

**ASULAK E-TRANS FF**

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

- 1.1 Product identifier:** ASULAK E-TRANS FF
- Other means of identification:**  
Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Relevant uses: Printing colour (Ink) in paste form. For industrial user only.  
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**  
Aplicación y Suministros Textiles S.A.U  
AV. CAMÍ REIAL 13-15  
08184 PALAU-SOLITÀ I PLEGAMANS - BARCELONA - España  
Phone: +34938647111 - Fax: +34938645104  
chemicals@asutex.es  
www.asutex.com
- 1.4 Emergency telephone number:** Monday-Friday from 8h to 17h phone +34 93 864 71 11; Poison Center in Spain (24/24 7/7)  
: +34 91 562 04 20; Poison Center (other countries): 1 800 222 1222

**SECTION 2: HAZARDS IDENTIFICATION**

- 2.1 Classification of the substance or mixture:**  
**CLP Regulation (EC) No 1272/2008:**  
The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.
- 2.2 Label elements:**  
**CLP Regulation (EC) No 1272/2008:**  
**Hazard statements:**  
Not relevant  
**Precautionary statements:**  
Not relevant  
**Supplementary information:**  
EUH208: Contains 1,2-benzisothiazol-3(2H)-one, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.  
EUH210: Safety data sheet available on request.
- 2.3 Other hazards:**  
Product does not meet PBT/vPvB criteria  
Endocrine-disrupting properties: The product does not meet the criteria.

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

- 3.1 Substance:**  
Non-applicable
- 3.2 Mixture:**  
**Chemical description:** Miscellaneous products  
**Components:**  
In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

| Identification                                                                        | Chemical name/Classification             |                                                                                                                    | Concentration      |
|---------------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------|
| CAS: 111-46-6<br>EC: 203-872-2<br>Index: 603-140-00-6<br>REACH: 01-2119457857-21-XXXX | <b>2,2' -oxybisethanol<sup>(1)</sup></b> | ATP CLP00                                                                                                          | <b>1 - &lt;3 %</b> |
|                                                                                       | Regulation 1272/2008                     | Acute Tox. 4: H302 - Warning  |                    |

<sup>(1)</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

- CONTINUED ON NEXT PAGE -

**ASULAK E-TRANS FF**

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

| Identification                                                                         | Chemical name/Classification                                                                                                                                                                                                                                                                                                  | Concentration           |
|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| CAS: 2634-33-5<br>EC: 220-120-9<br>Index: 613-088-00-6<br>REACH: 01-2120761540-60-XXXX | <b>1,2-benzisothiazol-3(2H)-one<sup>(1)</sup></b> ATP CLP00<br>Regulation 1272/2008 Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Danger                                                                                                                             | <b>0,01 - &lt;0,3 %</b> |
| CAS: 55965-84-9<br>EC: Non-applicable<br>Index: 613-167-00-5<br>REACH: Non-applicable  | <b>Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)<sup>(1)</sup></b> ATP ATP13<br>Regulation 1272/2008 Acute Tox. 2: H310+H330; Acute Tox. 3: H301; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1C: H314; Skin Sens. 1A: H317; EUH071 - Danger | <b>&lt;0,0015 %</b>     |

<sup>(1)</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

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

**Other information:**

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

| Identification                                                                                                                         | Specific concentration limit                                                                                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1,2-benzisothiazol-3(2H)-one<br>CAS: 2634-33-5<br>EC: 220-120-9                                                                        | % (w/w) ≥ 0,05: Skin Sens. 1 - H317                                                                                                                                                                          |
| Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)<br>CAS: 55965-84-9<br>EC: Non-applicable | % (w/w) ≥ 0,6: Skin Corr. 1C - H314<br>0,06 ≤ % (w/w) < 0,6: Skin Irrit. 2 - H315<br>% (w/w) ≥ 0,6: Eye Dam. 1 - H318<br>0,06 ≤ % (w/w) < 0,6: Eye Irrit. 2 - H319<br>% (w/w) ≥ 0,0015: Skin Sens. 1A - H317 |

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

| Identification                                                                                                                         | Acute toxicity                                                                  | Genus         |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------|
| 2,2'-oxybisethanol<br>CAS: 111-46-6<br>EC: 203-872-2                                                                                   | LD50 oral 500 mg/kg<br>LD50 dermal Not relevant<br>LC50 inhalation Not relevant | Rat           |
| 1,2-benzisothiazol-3(2H)-one<br>CAS: 2634-33-5<br>EC: 220-120-9                                                                        | LD50 oral 500 mg/kg<br>LD50 dermal Not relevant<br>LC50 inhalation Not relevant | Rat           |
| Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)<br>CAS: 55965-84-9<br>EC: Non-applicable | LD50 oral 64 mg/kg<br>LD50 dermal 87,12 mg/kg<br>LC50 inhalation Not relevant   | Rat<br>Rabbit |

**SECTION 4: FIRST AID MEASURES**

**4.1 Description of first aid measures:**

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

**By inhalation:**

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

**By skin contact:**

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

**By eye contact:**

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

- CONTINUED ON NEXT PAGE -

## SECTION 4: FIRST AID MEASURES (continued)

### By ingestion/aspiration:

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

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

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

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

Not relevant

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media:

#### Suitable extinguishing media:

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

#### Unsuitable extinguishing media:

Non-applicable

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

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

### 5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

#### Additional provisions:

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

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

#### For non-emergency personnel:

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

#### For emergency responders:

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

### 6.2 Environmental precautions:

It is recommended to avoid environmental spillage of both the product and its container.

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

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

### 6.4 Reference to other sections:

See sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling:

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## SECTION 7: HANDLING AND STORAGE (continued)

### A.- General precautions for safe use

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

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

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

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

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

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

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

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

### A.- Specific storage requirements

Minimum Temp.: 5 °C  
Maximum Temp.: 35 °C  
Maximum time: 14 Months

### B.- General conditions for storage

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

## 7.3 Specific end use(s):

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

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters:

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

There are no applicable occupational exposure limits for the substances contained in the product

#### DNEL (Workers):

| Identification                                                  |            | Short exposure |              | Long exposure          |                      |
|-----------------------------------------------------------------|------------|----------------|--------------|------------------------|----------------------|
|                                                                 |            | Systemic       | Local        | Systemic               | Local                |
| 2,2'-oxybisethanol<br>CAS: 111-46-6<br>EC: 203-872-2            | Oral       | Not relevant   | Not relevant | Not relevant           | Not relevant         |
|                                                                 | Dermal     | Not relevant   | Not relevant | 43 mg/kg               | Not relevant         |
|                                                                 | Inhalation | Not relevant   | Not relevant | 44 mg/m <sup>3</sup>   | 60 mg/m <sup>3</sup> |
| 1,2-benzisothiazol-3(2H)-one<br>CAS: 2634-33-5<br>EC: 220-120-9 | Oral       | Not relevant   | Not relevant | Not relevant           | Not relevant         |
|                                                                 | Dermal     | Not relevant   | Not relevant | 0,966 mg/kg            | Not relevant         |
|                                                                 | Inhalation | Not relevant   | Not relevant | 6,81 mg/m <sup>3</sup> | Not relevant         |

#### DNEL (General population):

| Identification                                                  |            | Short exposure |              | Long exposure         |                      |
|-----------------------------------------------------------------|------------|----------------|--------------|-----------------------|----------------------|
|                                                                 |            | Systemic       | Local        | Systemic              | Local                |
| 2,2'-oxybisethanol<br>CAS: 111-46-6<br>EC: 203-872-2            | Oral       | Not relevant   | Not relevant | Not relevant          | Not relevant         |
|                                                                 | Dermal     | Not relevant   | Not relevant | 21 mg/kg              | Not relevant         |
|                                                                 | Inhalation | Not relevant   | Not relevant | 12 mg/m <sup>3</sup>  | 12 mg/m <sup>3</sup> |
| 1,2-benzisothiazol-3(2H)-one<br>CAS: 2634-33-5<br>EC: 220-120-9 | Oral       | Not relevant   | Not relevant | Not relevant          | Not relevant         |
|                                                                 | Dermal     | Not relevant   | Not relevant | 0,345 mg/kg           | Not relevant         |
|                                                                 | Inhalation | Not relevant   | Not relevant | 1,2 mg/m <sup>3</sup> | Not relevant         |

#### PNEC:

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

| Identification                                                  |              |              |                         |               |
|-----------------------------------------------------------------|--------------|--------------|-------------------------|---------------|
| 2,2'-oxybisethanol<br>CAS: 111-46-6<br>EC: 203-872-2            | STP          | 199,5 mg/L   | Fresh water             | 10 mg/L       |
|                                                                 | Soil         | 1,53 mg/kg   | Marine water            | 1 mg/L        |
|                                                                 | Intermittent | 10 mg/L      | Sediment (Fresh water)  | 20,9 mg/kg    |
|                                                                 | Oral         | Not relevant | Sediment (Marine water) | 2,09 mg/kg    |
| 1,2-benzisothiazol-3(2H)-one<br>CAS: 2634-33-5<br>EC: 220-120-9 | STP          | 1,03 mg/L    | Fresh water             | 0,00403 mg/L  |
|                                                                 | Soil         | 3 mg/kg      | Marine water            | 0,000403 mg/L |
|                                                                 | Intermittent | 0,0011 mg/L  | Sediment (Fresh water)  | 0,0499 mg/kg  |
|                                                                 | Oral         | Not relevant | Sediment (Marine water) | 0,00499 mg/kg |

**8.2 Exposure controls:**

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

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

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

| Pictogram                                                                                                       | PPE                                   | Labelling                                                                          | CEN Standard | Remarks                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>Mandatory hand protection | Protective gloves against minor risks |  |              | Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN ISO 21420:2020 and EN ISO 374-1:2016+A1:2018 |

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

D.- Eye and face protection

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

E.- Body protection

| Pictogram | PPE                  | Labelling                                                                           | CEN Standard      | Remarks                                                                                                                                                                                                                                                           |
|-----------|----------------------|-------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           | Work clothing        |  |                   | Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994. |
|           | Anti-slip work shoes |  | EN ISO 20347:2012 | Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007                                 |

F.- Additional emergency measures

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

**Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

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

### Volatile organic compounds:

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

|                           |                                   |
|---------------------------|-----------------------------------|
| V.O.C. (Supply):          | 0 % weight                        |
| V.O.C. density at 20 °C:  | 0,04 kg/m <sup>3</sup> (0,04 g/L) |
| Average carbon number:    | 4,1                               |
| Average molecular weight: | 113,67 g/mol                      |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

For complete information see the product datasheet.

#### Appearance:

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

#### Volatility:

|                                        |                         |
|----------------------------------------|-------------------------|
| Boiling point at atmospheric pressure: | 104 °C                  |
| Vapour pressure at 20 °C:              | 2328 Pa                 |
| Vapour pressure at 50 °C:              | 12267,78 Pa (12,27 kPa) |
| Evaporation rate at 20 °C:             | Not relevant *          |

#### Product description:

|                                              |                          |
|----------------------------------------------|--------------------------|
| Density at 20 °C:                            | 1066,4 kg/m <sup>3</sup> |
| Relative density at 20 °C:                   | 1,066                    |
| Dynamic viscosity at 20 °C:                  | Not relevant *           |
| Kinematic viscosity at 20 °C:                | Not relevant *           |
| Kinematic viscosity at 40 °C:                | >20,5 mm <sup>2</sup> /s |
| Concentration:                               | Not relevant *           |
| pH:                                          | Not relevant *           |
| Vapour density at 20 °C:                     | Not relevant *           |
| Partition coefficient n-octanol/water 20 °C: | Not relevant *           |
| Solubility in water at 20 °C:                | Not relevant *           |
| Solubility properties:                       | Not relevant *           |
| Decomposition temperature:                   | Not relevant *           |
| Melting point/freezing point:                | Not relevant *           |

#### Flammability:

|                            |                        |
|----------------------------|------------------------|
| Flash Point:               | Non Flammable (>60 °C) |
| Flammability (solid, gas): | Not relevant *         |
| Autoignition temperature:  | 229 °C                 |
| Lower flammability limit:  | Not relevant *         |
| Upper flammability limit:  | Not relevant *         |

#### Particle characteristics:

|                             |                |
|-----------------------------|----------------|
| Median equivalent diameter: | Non-applicable |
|-----------------------------|----------------|

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

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

### 9.2 Other information:

#### Information with regard to physical hazard classes:

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

#### Other safety characteristics:

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

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

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity:

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

### 10.2 Chemical stability:

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

### 10.3 Possibility of hazardous reactions:

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

### 10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

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

### 10.5 Incompatible materials:

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

### 10.6 Hazardous decomposition products:

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

## SECTION 11: TOXICOLOGICAL INFORMATION

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

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

#### Dangerous health implications:

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

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

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

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

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## SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract
- C- Contact with the skin and the eyes (acute effect):
  - Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
  - Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
  - Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.  
IARC: Distillates (petroleum), solvent-dewaxed heavy paraffinic, < 3% DMSO (3); Distillates (petroleum), solvent-refined light paraffinic, < 3 % IP 346, < 20.5 cSt @ 40°C (3); Ethyl acrylate (2B)
  - Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
  - Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- E- Sensitizing effects:
  - Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
  - Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.
- F- Specific target organ toxicity (STOT) - single exposure:  
Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- G- Specific target organ toxicity (STOT)-repeated exposure:
  - Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
  - Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- H- Aspiration hazard:  
Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

### Other information:

Not relevant

### Specific toxicology information on the substances:

| Identification                                                                                                                         | Acute toxicity  |                  | Genus  |
|----------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------|--------|
| 2,2'-oxybisethanol<br>CAS: 111-46-6<br>EC: 203-872-2                                                                                   | LD50 oral       | 500 mg/kg (ATEi) | Rat    |
|                                                                                                                                        | LD50 dermal     | 11890 mg/kg      | Rabbit |
|                                                                                                                                        | LC50 inhalation | >20 mg/L         |        |
| 1,2-benzisothiazol-3(2H)-one<br>CAS: 2634-33-5<br>EC: 220-120-9                                                                        | LD50 oral       | 500 mg/kg        | Rat    |
|                                                                                                                                        | LD50 dermal     | >2000 mg/kg      |        |
|                                                                                                                                        | LC50 inhalation | >5 mg/L          |        |
| Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)<br>CAS: 55965-84-9<br>EC: Non-applicable | LD50 oral       | 64 mg/kg         | Rat    |
|                                                                                                                                        | LD50 dermal     | 87,12 mg/kg      | Rabbit |
|                                                                                                                                        | LC50 inhalation | 0,33 mg/L (4 h)  | Rat    |

### Acute Toxicity Estimate (ATE mix):

| ATE mix    |                                     | Ingredient(s) of unknown toxicity |
|------------|-------------------------------------|-----------------------------------|
| Oral       | 20000 mg/kg (Calculation method)    | 0 %                               |
| Dermal     | >2000 mg/kg (Calculation method)    | Non-applicable                    |
| Inhalation | >20 mg/L (4 h) (Calculation method) | Non-applicable                    |

### 11.2 Information on other hazards:

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## SECTION 11: TOXICOLOGICAL INFORMATION (continued)

### Endocrine disrupting properties

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

### Other information

Not relevant

## SECTION 12: ECOLOGICAL INFORMATION

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

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

### 12.1 Toxicity:

#### Acute toxicity:

| Identification                                                                                                                         | Concentration             | Species          | Genus      |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------|------------|
| 2,2' -oxybisethanol<br>CAS: 111-46-6<br>EC: 203-872-2                                                                                  | LC50 32000 mg/L (96 h)    | Gambusia affinis | Fish       |
|                                                                                                                                        | EC50 84000 mg/L (48 h)    | Daphnia magna    | Crustacean |
|                                                                                                                                        | EC50 Not relevant         |                  |            |
| 1,2-benzisothiazol-3(2H)-one<br>CAS: 2634-33-5<br>EC: 220-120-9                                                                        | LC50 >0.1 - 1 mg/L (96 h) |                  | Fish       |
|                                                                                                                                        | EC50 >0.1 - 1 mg/L (48 h) |                  | Crustacean |
|                                                                                                                                        | EC50 >0.1 - 1 mg/L (72 h) |                  | Algae      |
| Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)<br>CAS: 55965-84-9<br>EC: Non-applicable | LC50 >0.1 - 1 mg/L (96 h) |                  | Fish       |
|                                                                                                                                        | EC50 >0.1 - 1 mg/L (48 h) |                  | Crustacean |
|                                                                                                                                        | EC50 >0.1 - 1 mg/L (72 h) |                  | Algae      |

#### Chronic toxicity:

| Identification                                     | Concentration     | Species            | Genus      |
|----------------------------------------------------|-------------------|--------------------|------------|
| 2,2' -oxybisethanol<br>CAS: 111-46-6 EC: 203-872-2 | NOEC Not relevant |                    |            |
|                                                    | NOEC 8590 mg/L    | Ceriodaphnia dubia | Crustacean |

### 12.2 Persistence and degradability:

#### Substance-specific information:

| Identification                                                  | Degradability         | Biodegradability       |
|-----------------------------------------------------------------|-----------------------|------------------------|
| 2,2' -oxybisethanol<br>CAS: 111-46-6<br>EC: 203-872-2           | BOD5 0,05 g O2/g      | Concentration 100 mg/L |
|                                                                 | COD 1,51 g O2/g       | Period 28 days         |
|                                                                 | BOD5/COD 0,03         | % Biodegradable 90 %   |
| 1,2-benzisothiazol-3(2H)-one<br>CAS: 2634-33-5<br>EC: 220-120-9 | BOD5 Not relevant     | Concentration 100 mg/L |
|                                                                 | COD Not relevant      | Period 28 days         |
|                                                                 | BOD5/COD Not relevant | % Biodegradable 0 %    |

### 12.3 Bioaccumulative potential:

#### Substance-specific information:

| Identification                                                  | Bioaccumulation potential |
|-----------------------------------------------------------------|---------------------------|
| 2,2' -oxybisethanol<br>CAS: 111-46-6<br>EC: 203-872-2           | BCF 0                     |
|                                                                 | Pow Log -1.47             |
|                                                                 | Potential Low             |
| 1,2-benzisothiazol-3(2H)-one<br>CAS: 2634-33-5<br>EC: 220-120-9 | BCF 2                     |
|                                                                 | Pow Log 1.45              |
|                                                                 | Potential Low             |

### 12.4 Mobility in soil:

| Identification                                        | Absorption/desorption                | Volatility                           |
|-------------------------------------------------------|--------------------------------------|--------------------------------------|
| 2,2' -oxybisethanol<br>CAS: 111-46-6<br>EC: 203-872-2 | Koc 1                                | Henry 2,06E-4 Pa·m <sup>3</sup> /mol |
|                                                       | Conclusion Very High                 | Dry soil No                          |
|                                                       | Surface tension 4,954E-2 N/m (25 °C) | Moist soil No                        |

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## SECTION 12: ECOLOGICAL INFORMATION (continued)

### 12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

### 12.6 Endocrine disrupting properties:

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

### 12.7 Other adverse effects:

Not described

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods:

| Code | Description                                                                                 | Waste class (Regulation (EU) No 1357/2014) |
|------|---------------------------------------------------------------------------------------------|--------------------------------------------|
|      | It is not possible to assign a specific code, as it depends on the intended use by the user | Non-hazardous                              |

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

Not relevant

#### Waste management (disposal and evaluation):

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

#### Regulations related to waste management:

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

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

## SECTION 14: TRANSPORT INFORMATION

### Transport of dangerous goods by land:

With regard to ADR 2023 and RID 2023:

- 14.1 UN number or ID number:** Not relevant
- 14.2 UN proper shipping name:** Not relevant
- 14.3 Transport hazard class(es):** Not relevant
- Labels:** Not relevant
- 14.4 Packing group:** Not relevant
- 14.5 Environmental hazards:** No
- 14.6 Special precautions for user**
  - Special regulations: Not relevant
  - Tunnel restriction code: Not relevant
  - Physico-Chemical properties: see section 9
  - Limited quantities: Not relevant
- 14.7 Maritime transport in bulk according to IMO instruments:** Not relevant

### Transport of dangerous goods by sea:

With regard to IMDG 41-22:

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## SECTION 14: TRANSPORT INFORMATION (continued)

|                                                                      |               |
|----------------------------------------------------------------------|---------------|
| <b>14.1 UN number or ID number:</b>                                  | Not relevant  |
| <b>14.2 UN proper shipping name:</b>                                 | Not relevant  |
| <b>14.3 Transport hazard class(es):</b>                              | Not relevant  |
| Labels:                                                              | Not relevant  |
| <b>14.4 Packing group:</b>                                           | Not relevant  |
| <b>14.5 Marine pollutant:</b>                                        | No            |
| <b>14.6 Special precautions for user</b>                             |               |
| Special regulations:                                                 | Not relevant  |
| EmS Codes:                                                           |               |
| Physico-Chemical properties:                                         | see section 9 |
| Limited quantities:                                                  | Not relevant  |
| Segregation group:                                                   | Not relevant  |
| <b>14.7 Maritime transport in bulk according to IMO instruments:</b> | Not relevant  |

### Transport of dangerous goods by air:

With regard to IATA/ICAO 2024:

|                                                                      |               |
|----------------------------------------------------------------------|---------------|
| <b>14.1 UN number or ID number:</b>                                  | Not relevant  |
| <b>14.2 UN proper shipping name:</b>                                 | Not relevant  |
| <b>14.3 Transport hazard class(es):</b>                              | Not relevant  |
| Labels:                                                              | Not relevant  |
| <b>14.4 Packing group:</b>                                           | Not relevant  |
| <b>14.5 Environmental hazards:</b>                                   | No            |
| <b>14.6 Special precautions for user</b>                             |               |
| Physico-Chemical properties:                                         | see section 9 |
| <b>14.7 Maritime transport in bulk according to IMO instruments:</b> | Not relevant  |

## SECTION 15: REGULATORY INFORMATION

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

- Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains 1,2-benzisothiazol-3(2H)-one, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 2-methyl-2H-isothiazol-3-one.
- Article 95, REGULATION (EU) No 528/2012: *1,2-benzisothiazol-3(2H)-one (2634-33-5) - PT: (2,6,9,11,12,13) ; Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) - PT: (2,4,6,11,12,13)*
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

#### Seveso III:

Not relevant

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

Not relevant

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

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

#### Other legislation:

The product could be affected by sectorial legislation

### 15.2 Chemical safety assessment:

- CONTINUED ON NEXT PAGE -

## SECTION 15: REGULATORY INFORMATION (continued)

The supplier has not carried out evaluation of chemical safety.

## SECTION 16: OTHER INFORMATION

### Legislation related to safety data sheets:

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

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

Not relevant

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

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

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

Acute Tox. 2: H310+H330 - Fatal in contact with skin or if inhaled.

Acute Tox. 3: H301 - Toxic if swallowed.

Acute Tox. 4: H302 - Harmful if swallowed.

Aquatic Acute 1: H400 - Very toxic to aquatic life.

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Eye Dam. 1: H318 - Causes serious eye damage.

Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.

Skin Irrit. 2: H315 - Causes skin irritation.

Skin Sens. 1: H317 - May cause an allergic skin reaction.

Skin Sens. 1A: H317 - May cause an allergic skin reaction.

### Classification procedure:

Not relevant

### Advice related to training:

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

### Principal bibliographical sources:

<http://echa.europa.eu>

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

### Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

LC50: Lethal Concentration 50

EC50: Effective concentration 50

LogPOW: Octanolwater partition coefficient

Koc: Partition coefficient of organic carbon

UFI: unique formula identifier

IARC: International Agency for Research on Cancer

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

- END OF SAFETY DATA SHEET -