2020 | Replace the gloves at any sign of deterioration. |

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

##### D.- Eye and face protection

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#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)



| Pictogram  | PPE   | Labelling   | CEN Standard                    | Remarks   |
|--|---|---|---------------------------------|---|
| <br>Mandatory face protection | Panoramic glasses against splash/projections. |  | EN 166:2002<br>EN ISO 4007:2018 | Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. |

#### E.- Body protection

| Pictogram | PPE                  | Labelling   | CEN Standard      | Remarks   |
|-----------|----------------------|---|-------------------|---|
|           | Work clothing        |  |                   | Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994. |
|           | Anti-slip work shoes |  | EN ISO 20347:2022 | Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2022 y EN 13832-1:2019                                 |

#### F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

| Emergency measure  | Standards                                       | Emergency measure   | Standards                                      |
|--|---|---|--|
| <br>Emergency shower | ANSI Z358-1<br>ISO 3864-1:2011, ISO 3864-4:2011 | <br>Eyewash stations | DIN 12 899<br>ISO 3864-1:2011, ISO 3864-4:2011 |

#### Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

#### Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

|                           |                                   |
|---------------------------|-----------------------------------|
| V.O.C. (Supply):          | 0,08 % weight                     |
| V.O.C. density at 20 °C:  | 1,03 kg/m <sup>3</sup> (1,03 g/L) |
| Average carbon number:    | 7                                 |
| Average molecular weight: | 148,25 g/mol                      |

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

For complete information see the product datasheet.

##### Appearance:

|                          |                |
|--------------------------|----------------|
| Physical state at 20 °C: | Liquid         |
| Appearance:              | Not relevant * |
| Colour:                  | Not relevant * |
| Odour:                   | Not relevant * |
| Odour threshold:         | Not relevant * |

##### Volatility:

|  |                         |
|--|-------------------------|
| Boiling point at atmospheric pressure: | 102 °C                  |
| Vapour pressure at 20 °C:              | 2342 Pa                 |
| Vapour pressure at 50 °C:              | 12341,09 Pa (12,34 kPa) |
| Evaporation rate at 20 °C:             | Not relevant *          |

\*Not relevant due to the nature of the product, not providing information property of its hazards.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)****Product description:**

|  |                          |
|--|--------------------------|
| Density at 20 °C:                            | 1370,2 kg/m <sup>3</sup> |
| Relative density at 20 °C:                   | 1,37                     |
| Dynamic viscosity at 20 °C:                  | Not relevant *           |
| Kinematic viscosity at 20 °C:                | Not relevant *           |
| Kinematic viscosity at 40 °C:                | Not relevant *           |
| Concentration:                               | Not relevant *           |
| pH:  | Not relevant *           |
| Vapour density at 20 °C:                     | Not relevant *           |
| Partition coefficient n-octanol/water 20 °C: | Not relevant *           |
| Solubility in water at 20 °C:                | Not relevant *           |
| Solubility properties:                       | Not relevant *           |
| Decomposition temperature:                   | Not relevant *           |
| Melting point/freezing point:                | Not relevant *           |

**Flammability:**

|                            |                        |
|----------------------------|------------------------|
| Flash Point:               | Non Flammable (>60 °C) |
| Flammability (solid, gas): | Not relevant *         |
| Autoignition temperature:  | 270 °C                 |
| Lower flammability limit:  | Not relevant *         |
| Upper flammability limit:  | Not relevant *         |

**Particle characteristics:**

|                             |                |
|-----------------------------|----------------|
| Median equivalent diameter: | Not relevant * |
|-----------------------------|----------------|

**9.2 Other information:****Information with regard to physical hazard classes:**

|  |                |
|--|----------------|
| Explosive properties:  | Not relevant * |
| Oxidising properties:  | Not relevant * |
| Corrosive to metals:   | Not relevant * |
| Heat of combustion:  | Not relevant * |
| Aerosols-total percentage (by mass) of flammable components: | Not relevant * |

**Other safety characteristics:**

|                           |                |
|---------------------------|----------------|
| Surface tension at 20 °C: | Not relevant * |
| Refraction index:         | Not relevant * |

\*Not relevant due to the nature of the product, not providing information property of its hazards.

**SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

**10.2 Chemical stability:**

Chemically stable under the indicated conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions:**

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

**10.4 Conditions to avoid:**

Applicable for handling and storage at room temperature:

| Shock and friction | Contact with air | Increase in temperature | Sunlight       | Humidity       |
|--------------------|------------------|-------------------------|----------------|----------------|
| Not applicable     | Not applicable   | Not applicable          | Not applicable | Not applicable |

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**SECTION 10: STABILITY AND REACTIVITY (continued)****10.5 Incompatible materials:**

| Acids              | Water          | Oxidising materials | Combustible materials | Others                        |
|--------------------|----------------|---------------------|-----------------------|-------------------------------|
| Avoid strong acids | Not applicable | Avoid direct impact | Not applicable        | Avoid alkalis or strong bases |

**10.6 Hazardous decomposition products:**

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:**

The experimental information related to the toxicological properties of the product itself is not available

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health .

**Dangerous health implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

**A- Ingestion (acute effect):**

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

**B- Inhalation (acute effect):**

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

**C- Contact with the skin and the eyes (acute effect):**

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

**D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):**

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.  
IARC: Titanium dioxide (2B: Possibly carcinogenic to humans)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

**E- Sensitizing effects:**

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

**F- Specific target organ toxicity (STOT) - single exposure:**

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

**G- Specific target organ toxicity (STOT)-repeated exposure:**

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

**H- Aspiration hazard:**

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#### SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

##### Other information:

Not relevant

##### Specific toxicology information on the substances:

| Identification  | Acute toxicity         |                 | Genus  |
|---|------------------------|-----------------|--------|
| zinc oxide<br>CAS: 1314-13-2<br>EC: 215-222-5   | LD50 oral              | 7950 mg/kg      | Mouse  |
|   | LD50 dermal            |                 |        |
|   | LC50 inhalation dust   |                 |        |
| Dipropylene Glycol Methyl Ether<br>CAS: 34590-94-8<br>EC: 252-104-2   | LD50 oral              | >5000 mg/kg     | Rat    |
|   | LD50 dermal            | 9510 mg/kg      | Rabbit |
|   | LC50 inhalation vapour |                 |        |
| 1,2-benzisothiazol-3(2H)-one<br>CAS: 2634-33-5<br>EC: 220-120-9   | LD50 oral              | 450 mg/kg       |        |
|   | LD50 dermal            |                 |        |
|   | LC50 inhalation dust   | 0,21 mg/L (4 h) |        |
| Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)<br>CAS: 55965-84-9<br>EC: 911-418-6 | LD50 oral              | 64 mg/kg        | Rat    |
|   | LD50 dermal            | 87,12 mg/kg     | Rabbit |
|   | LC50 inhalation mist   | 0,33 mg/L (4 h) | Rat    |

#### 11.2 Information on other hazards:

##### Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

##### Other information

Not relevant

#### SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Harmful to aquatic life with long lasting effects.

#### 12.1 Toxicity:

##### Acute toxicity:

| Identification  | Concentration |                    | Species                         | Genus      |
|---|---------------|--------------------|---------------------------------|------------|
|   | LC50          | EC50               |                                 |            |
| zinc oxide<br>CAS: 1314-13-2<br>EC: 215-222-5   | LC50          | 0,82 mg/L (96 h)   | Oncorhynchus kisutch            | Fish       |
|   | EC50          | 3,4 mg/L (48 h)    | Daphnia magna                   | Crustacean |
|   | EC50          | Not relevant       |                                 |            |
| Dipropylene Glycol Methyl Ether<br>CAS: 34590-94-8<br>EC: 252-104-2   | LC50          | 10000 mg/L (96 h)  | Pimephales promelas             | Fish       |
|   | EC50          | 1919 mg/L (48 h)   | Daphnia magna                   | Crustacean |
|   | EC50          | Not relevant       |                                 |            |
| 1,2-benzisothiazol-3(2H)-one<br>CAS: 2634-33-5<br>EC: 220-120-9   | LC50          | 2,18 mg/L (96 h)   | Oncorhynchus mykiss             | Fish       |
|   | EC50          | 2,9 mg/L (48 h)    | Daphnia magna                   | Crustacean |
|   | EC50          | 0,11 mg/L (72 h)   | Pseudokirchneriella subcapitata | Algae      |
| Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)<br>CAS: 55965-84-9<br>EC: 911-418-6 | LC50          | 0,28 mg/L (96 h)   | Lepomis macrochirus             | Fish       |
|   | EC50          | 0,007 mg/L (48 h)  | Acartia tonsa                   | Crustacean |
|   | EC50          | 0,0199 mg/L (72 h) | Skeletonema costatum            | Algae      |

##### Chronic toxicity:

| Identification   | Concentration |              | Species             | Genus      |
|--|---------------|--------------|---------------------|------------|
|  | NOEC          | EC50         |                     |            |
| zinc oxide<br>CAS: 1314-13-2 EC: 215-222-5                       | NOEC          | 0,44 mg/L    | Oncorhynchus mykiss | Fish       |
|  | NOEC          | 0,031 mg/L   | Daphnia magna       | Crustacean |
| Dipropylene Glycol Methyl Ether<br>CAS: 34590-94-8 EC: 252-104-2 | NOEC          | Not relevant |                     |            |
|  | NOEC          | 0,5 mg/L     | Daphnia magna       | Crustacean |

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**SECTION 12: ECOLOGICAL INFORMATION (continued)**

| Identification   | Concentration |                    | Species | Genus      |
|--|---------------|--------------------|---------|------------|
| Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)<br>CAS: 55965-84-9 EC: 911-418-6 | NOEC          | >0.001 - 0.01 mg/L |         | Fish       |
|  | NOEC          | >0.001 - 0.01 mg/L |         | Crustacean |

**12.2 Persistence and degradability:**

**Substance-specific information:**

| Identification  | Degradability |              | Biodegradability |              |
|---|---------------|--------------|------------------|--------------|
|   |               |              |                  |              |
| Dipropylene Glycol Methyl Ether<br>CAS: 34590-94-8<br>EC: 252-104-2   | BOD5          | Not relevant | Concentration    | Not relevant |
|   | COD           | 0 g O2/g     | Period           | 28 days      |
|   | BOD5/COD      | Not relevant | % Biodegradable  | 73 %         |
| 1,2-benzisothiazol-3(2H)-one<br>CAS: 2634-33-5<br>EC: 220-120-9   | BOD5          | Not relevant | Concentration    | 1 mg/L       |
|   | COD           | Not relevant | Period           | 63 days      |
|   | BOD5/COD      | Not relevant | % Biodegradable  | 85 %         |
| Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)<br>CAS: 55965-84-9<br>EC: 911-418-6 | BOD5          | Not relevant | Concentration    | 0.3 mg/L     |
|   | COD           | Not relevant | Period           | 29 days      |
|   | BOD5/COD      | Not relevant | % Biodegradable  | 38,8 %       |

**12.3 Bioaccumulative potential:**

**Substance-specific information:**

| Identification  | Bioaccumulation potential |          |
|---|---------------------------|----------|
|   |                           |          |
| Dipropylene Glycol Methyl Ether<br>CAS: 34590-94-8<br>EC: 252-104-2   | BCF                       | 1        |
|   | Pow Log                   | -0.06    |
|   | Potential                 | Low      |
| 1,2-benzisothiazol-3(2H)-one<br>CAS: 2634-33-5<br>EC: 220-120-9   | BCF                       | 7        |
|   | Pow Log                   | 0.7      |
|   | Potential                 | Low      |
| Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)<br>CAS: 55965-84-9<br>EC: 911-418-6 | BCF                       | 54       |
|   | Pow Log                   | 0.75     |
|   | Potential                 | Moderate |

**12.4 Mobility in soil:**

| Identification  | Absorption/desorption |              | Volatility |                             |
|---|-----------------------|--------------|------------|-----------------------------|
|   |                       |              |            |                             |
| 1,2-benzisothiazol-3(2H)-one<br>CAS: 2634-33-5<br>EC: 220-120-9   | Koc                   | 9.33         | Henry      | Not relevant                |
|   | Conclusion            | Very High    | Dry soil   | Not relevant                |
|   | Surface tension       | Not relevant | Moist soil | Not relevant                |
| Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)<br>CAS: 55965-84-9<br>EC: 911-418-6 | Koc                   | 7.7          | Henry      | 5E-3 Pa·m <sup>3</sup> /mol |
|   | Conclusion            | Very High    | Dry soil   | Not relevant                |
|   | Surface tension       | Not relevant | Moist soil | Not relevant                |

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

Product does not meet PBT/vPvB criteria

**12.6 Endocrine disrupting properties:**

Endocrine-disrupting properties: The product does not meet the criteria.

**12.7 Other adverse effects:**

Not described

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods:**

| Code      | Description   | Waste class (Regulation (EU) No 1357/2014) |
|-----------|---|--|
| 08 01 11* | waste paint and varnish containing organic solvents or other hazardous substances | Hazardous                                  |

**Type of waste (Regulation (EU) No 1357/2014):**

HP14 Ecotoxic

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**SECTION 13: DISPOSAL CONSIDERATIONS (continued)****Waste management (disposal and evaluation):**

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

**Regulations related to waste management:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

**SECTION 14: TRANSPORT INFORMATION \*\***

This product is not regulated for transport (ADR/RID,IMDG,IATA)

\*\* Changes with regards to the previous version

**SECTION 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

- Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 1,2-benzisothiazol-3(2H)-one, Pyridine-2-thiol 1-oxide, sodium salt.
- Article 95, REGULATION (EU) No 528/2012: *1,2-benzisothiazol-3(2H)-one (2634-33-5) - PT: (2, 6, 11, 12, 13) ; Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) - PT: (2, 4, 6, 11, 12, 13) ; Pyridine-2-thiol 1-oxide, sodium salt (3811-73-2) - PT: (2, 6, 7, 9, 10, 13)*
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EU) 2019/1021 on persistent organic pollutants: Not relevant
- Regulation (EU) No 2024/590, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

**Seveso III:**

Not relevant

**Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):**

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

**Other legislation:**

The product could be affected by sectorial legislation

**15.2 Chemical safety assessment:**

The supplier has not carried out evaluation of chemical safety.

**SECTION 16: OTHER INFORMATION \*\*****Legislation related to safety data sheets:**

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

**Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:**

\*\* Changes with regards to the previous version

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**SECTION 16: OTHER INFORMATION \*\* (continued)**

CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):

- Pictograms
- Hazard statements
- Precautionary statements

TRANSPORT INFORMATION (SECTION 14):

- UN number
- Packing group

**Texts of the legislative phrases mentioned in section 2:**

H412: Harmful to aquatic life with long lasting effects.

**Texts of the legislative phrases mentioned in section 3:**

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

**CLP Regulation (EC) No 1272/2008:**

Acute Tox. 2: H310+H330 - Fatal in contact with skin or if inhaled.  
Acute Tox. 2: H330 - Fatal if inhaled.  
Acute Tox. 3: H301 - Toxic if swallowed.  
Acute Tox. 4: H302 - Harmful if swallowed.  
Aquatic Acute 1: H400 - Very toxic to aquatic life.  
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.  
Eye Dam. 1: H318 - Causes serious eye damage.  
Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.  
Skin Irrit. 2: H315 - Causes skin irritation.  
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

**Classification procedure:**

Aquatic Chronic 3: Calculation method

**Advice related to training:**

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**

<http://echa.europa.eu>  
<http://eur-lex.europa.eu>

**Abbreviations and acronyms:**

ADR: European agreement concerning the international carriage of dangerous goods by road  
IMDG: International maritime dangerous goods code  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organisation  
COD: Chemical Oxygen Demand  
BOD5: 5day biochemical oxygen demand  
BCF: Bioconcentration factor  
LD50: Lethal Dose 50  
LC50: Lethal Concentration 50  
EC50: Effective concentration 50  
LogPOW: Octanolwater partition coefficient  
Koc: Partition coefficient of organic carbon  
UFI: unique formula identifier  
IARC: International Agency for Research on Cancer

**\*\* Changes with regards to the previous version**

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -