

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## Metal enamel



**ALCHEMIST**

|         |                |                         |                                               |
|---------|----------------|-------------------------|-----------------------------------------------|
| Version | Revision Date: | SDS Number:             | Date of last issue:                           |
| 1.1     | 19.07.2022     | MAT0GA00_126<br>IE / EN | 19.07.2022<br>Date of first issue: 19.07.2022 |

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

### 1.1 Product identifier

Trade name : Metal enamel

Product code : 40175602

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

Use of the Sub-  
stance/Mixture : SU19 Building and construction work  
Professional and consumer use of coatings, Roller application  
or brushing, Non industrial spraying  
PC9a Coatings and paints, thinners, paint removers

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

Company : Advanced Coating Technology Ltd.  
5 Enterprise Business Park  
O'Brien Road  
R93 E1N0  
Ireland

Telephone Company : 059 9723807

Responsible/issuing person : 059 9723807  
info@advancedcoatings.ie

### 1.4 Emergency telephone number

- emergency number (for cases of poisoning, national number - like 911)

The National Poisons Information Centre, Ireland: 01 809 2166

National Emergency Health Line: 999

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

Not a hazardous substance or mixture.



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### 2.2 Label elements

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

Not a hazardous substance or mixture.

Precautionary statements : P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.

#### Additional Labelling

EUH208 Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2- methyl-4- isothiazolin-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

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

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

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

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Waterborne paint

#### Components

| Chemical name                | CAS-No.<br>EC-No.<br>Index-No.<br>Registration number      | Classification                                                                      | Concentration<br>(% w/w) |
|------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|
| 2-(2-butoxyethoxy)ethanol    | 112-34-5<br>203-961-6<br>603-096-00-8<br>01-2119475104-44  | Eye Irrit. 2; H319                                                                  | >= 1 - < 10              |
| 1,2-benzisothiazol-3(2H)-one | 2634-33-5<br>220-120-9<br>613-088-00-6<br>01-2120761540-60 | Acute Tox. 4; H302<br>Skin Irrit. 2; H315<br>Eye Dam. 1; H318<br>Skin Sens. 1; H317 | >= 0.0025 - < 0.025      |



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|                                                                                                    |                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                         |
|----------------------------------------------------------------------------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
|                                                                                                    |                                                    | Aquatic Acute 1;<br>H400<br>Aquatic Chronic 2;<br>H411<br><br>specific concentration<br>limit<br>Skin Sens. 1; H317<br>>= 0.05 %                                                                                                                                                                                                                                                                                                                                                                                                      |                         |
| reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3- one (3:1) | 55965-84-9<br><br>613-167-00-5<br>01-2120764691-48 | Acute Tox. 3; H301<br>Acute Tox. 2; H330<br>Acute Tox. 2; H310<br>Skin Corr. 1C; H314<br>Eye Dam. 1; H318<br>Skin Sens. 1A; H317<br>Aquatic Acute 1;<br>H400<br>Aquatic Chronic 1;<br>H410<br>EUH071<br><br>M-Factor (Acute<br>aquatic toxicity): 100<br>M-Factor (Chronic<br>aquatic toxicity): 100<br><br>specific concentration<br>limit<br>Skin Corr. 1C; H314<br>>= 0.6 %<br>Skin Irrit. 2; H315<br>0.06 - < 0.6 %<br>Eye Irrit. 2; H319<br>0.06 - < 0.6 %<br>Skin Sens. 1A; H317<br>>= 0.0015 %<br>Eye Dam. 1; H318<br>>= 0.6 % | >= 0.0002 - <<br>0.0015 |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice : Do not leave the victim unattended.



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

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

- |          |   |                                |
|----------|---|--------------------------------|
| Symptoms | : | No symptoms known or expected. |
|----------|---|--------------------------------|

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

- |           |   |                        |
|-----------|---|------------------------|
| Treatment | : | Treat symptomatically. |
|-----------|---|------------------------|

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- |                              |   |                                                                                                                                                                                     |
|------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media | : | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.<br>Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
|------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

- |                               |   |                                             |
|-------------------------------|---|---------------------------------------------|
| Hazardous combustion products | : | No hazardous combustion products are known. |
|-------------------------------|---|---------------------------------------------|

### 5.3 Advice for firefighters

- |                                               |   |                                                                                                                                                   |
|-----------------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Special protective equipment for firefighters | : | Wear self-contained breathing apparatus for firefighting if necessary.                                                                            |
| Further information                           | : | Standard procedure for chemical fires.<br>Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |



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### SECTION 6: Accidental release measures

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

Personal precautions : Avoid contact with skin and eyes.  
Do not flush into surface water or sanitary sewer system.  
Prevent further leakage or spillage if safe to do so.

#### 6.2 Environmental precautions

Environmental precautions : If the product contaminates rivers and lakes or drains inform respective authorities.

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

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

#### 6.4 Reference to other sections

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

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : General industrial hygiene practice.

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

Requirements for storage areas and containers : Electrical installations / working materials must comply with the technological safety standards.

Advice on common storage : No materials to be especially mentioned.

Further information on storage stability : No decomposition if stored and applied as directed.

#### 7.3 Specific end use(s)

Specific use(s) : For further information, refer to the product technical data sheet.

Consult the technical guidelines for the use of this substance/mixture.



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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

| Components                      | CAS-No.    | Value type (Form of exposure)                     | Control parameters                | Basis      |
|---------------------------------|------------|---------------------------------------------------|-----------------------------------|------------|
| titanium dioxide                | 13463-67-7 | OELV - 8 hrs (TWA) (Respirable dust)              | 4 mg/m <sup>3</sup>               | IE OEL     |
|                                 |            | OELV - 8 hrs (TWA) (inhalable dust)               | 10 mg/m <sup>3</sup>              | IE OEL     |
| Propane-1,2-diol                | 57-55-6    | OELV - 8 hrs (TWA) (particles)                    | 10 mg/m <sup>3</sup>              | IE OEL     |
|                                 |            | OELV - 8 hrs (TWA) (total (vapour and particles)) | 150 ppm<br>470 mg/m <sup>3</sup>  | IE OEL     |
| 2-(2-butoxyethoxy)ethanol       | 112-34-5   | STEL                                              | 15 ppm<br>101.2 mg/m <sup>3</sup> | 2006/15/EC |
| Further information: Indicative |            |                                                   |                                   |            |
|                                 |            | TWA                                               | 10 ppm<br>67.5 mg/m <sup>3</sup>  | 2006/15/EC |
| Further information: Indicative |            |                                                   |                                   |            |
|                                 |            | OELV - 15 min (STEL)                              | 15 ppm<br>101.2 mg/m <sup>3</sup> | IE OEL     |
|                                 |            | OELV - 8 hrs (TWA)                                | 10 ppm<br>67.5 mg/m <sup>3</sup>  | IE OEL     |

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

| Substance name            | End Use   | Exposure routes | Potential health effects   | Value                |
|---------------------------|-----------|-----------------|----------------------------|----------------------|
| titanium dioxide          | Workers   | Inhalation      | Long-term local effects    | 10 mg/m <sup>3</sup> |
|                           | Consumers | Oral            | Long-term systemic effects | 700 mg/kg bw/day     |
| 2-(2-ethoxyethoxy)ethanol | Workers   | Inhalation      | Long-term systemic effects | 61 mg/m <sup>3</sup> |
|                           | Workers   | Inhalation      | Long-term local effects    | 30 mg/m <sup>3</sup> |
|                           | Consumers | Inhalation      | Long-term systemic effects | 37 mg/m <sup>3</sup> |
|                           | Consumers | Inhalation      | Long-term local effects    | 18 mg/m <sup>3</sup> |
|                           | Workers   | Dermal          | Long-term systemic effects | 83 mg/kg bw/day      |



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|                                                                                                 |           |            |                            |                    |
|-------------------------------------------------------------------------------------------------|-----------|------------|----------------------------|--------------------|
|                                                                                                 | Consumers | Dermal     | Long-term systemic effects | 25 mg/kg bw/day    |
|                                                                                                 | Consumers | Oral       | Long-term systemic effects | 50 mg/kg bw/day    |
| 2-(2-butoxyethoxy)ethanol                                                                       | Workers   | Inhalation | Long-term systemic effects | 67.5 mg/m3         |
|                                                                                                 | Workers   | Inhalation | Long-term local effects    | 67.5 mg/m3         |
|                                                                                                 | Workers   | Inhalation | Acute local effects        | 101.2 mg/m3        |
|                                                                                                 | Consumers | Inhalation | Long-term systemic effects | 40.5 mg/m3         |
|                                                                                                 | Consumers | Inhalation | Long-term local effects    | 40.5 mg/m3         |
|                                                                                                 | Consumers | Inhalation | Acute local effects        | 60.7 mg/m3         |
|                                                                                                 | Workers   | Dermal     | Long-term systemic effects | 83 mg/kg bw/day    |
|                                                                                                 | Consumers | Dermal     | Long-term systemic effects | 50 mg/kg bw/day    |
|                                                                                                 | Consumers | Oral       | Long-term systemic effects | 5 mg/kg bw/day     |
| 1,2-benzisothiazol-3(2H)-one                                                                    | Workers   | Inhalation | Long-term systemic effects | 6.81 mg/m3         |
|                                                                                                 | Workers   | Dermal     | Long-term systemic effects | 0.966 mg/kg bw/day |
|                                                                                                 | Consumers | Inhalation | Long-term systemic effects | 1.2 mg/m3          |
|                                                                                                 | Consumers | Dermal     | Long-term systemic effects | 0.345 mg/kg bw/day |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | Consumers | Inhalation | Acute local effects        | 0.04 mg/m3         |
|                                                                                                 | Workers   | Inhalation | Long-term local effects    | 0.02 mg/m3         |
|                                                                                                 | Workers   | Inhalation | Acute local effects        | 0.04 mg/m3         |
|                                                                                                 | Consumers | Inhalation | Long-term local effects    | 0.02 mg/m3         |
|                                                                                                 | Consumers | Oral       | Long-term systemic effects | 0.09 mg/kg bw/day  |
|                                                                                                 | Consumers | Oral       | Acute systemic effects     | 0.11 mg/kg bw/day  |

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

| Substance name   | Environmental Compartment | Value                       |
|------------------|---------------------------|-----------------------------|
| titanium dioxide | Soil                      | 100 mg/kg dry weight (d.w.) |
|                  | Marine water              | 0.0184 mg/l                 |
|                  | Fresh water               | 0.184 mg/l                  |



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|                                                                                                   |                          |                                 |
|---------------------------------------------------------------------------------------------------|--------------------------|---------------------------------|
|                                                                                                   | Marine sediment          | 100 mg/kg dry weight (d.w.)     |
|                                                                                                   | Fresh water sediment     | 1000 mg/kg dry weight (d.w.)    |
|                                                                                                   | Sewage treatment plant   | 100 mg/l                        |
|                                                                                                   | Intermittent use/release | 0.193 mg/l                      |
| 2-(2-ethoxyethoxy)ethanol                                                                         | Soil                     | 0.34 mg/kg dry weight (d.w.)    |
|                                                                                                   | Marine water             | 0.198 mg/l                      |
|                                                                                                   | Fresh water              | 1.98 mg/l                       |
|                                                                                                   | Marine sediment          | 0.732 mg/kg dry weight (d.w.)   |
|                                                                                                   | Fresh water sediment     | 7.32 mg/kg dry weight (d.w.)    |
|                                                                                                   | Sewage treatment plant   | 500 mg/l                        |
|                                                                                                   | Intermittent use/release | 19.8 mg/l                       |
| 2-(2-butoxyethoxy)ethanol                                                                         | Soil                     | 0.32 mg/kg dry weight (d.w.)    |
|                                                                                                   | Marine water             | 0.11 mg/l                       |
|                                                                                                   | Fresh water              | 1.1 mg/l                        |
|                                                                                                   | Marine sediment          | 0.44 mg/kg dry weight (d.w.)    |
|                                                                                                   | Fresh water sediment     | 4.4 mg/kg dry weight (d.w.)     |
|                                                                                                   | Sewage treatment plant   | 200 mg/l                        |
|                                                                                                   | Intermittent use/release | 11 mg/l                         |
| 1,2-benzisothiazol-3(2H)-one                                                                      | Fresh water              | 0.00403 mg/l                    |
|                                                                                                   | Intermittent use/release | 0.0011 mg/l                     |
|                                                                                                   | Marine water             | 0.000403 mg/l                   |
|                                                                                                   | Sewage treatment plant   | 1.03 mg/l                       |
|                                                                                                   | Fresh water sediment     | 0.0499 mg/kg dry weight (d.w.)  |
|                                                                                                   | Marine sediment          | 0.00499 mg/kg dry weight (d.w.) |
|                                                                                                   | Soil                     | 3 mg/kg dry weight (d.w.)       |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3- one (3:1) | Soil                     | 0.01 mg/kg dry weight (d.w.)    |
|                                                                                                   | Marine water             | 0.00339 mg/l                    |
|                                                                                                   | Fresh water              | 0.00339 mg/l                    |
|                                                                                                   | Marine sediment          | 0.027 mg/kg dry weight (d.w.)   |
|                                                                                                   | Fresh water sediment     | 0.027 mg/kg dry weight (d.w.)   |
|                                                                                                   | Sewage treatment plant   | 0.23 mg/l                       |
|                                                                                                   | Intermittent use/release | 0.00339 mg/l                    |



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### 8.2 Exposure controls

#### Personal protective equipment

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

### SECTION 9: Physical and chemical properties

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

|                              |   |                                                                     |
|------------------------------|---|---------------------------------------------------------------------|
| Physical state               | : | liquid                                                              |
| Colour                       | : | in accordance with the product description                          |
| Odour                        | : | No information available.                                           |
| Odour Threshold              | : | No data available                                                   |
| Melting point/freezing point | : | 0.0 °C<br>(calculation method (principal components, lowest value)) |
| Boiling point/boiling range  | : | 100 °C (calculation method (principal components, lowest value))    |
| Flammability                 | : | Not applicable                                                      |
| Flash point                  | : | Not applicable                                                      |
| pH                           | : | No data available                                                   |
| Viscosity                    | : |                                                                     |
| Viscosity, kinematic         | : | > 20.5 mm <sup>2</sup> /s (40 °C)                                   |
| Flow time                    | : | > 60 s at 23 °C<br>Cross section: 6 mm<br>Method: ISO 2431          |
| Solubility(ies)              | : |                                                                     |
| Water solubility             | : | completely miscible                                                 |



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Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Density : 1.03 - 1.31 g/cm<sup>3</sup>

### 9.2 Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.  
No hazards to be specially mentioned.

### 10.4 Conditions to avoid

Conditions to avoid : No data available

### 10.5 Incompatible materials

Materials to avoid : Not applicable

### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

## SECTION 11: Toxicological information

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

#### Acute toxicity

Not classified based on available information.

#### Components:

##### 2-(2-butoxyethoxy)ethanol:

Acute oral toxicity : LD50 Oral (Rat):  $\geq 6,560$  mg/kg

Acute dermal toxicity : LD50 (Rabbit):  $\geq 4,120$  mg/kg

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

Acute oral toxicity : Assessment: The component/mixture is moderately toxic after



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single ingestion.

### Skin corrosion/irritation

Not classified based on available information.

#### Components:

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

Result : irritating

### Serious eye damage/eye irritation

Not classified based on available information.

#### Components:

##### 2-(2-butoxyethoxy)ethanol:

Result : Eye irritation

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

Result : Corrosive

### Respiratory or skin sensitisation

#### Skin sensitisation

Not classified based on available information.

#### Respiratory sensitisation

Not classified based on available information.

#### Components:

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

Result : Probability or evidence of skin sensitisation in humans

### Germ cell mutagenicity

Not classified based on available information.

### Carcinogenicity

Not classified based on available information.

### Reproductive toxicity

Not classified based on available information.

#### STOT - single exposure

Not classified based on available information.

#### STOT - repeated exposure

Not classified based on available information.



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### Aspiration toxicity

Not classified based on available information.

## 11.2 Information on other hazards

### Endocrine disrupting properties

#### Product:

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

### Further information

#### Product:

Remarks : No data available

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

##### **2-(2-butoxyethoxy)ethanol:**

Toxicity to fish : LC50 (Fish):  $\geq 2,500$  mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia (water flea)):  $> 1,000$  mg/l  
Exposure time: 48 h

Toxicity to microorganisms : EC50 (Bacteria):  $> 5,000$  mg/l

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

#### **Ecotoxicology Assessment**

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

##### **reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1):**

Toxicity to fish : LC50 (Salvelinus namaycush (lake trout)):  $\geq 10.85$  mg/l  
Exposure time: 96 h

Toxicity to algae/aquatic plants : LC50 (algae):  $\geq 0.82$  mg/l  
Exposure time: 48 h

LC50 (algae): 0.018 mg/l



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Exposure time: 72 h

M-Factor (Acute aquatic toxicity) : 100

M-Factor (Chronic aquatic toxicity) : 100

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

#### Components:

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

Partition coefficient: n-octanol/water : log Pow: 1.3

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

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

### 12.6 Endocrine disrupting properties

#### Product:

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

### 12.7 Other adverse effects

#### Product:

Additional ecological information : No data available

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Do not release the product to the aquatic environment



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|                        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contaminated packaging | : | Empty containers should be taken to an approved waste handling site for recycling or disposal.                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Waste Code             | : | 08 00 00, WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS<br>08 01 00, wastes from MFSU and removal of paint and varnish<br>15 00 00, WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED<br>15 01 00, packaging (including separately collected municipal packaging waste)<br>080112, waste paint and varnish other than those mentioned in 08 01 11<br>150104, metallic packaging |

## SECTION 14: Transport information

### 14.1 UN number or ID number

Not regulated as a dangerous good

### 14.2 UN proper shipping name

Not regulated as a dangerous good

### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

### 14.4 Packing group

Not regulated as a dangerous good

### 14.5 Environmental hazards

Not regulated as a dangerous good

### 14.6 Special precautions for user

Not applicable

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

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

|                                                                                                                                                |   |                |
|------------------------------------------------------------------------------------------------------------------------------------------------|---|----------------|
| REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) | : | Not applicable |
| Regulation (EC) No 649/2012 of the European Parliament                                                                                         | : | Not applicable |



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ment and the Council concerning the export and import of dangerous chemicals

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

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

Volatile organic compounds : Directive 2004/42/EC  
Volatile organic compounds (VOC) content: 130 g/l

### Other regulations:

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

## SECTION 16: Other information

### Full text of H-Statements

|        |                                                         |
|--------|---------------------------------------------------------|
| H301   | : Toxic if swallowed.                                   |
| H302   | : Harmful if swallowed.                                 |
| H310   | : Fatal in contact with skin.                           |
| H314   | : Causes severe skin burns and eye damage.              |
| H315   | : Causes skin irritation.                               |
| H317   | : May cause an allergic skin reaction.                  |
| H318   | : Causes serious eye damage.                            |
| H319   | : Causes serious eye irritation.                        |
| H330   | : Fatal if inhaled.                                     |
| H400   | : Very toxic to aquatic life.                           |
| H410   | : Very toxic to aquatic life with long lasting effects. |
| H411   | : Toxic to aquatic life with long lasting effects.      |
| EUH071 | : Corrosive to the respiratory tract.                   |

### Full text of other abbreviations

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



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|                               |   |                                                                                      |
|-------------------------------|---|--------------------------------------------------------------------------------------|
| Skin Corr.                    | : | Skin corrosion                                                                       |
| Skin Irrit.                   | : | Skin irritation                                                                      |
| Skin Sens.                    | : | Skin sensitisation                                                                   |
| 2006/15/EC                    | : | Europe. Indicative occupational exposure limit values                                |
| IE OEL                        | : | Ireland. List of Chemical Agents and Occupational Exposure Limit Values - Schedule 1 |
| 2006/15/EC / TWA              | : | Limit Value - eight hours                                                            |
| 2006/15/EC / STEL             | : | Short term exposure limit                                                            |
| IE OEL / OELV - 8 hrs (TWA)   | : | Occupational exposure limit value (8-hour reference period)                          |
| IE OEL / OELV - 15 min (STEL) | : | Occupational exposure limit value (15-minute reference period)                       |

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

### Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not



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