

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

### **1.1. Product identifier**

Mixture identification:

Trade name: MAPECOAT TNS COLOR

Trade code: 906MC9990

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

Recommended use: Acrylic resin for tennis courts

Uses advised against: Data not available.

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

Company: MAPEI S.p.A. - Via Cafiero, 22 - 20158 Milano

Tel. +(39)02376731 (office hours) - Fax: +39-02-37673.214 - [www.mapei.it](http://www.mapei.it)

Responsable: [sicurezza@mapei.it](mailto:sicurezza@mapei.it)

### **1.4. Emergency telephone number**

Centro antiveleni, Azienda ospedaliera "Antonio Cardarelli", III Servizio di anestesia e rianimazione, via Antonio Cardarelli 9, Napoli - Tel. 081 5453333

Centro antiveleni, Azienda ospedaliera universitaria Careggi, U.O. Tossicologia medica, via Largo Brambilla 3, Firenze - Tel. 055 7947819

Centro antiveleni, Centro nazionale d'informazione tossicologica, IRCCS Fondazione Salvatore Maugeri Clinica del lavoro e della riabilitazione, via Salvatore Maugeri 10, Pavia - Tel. 0382 24444

Centro antiveleni, Azienda ospedaliera Niguarda Ca' Granda, piazza Ospedale Maggiore 3, Milano - Tel. 02 66101029

Centro antiveleni, Azienda ospedaliera "Papa Giovanni XXIII", Tossicologia clinica, Dipartimento di farmacia clinica e farmacologia, piazza OMS 1, Bergamo - Tel. 800 883300

Centro antiveleni Policlinico "Umberto I", PRGM tossicologia d'urgenza, viale del Policlinico 155, Roma - Tel. 06 49978000

Centro antiveleni del Policlinico "Agostino Gemelli", Servizio di tossicologia clinica, largo Agostino Gemelli 8, Roma - Tel. 06 3054343

Centro antiveleni, Azienda ospedaliera universitaria Riuniti, viale Luigi Pinto 1, Foggia - Tel. 800 183459

Centro antiveleni, Ospedale pediatrico Bambino Gesù, Dipartimento emergenza e accettazione DEA, piazza Sant'Onofrio 4, Roma - Tel. 06 68593726

Centro antiveleni dell'Azienda ospedaliera universitaria integrata (AOUI) di Verona sede di Borgo Trento, piazzale Aristide Stefani, 1 - 37126 Verona - Tel. 800 011858

## **SECTION 2: Hazards identification**

### **2.1. Classification of the substance or mixture**

#### **Regulation (EC) n. 1272/2008 (CLP)**

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

### **2.2. Label elements**

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

#### **Special Provisions:**

EUH208 Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

EUH208 Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H - isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

EUH210 Safety data sheet available on request.

#### **Special provisions according to Annex XVII of REACH and subsequent amendments:**

None.

### **2.3. Other hazards**

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$

Other Hazards: No other hazards

This product contains crystalline silica (quartz sand). IARC has classified crystalline silica as a Group 1 carcinogen. Both IARC and NTP consider silica as a known human carcinogen. Evidence is based on the chronic and long-term exposure workers have had to respirable sized crystalline silica dust particles. Because this product is in liquid or paste form, it does not pose a dust hazard; therefore, this classification is not relevant. (Note: sanding of the hardened product may create a silica dust hazard)

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not Relevant

### 3.2. Mixtures

Mixture identification: MAPECOAT TNS COLOR

#### Hazardous components within the meaning of the CLP regulation and related classification:

| Qty                                                                                                                                                                                                           | Name                                                                                                                                   | Ident. Numb.                                         | Classification                                                                                                                                                                                             | Registration Number   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| ≥30 - <36 %                                                                                                                                                                                                   | free crystalline silica (Ø >10 µ)                                                                                                      | CAS:14808-60-7<br>EC:238-878-4                       | Substance with a Union workplace exposure limit.                                                                                                                                                           | EXEMPT                |
| ≥1 - <2.5 %                                                                                                                                                                                                   | free crystalline silica (Ø <10 µ)                                                                                                      | CAS:14808-60-7<br>EC:238-878-4                       | STOT RE 1, H372                                                                                                                                                                                            | EXEMPT                |
| ≥0.025 - <0.036 %                                                                                                                                                                                             | 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one                                                                               | CAS:2634-33-5<br>EC:220-120-9<br>Index:613-088-00-6  | Acute Tox. 2, H330; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Dam. 1, H318; Skin Sens. 1A, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410, M-Chronic:1, M-Acute:1                                 | 01-2120761540-60-XXXX |
| Specific Concentration Limits:<br>C ≥ 0.036%: Skin Sens. 1A H317                                                                                                                                              |                                                                                                                                        |                                                      |                                                                                                                                                                                                            |                       |
| Acute Toxicity Estimate:<br>ATE - Oral: 450mg/kg bw<br>ATE - Inhalation (Dust/mist): 0.21mg/l                                                                                                                 |                                                                                                                                        |                                                      |                                                                                                                                                                                                            |                       |
| ≥0.001 - <0.0015 %                                                                                                                                                                                            | reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) | CAS:55965-84-9<br>EC:611-341-5<br>Index:613-167-00-5 | Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 3, H301; Skin Corr. 1C, H314; Skin Sens. 1A, H317; Acute Tox. 2, H310; Acute Tox. 2, H330; Eye Dam. 1, H318, M-Chronic:100, M-Acute:100, EUH071 | N.A.                  |
| Specific Concentration Limits:<br>C ≥ 0.6%: Skin Corr. 1C H314<br>0.06% ≤ C < 0.6%: Skin Irrit. 2 H315<br>C ≥ 0.6%: Eye Dam. 1 H318<br>0.06% ≤ C < 0.6%: Eye Irrit. 2 H319<br>C ≥ 0.0015%: Skin Sens. 1A H317 |                                                                                                                                        |                                                      |                                                                                                                                                                                                            |                       |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

Not available

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

Treatment:

N.A.

Not available

(see paragraph 4.1)

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

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

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

## 5.3. Advice for firefighters

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

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## SECTION 6: Accidental release measures

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

#### For non emergency personnel:

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

#### For emergency responders:

Wear personal protection equipment.

### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Limit leakages with earth or sand.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

Retain contaminated washing water and dispose it.

### 6.4. Reference to other sections

See also section 8 and 13

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

#### Advice on general occupational hygiene:

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

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

### 7.3. Specific end use(s)

Recommendation(s)

None in particular

Industrial sector specific solutions:

None in particular

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Community Occupational Exposure Limits (OEL)

|                                                      | OEL Type | Country   | Occupational Exposure Limit                                                                          |
|------------------------------------------------------|----------|-----------|------------------------------------------------------------------------------------------------------|
| free crystalline silica (Ø >10 µ)<br>CAS: 14808-60-7 | ACGIH    |           | Long Term: 0.025 mg/m <sup>3</sup><br>A2 - Suspected Human Carcinogen;lung cancer;pulmonary fibrosis |
|                                                      | National | AUSTRALIA | Long Term: 0.05 mg/m <sup>3</sup>                                                                    |
|                                                      | National | BELGIUM   | Long Term: 0.1 mg/m <sup>3</sup>                                                                     |

|                                                         |                                                                                                                                                                                       |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| National BULGARIA                                       | Long Term: 0.07 mg/m3                                                                                                                                                                 |
| National CROATIA                                        | Long Term: 0.1 mg/m3                                                                                                                                                                  |
| National CZECH<br>REPUBLIC                              | Long Term: 0.1 mg/m3                                                                                                                                                                  |
| National DENMARK                                        | Long Term: 0.3 mg/m3<br>DENMARK, inhalable aerosol inhalable aerosol                                                                                                                  |
| National DENMARK                                        | Long Term: 0.1 mg/m3<br>DENMARK, respirable aerosol respirable aerosol                                                                                                                |
| National DENMARK                                        | Long Term: 0.3 mg/m3                                                                                                                                                                  |
| National DENMARK                                        | Long Term: 0.1 mg/m3                                                                                                                                                                  |
| National ESTONIA                                        | Long Term: 0.1 mg/m3                                                                                                                                                                  |
| National FINLAND                                        | Long Term: 0.05 mg/m3                                                                                                                                                                 |
| National FRANCE                                         | Long Term: 0.1 mg/m3                                                                                                                                                                  |
| SUVA GERMANY                                            | Long Term: 0.15 mg/m3<br>50 µg/m³ (Partikel Durchmesser < 12 µm ) - TRGS 906                                                                                                          |
| National HUNGARY                                        | Long Term: 0.15 mg/m3                                                                                                                                                                 |
| National LITHUANIA                                      | Long Term: 0.1 mg/m3                                                                                                                                                                  |
| Malaysi<br>a OEL                                        | Long Term: 0.1 mg/m3<br>0.1 mg/m3 TWA (respirable dust)                                                                                                                               |
| NDS<br>S                                                | NETHERLAND Long Term: 0.075 mg/m3                                                                                                                                                     |
| National NORWAY                                         | Long Term: 0.3 mg/m3<br>Totalstøv (total dust); K: Kjemikalier som skal betraktes som kreftfremkallende. (K: Chemicals to be treated as carcinogenic.)                                |
| ACGIH                                                   | Long Term: 0.025 mg/m3<br>(R), A2 - Pulm fibrosis, lung cancer                                                                                                                        |
| NDS POLAND                                              | Long Term: 0.1 mg/m3                                                                                                                                                                  |
| National PORTUGAL                                       | Long Term: 0.025 mg/m3                                                                                                                                                                |
| National ROMANIA                                        | Long Term: 0.1 mg/m3                                                                                                                                                                  |
| National SLOVAKIA                                       | Long Term: 0.1 mg/m3; Short Term: 0.5 mg/m3                                                                                                                                           |
| National SLOVENIA                                       | Long Term: 0.1 mg/m3                                                                                                                                                                  |
| National SPAIN                                          | Long Term: 0.05 mg/m3                                                                                                                                                                 |
| National SWEDEN                                         | Long Term: 0.1 mg/m3                                                                                                                                                                  |
| National SWITZERLAN<br>D                                | Long Term: 0.15 mg/m3<br>A                                                                                                                                                            |
| EU                                                      | Long Term: 0.1 mg/m3<br>Behaviour Binding                                                                                                                                             |
| SUVA<br>D                                               | SWITZERLAN Long Term: 0.15 mg/m3<br>C1a, SSc, P                                                                                                                                       |
| free crystalline silica (Ø <10<br>µ)<br>CAS: 14808-60-7 | ACGIH Long Term: 0.025 mg/m3<br>A2 - Suspected Human Carcinogen;lung cancer;pulmonary fibrosis                                                                                        |
| National ARGENTINA                                      | Long Term: 0.05 mg/m3                                                                                                                                                                 |
| National AUSTRALIA                                      | Long Term: 0.1 mg/m3                                                                                                                                                                  |
| National AUSTRIA                                        | Long Term: 0.15 mg/m3<br>A*                                                                                                                                                           |
| National BELGIUM                                        | Long Term: 0.1 mg/m3                                                                                                                                                                  |
| National BULGARIA                                       | Long Term: 0.07 mg/m3                                                                                                                                                                 |
| National CROATIA                                        | Long Term: 0.1 mg/m3                                                                                                                                                                  |
| National CZECH<br>REPUBLIC                              | Long Term: 0.1 mg/m3                                                                                                                                                                  |
| National DENMARK                                        | Long Term: 0.1 mg/m3; Short Term: 0.2 mg/m3<br>Respirabel fraktion, respirable fraction<br>E: Stoffet har en EU-grænseværdi.<br>K: Stoffet anses for at kunne være kræftfremkaldende. |

|                    |                                                                                                                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| National DENMARK   | Long Term: 0.3 mg/m <sup>3</sup> ; Short Term: 0.6 mg/m <sup>3</sup><br>Total dust                                                                                                                                 |
| National ESTONIA   | Long Term: 0.1 mg/m <sup>3</sup>                                                                                                                                                                                   |
| National FINLAND   | Long Term: 0.05 mg/m <sup>3</sup><br>Respirabel fraktion. Respirable fraction                                                                                                                                      |
| National FRANCE    | Long Term: 0.1 mg/m <sup>3</sup>                                                                                                                                                                                   |
| National HUNGARY   | Long Term: 0.15 mg/m <sup>3</sup>                                                                                                                                                                                  |
| National ITALY     | Long Term: 0.1 mg/m <sup>3</sup>                                                                                                                                                                                   |
| National LITHUANIA | Long Term: 0.1 mg/m <sup>3</sup>                                                                                                                                                                                   |
| Malaysi<br>a OEL   | Long Term: 0.1 mg/m <sup>3</sup><br>0.1 mg/m <sup>3</sup> TWA (respirable dust)                                                                                                                                    |
| NDS<br>S           | NETHERLAND Long Term: 0.075 mg/m <sup>3</sup>                                                                                                                                                                      |
| National NORWAY    | Long Term: 0.3 mg/m <sup>3</sup><br>Totalstøv (total dust);<br>K: Kjemikalier som skal betraktes som kreftfremkallende.                                                                                            |
| National NORWAY    | Long Term: 0.05 mg/m <sup>3</sup><br>Respirabelt støv (respirable dust);<br>K: Kjemikalier som skal betraktes som kreftfremkallende.<br>G: EU har fastsatt en bindende grenseverdi og/eller anmerkning av stoffet. |
| ACGIH              | Long Term: 0.025 mg/m <sup>3</sup><br>(R), A2 - Pulm fibrosis, lung cancer                                                                                                                                         |
| EU                 | Long Term: 0.025 mg/m <sup>3</sup><br>A2 (R) - Pulm fibrosis, lung cancer                                                                                                                                          |
| NDS                | POLAND Long Term: 0.1 mg/m <sup>3</sup>                                                                                                                                                                            |
| National PORTUGAL  | Long Term: 0.025 mg/m <sup>3</sup>                                                                                                                                                                                 |
| National ROMANIA   | Long Term: 0.1 mg/m <sup>3</sup>                                                                                                                                                                                   |
| National SLOVAKIA  | Long Term: 0.1 mg/m <sup>3</sup> ; Short Term: 0.5 mg/m <sup>3</sup>                                                                                                                                               |
| National SLOVENIA  | Long Term: 0.1 mg/m <sup>3</sup>                                                                                                                                                                                   |
| National SPAIN     | Long Term: 0.05 mg/m <sup>3</sup>                                                                                                                                                                                  |
| National SWEDEN    | Long Term: 0.1 mg/m <sup>3</sup><br>Respirabel fraktion. Respirable fraction<br>C: Ämnet är cancerframkallande.<br>M: Medicinska kontroller.                                                                       |
| SUVA<br>D          | SWITZERLAND Long Term: 0.15 mg/m <sup>3</sup><br>C1a, SSc, P                                                                                                                                                       |

## 8.2. Exposure controls

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Suitable materials for safety gloves; EN ISO 374:

Polychloroprene - CR: thickness  $\geq 0,5\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Nitrile rubber - NBR: thickness  $\geq 0,35\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Butyl rubber - IIR: thickness  $\geq 0,5\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Fluorinated rubber - FKM: thickness  $\geq 0,4\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Respiratory protection:

Personal Protective Equipment should comply with relevant CE standards (as EN ISO 374 for gloves and EN ISO 166 for goggles), correctly maintained and stored. Consult the supplier to check the suitability of equipment against specific chemicals and for user information.

Not needed for normal use. Anyway, operate according good working practices.

Hygienic and Technical measures

Not available

Appropriate engineering controls:

Not available

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Physical state: Liquid  
Appearance: paste  
Colour: transparent  
Odour: Characteristic  
Odour threshold: Not available  
Melting point/freezing point: Not available  
Boiling point or initial boiling point and boiling range: 100 °C (212 °F)  
Flammability: N.A.  
Lower and upper explosion limit: Lower and upper explosion limit: Not available  
Flash point: 100 °C (212 °F)  
Auto-ignition temperature: Not available  
Decomposition temperature: Not available  
pH: 8.50  
Viscosity: 22,500.00 cPs  
Kinematic viscosity: Not available  
Solubility in water: dispersible  
Solubility in oil: insoluble  
Partition coefficient n-octanol/water (log value): Not available  
Vapour pressure: Not available  
Density and/or relative density: 1.40 g/cm<sup>3</sup>  
Relative vapour density: ==  
**Particle characteristics:**  
Particle size: Not available

## 9.2. Other information

Miscibility: Not available  
Conductivity: Not available  
Explosive properties: ==  
No other relevant information

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions

### 10.2. Chemical stability

Stable under normal conditions

### 10.3. Possibility of hazardous reactions

None.

### 10.4. Conditions to avoid

Stable under normal conditions.

### 10.5. Incompatible materials

None in particular.

### 10.6. Hazardous decomposition products

None.

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## SECTION 11: Toxicological information

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

#### Toxicological Information of the Preparation

|                                      |                                                                                    |
|--------------------------------------|------------------------------------------------------------------------------------|
| a) acute toxicity                    | Not classified<br>Based on available data, the classification criteria are not met |
| b) skin corrosion/irritation         | Not classified<br>Based on available data, the classification criteria are not met |
| c) serious eye damage/irritation     | Not classified<br>Based on available data, the classification criteria are not met |
| d) respiratory or skin sensitisation | Not classified<br>Based on available data, the classification criteria are not met |
| e) germ cell mutagenicity            | Not classified<br>Based on available data, the classification criteria are not met |
| f) carcinogenicity                   | Not classified<br>Based on available data, the classification criteria are not met |

|                           |                                                                                    |
|---------------------------|------------------------------------------------------------------------------------|
| g) reproductive toxicity  | Not classified<br>Based on available data, the classification criteria are not met |
| h) STOT-single exposure   | Not classified<br>Based on available data, the classification criteria are not met |
| i) STOT-repeated exposure | Not classified<br>Based on available data, the classification criteria are not met |
| j) aspiration hazard      | Not classified<br>Based on available data, the classification criteria are not met |

#### Toxicological information on main components of the mixture:

|                                                                                                                                        |                   |                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------------------------------------------------------------------------------------------|
| free crystalline silica (Ø >10 µ)                                                                                                      | a) acute toxicity | LD50 Oral > 2000 mg/kg<br><br>LD50 Skin > 2000 mg/kg                                                   |
| free crystalline silica (Ø <10 µ)                                                                                                      | a) acute toxicity | LD50 Oral Rat = 500 mg/kg                                                                              |
| 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one                                                                               | a) acute toxicity | ATE - Oral : 450 mg/kg bw<br><br>ATE - Inhalation (Dust/mist) : 0.21 mg/l<br>LD50 Oral Rat = 670 mg/kg |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) | a) acute toxicity | LC50 Inhalation Rat = 2.36 mg/l 4h<br><br>LD50 Skin Rabbit = 660 mg/kg<br>LD50 Oral Rat = 53 mg/kg     |

#### 11.2. Information on other hazards

##### Endocrine disrupting properties:

No endocrine disruptor substances present in concentration >= 0.1%

## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

#### List of Eco-Toxicological properties of the product

Not classified for environmental hazards.

Based on available data, the classification criteria are not met

#### List of Eco-Toxicological properties of the components

| Component                                                | Ident. Numb.                                                | Ecotox Data                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one | CAS: 2634-33-5<br>- EINECS: 220-120-9 - INDEX: 613-088-00-6 | a) Aquatic acute toxicity : LC50 Fish = 2.15 mg/L<br><br>b) Aquatic chronic toxicity : NOEC Algae = 0.0403 mg/L 72h<br>b) Aquatic chronic toxicity : EC50 Algae = 0.11 mg/L 72h<br>b) Aquatic chronic toxicity : EC10 Algae = 0.04 mg/L 72h<br>b) Aquatic chronic toxicity : EC50 Daphnia = 3.27 mg/L 48h<br>NOEC Daphnia = 1.2 mg/L 21d |

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) CAS: 55965-84-9 - EINECS: 611-341-5 - INDEX: 613-167-00-5 a) Aquatic acute toxicity : EC50 Daphnia = 0.12 mg/L 48

- a) Aquatic acute toxicity : LC50 Fish = 0.22 mg/L 96  
a) Aquatic acute toxicity : EC50 Algae = 0.048 mg/L 72  
b) Aquatic chronic toxicity : NOEC Algae = 0.0012 mg/L 72  
b) Aquatic chronic toxicity : NOEC Fish = 0.098 mg/L - 28 d  
b) Aquatic chronic toxicity : NOEC Daphnia = 0.004 mg/L - 21 d

## 12.2. Persistence and degradability

### Component

### Persistence/Degradability:

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one Readily biodegradable

## 12.3. Bioaccumulative potential

N.A.

## 12.4. Mobility in soil

N.A.

## 12.5. Results of PBT and vPvB assessment

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$

## 12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

## 12.7. Other adverse effects

Not available

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

A waste code (EWC) according to European List of Waste (LoW) cannot be specified, due to dependence on the usage. Contact and send to an authorized waste disposal service.

Methods of disposal:

Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor.

Do not dispose of waste into sewers.

Clean waste packaging should be recycled when possible and authorized by the authority.

Hazardous waste: No

Disposal considerations:

Do not allow to enter drains or watercourses.

Dispose of product according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

Special precautions:

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Empty containers or liners may retain some product residues. Do not re-use empty containers.

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## SECTION 14: Transport information

Not classified as dangerous in the meaning of transport regulations.

### 14.1. UN number or ID number

Not Applicable

### 14.2. UN proper shipping name

Not Applicable

### 14.3. Transport hazard class(es)

Not Applicable

### 14.4. Packing group



Not Applicable

#### 14.5. Environmental hazards

Not Applicable

#### 14.6. Special precautions for user

Not Applicable

Road and Rail (ADR-RID):

Not Applicable

Air (IATA):

Not Applicable

Sea (IMDG):

Not Applicable

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

Not Applicable

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### SECTION 15: Regulatory information

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

VOC (2004/42/EC) : 26.00 g/l - Category : Interior matt walls and ceilings - Water based

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EU) n. 2020/878

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2020/217 (ATP 14 CLP)

Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Regulation (EU) n. 2021/643 (ATP 16 CLP)

Regulation (EU) n. 2021/849 (ATP 17 CLP)

Regulation (EU) n. 2022/692 (ATP 18 CLP)

Regulation (EU) n. 2023/707

Regulation (EU) n. 2023/1434 (ATP 19 CLP)

Regulation (EU) n. 2023/1435 (ATP 20 CLP)

Regulation (EU) n. 2024/197 (ATP 21 CLP)

Provisions related to directive EU 2012/18 (Seveso III):

None

#### Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: 3

Restrictions related to the substances contained: 28, 40, 72, 75, 77

#### SVHC Substances:

SVHC substances not present in a concentration  $\geq 0.1\%$  (w/w)

#### German Water Hazard Class.

Class 1: slightly hazardous for water.

#### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

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### SECTION 16: Other information

| Code | Description |
|------|-------------|
|------|-------------|

|      |                                                                 |
|------|-----------------------------------------------------------------|
| H302 | Harmful if swallowed.                                           |
| H315 | Causes skin irritation.                                         |
| H317 | May cause an allergic skin reaction.                            |
| H318 | Causes serious eye damage.                                      |
| H330 | Fatal if inhaled.                                               |
| H372 | Causes damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life.                                     |
| H410 | Very toxic to aquatic life with long lasting effects.           |

| <b>Code</b> | <b>Hazard class and hazard category</b> | <b>Description</b>                                             |
|-------------|-----------------------------------------|----------------------------------------------------------------|
| 3.1/2/Inhal | Acute Tox. 2                            | Acute toxicity (inhalation), Category 2                        |
| 3.1/4/Oral  | Acute Tox. 4                            | Acute toxicity (oral), Category 4                              |
| 3.2/2       | Skin Irrit. 2                           | Skin irritation, Category 2                                    |
| 3.3/1       | Eye Dam. 1                              | Serious eye damage, Category 1                                 |
| 3.4.2/1A    | Skin Sens. 1A                           | Skin Sensitisation, Category 1A                                |
| 3.9/1       | STOT RE 1                               | Specific target organ toxicity — repeated exposure, Category 1 |
| 4.1/A1      | Aquatic Acute 1                         | Acute aquatic hazard, category 1                               |
| 4.1/C1      | Aquatic Chronic 1                       | Chronic (long term) aquatic hazard, category 1                 |

If appropriate, specific provisions in relation to possible training for workers are mentioned in section 2. Any training related to safety in the workplace must in any case refer to a risk assessment that must be carried out by a company safety officer taking into account the specific operating and environmental conditions in which the products are used.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

CMR: Carcinogenic, Mutagenic and Reprotoxic

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report

DMEL: Derived Minimal Effect Level

DNEL: Derived No Effect Level.

DPD: Dangerous Preparations Directive

DSD: Dangerous Substances Directive

EC50: Half Maximal Effective Concentration

ECHA: European Chemicals Agency

EINECS: European Inventory of Existing Commercial Chemical Substances.

ES: Exposure Scenario

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

IC50: half maximal inhibitory concentration  
ICAO: International Civil Aviation Organization.  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
IMDG: International Maritime Code for Dangerous Goods.  
INCI: International Nomenclature of Cosmetic Ingredients.  
IRCCS: Scientific Institute for Research, Hospitalization and Health Care  
KAFH: KAFH  
KSt: Explosion coefficient.  
LC50: Lethal concentration, for 50 percent of test population.  
LD50: Lethal dose, for 50 percent of test population.  
LDLo: Leathal Dose Low  
N.A.: Not Applicable  
N/A: Not Applicable  
N/D: Not defined/ Not available  
NA: Not available  
NIOSH: National Institute for Occupational Safety and Health  
NOAEL: No Observed Adverse Effect Level  
OSHA: Occupational Safety and Health Administration  
PBT: Persistent, Bioaccumulative and Toxic  
PGK: Packaging Instruction  
PNEC: Predicted No Effect Concentration.  
PSG: Passengers  
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.  
STEL: Short Term Exposure limit.  
STOT: Specific Target Organ Toxicity.  
TLV: Threshold Limiting Value.  
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).  
vPvB: Very Persistent, Very Bioaccumulative.  
WGK: German Water Hazard Class.

**Paragraphs modified from the previous revision:**

- SECTION 2: Hazards identification
- SECTION 3: Composition/information on ingredients
- SECTION 4: First aid measures
- SECTION 5: Firefighting measures
- SECTION 6: Accidental release measures
- SECTION 7: Handling and storage
- SECTION 8: Exposure controls/personal protection
- SECTION 9: Physical and chemical properties
- SECTION 11: Toxicological information
- SECTION 12: Ecological information
- SECTION 15: Regulatory information
- SECTION 16: Other information