




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

- 1.1 Product identifier:** PROTECTIVE PAINT C-BASE  
**Other means of identification:**  
 Non-applicable
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
 Relevant uses: Paints and varnishes  
 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:**  
 Fescon Oy  
 Hämeenkatu 9  
 FI-05820 Hyvinkää - Suomi - Finland  
 Phone: +358 (0)20 789 5900 - Fax: +358 (0)20 789 5909  
 fescon@fescon.fi  
 www.fescon.fi
- 1.4 Emergency telephone number:** 112

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

- 2.1 Classification of the substance or mixture:**  
**CLP Regulation (EC) No 1272/2008:**  
 Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.  
 Eye Irrit. 2: Eye irritation, Category 2, H319  
 Skin Irrit. 2: Skin irritation, Category 2, H315  
 Skin Sens. 1: Sensitisation, skin, Category 1, H317
- 2.2 Label elements:**  
**CLP Regulation (EC) No 1272/2008:**  
**Warning**  
  
**Hazard statements:**  
 Eye Irrit. 2: H319 - Causes serious eye irritation.  
 Skin Irrit. 2: H315 - Causes skin irritation.  
 Skin Sens. 1: H317 - May cause an allergic skin reaction.  
**Precautionary statements:**  
 P101: If medical advice is needed, have product container or label at hand.  
 P102: Keep out of reach of children.  
 P280: Wear protective gloves.  
 P284: Wear respiratory protection.  
 P302+P352: IF ON SKIN: Wash with plenty of water.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**Supplementary information:**  
 Contains 1,2-benzisothiazol-3(2H)-one, 3-iodo-2-propynyl Butylcarbamate, 4,5-dichloro-2-octyl-2H-isothiazol-3-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1).  
 EUH211: Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.  
**Substances that contribute to the classification**  
 2-oktyyli-2H-isotiatsol-3-onia (OIT)  
**UFI:** 3WEP-SGKV-3ACN-ATV2  
**Additional labeling:**  
 This product contains a biocidal product for the preservation of the product during storage. Contains BIT, C(M)IT/MIT (3:1).
- 2.3 Other hazards:**

\*\* Changes with regards to the previous version

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**SECTION 2: HAZARDS IDENTIFICATION \*\* (continued)**

Product fails to meet PBT/vPvB criteria

\*\* Changes with regards to the previous version

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

**3.1 Substance:**

Non-applicable

**3.2 Mixture:**

**Chemical description:** Mixture of substances

**Components:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

| Identification  | Chemical name/Classification   | Concentration               |
|---|--|-----------------------------|
| CAS: 111-82-0<br>EC: 203-911-3<br>Index: Non-applicable<br>REACH: 01-2119487989-06-XXXX | <b>Methyl laurate</b> <input type="checkbox"/> <sup>1</sup> <input type="checkbox"/><br>Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 2: H411 - Warning  | Self-classified<br><0,3 %   |
| CAS: 64359-81-5<br>EC: 264-843-8<br>Index: 613-335-00-8<br>REACH: Non-applicable        | <b>4,5-dichloro-2-octyl-2H-isothiazol-3-one</b> <input type="checkbox"/> <sup>1</sup> <input type="checkbox"/><br>Regulation 1272/2008 Acute Tox. 2: H330; Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1: H314; Skin Sens. 1A: H317; EUH071 - Danger  | ATP ATP15<br><0,1 %         |
| CAS: 55406-53-6<br>EC: 259-627-5<br>Index: 616-212-00-7<br>REACH: 01-2120762115-60-XXXX | <b>3-iodo-2-propynyl Butylcarbamate</b> <input type="checkbox"/> <sup>1</sup> <input type="checkbox"/><br>Regulation 1272/2008 Acute Tox. 3: H331; Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Sens. 1: H317; STOT RE 1: H372 - Danger  | ATP ATP06<br><0,1 %         |
| 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</b> <input type="checkbox"/> <sup>1</sup> <input type="checkbox"/><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   | Self-classified<br><0,05 %  |
| 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)</b> <input type="checkbox"/> <sup>1</sup> <input type="checkbox"/><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 | ATP ATP13<br><0,001 %       |
| CAS: 26530-20-1<br>EC: 247-761-7<br>Index: 613-112-00-5<br>REACH: Non-applicable        | <b>2-oktyyli-2H-isotiatsol-3-onia (OIT)</b> <input type="checkbox"/> <sup>2</sup> <input type="checkbox"/><br>Regulation 1272/2008 Acute Tox. 3: H311+H331; Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Corr. 1B: H314; Skin Sens. 1: H317 - Danger   | Self-classified<br><0,001 % |

<sup>1</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830  
 <sup>2</sup> Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2015/830

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

\*\* Changes with regards to the previous version

**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:**

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

**By eye contact:**

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

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

**By ingestion/aspiration:**

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

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

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

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

Non-applicable

#### 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:**

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

**For emergency responders:**

See section 8.

**6.2 Environmental precautions:**

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

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

It is recommended:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

**6.4 Reference to other sections:**

See sections 8 and 13.

#### SECTION 7: HANDLING AND STORAGE

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**SECTION 7: HANDLING AND STORAGE (continued)**

**7.1 Precautions for safe handling:**

A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

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

Due to its inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

C.- Technical recommendations to prevent ergonomic and toxicological risks

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

D.- Technical recommendations to prevent environmental risks

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal See sections 8 and 13.

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

A.- Technical measures for storage

Store in a cool, dry, well-ventilated location

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):

Nuisance dust: Inhalable dust 10 mg/m<sup>3</sup> // Respirable dust 4 mg/m<sup>3</sup>

**DNEL (Workers):**

| Identification   |            | Short exposure         |                        | Long exposure           |                        |
|--|------------|------------------------|------------------------|-------------------------|------------------------|
|  |            | Systemic               | Local                  | Systemic                | Local                  |
| 3-iodo-2-propynyl Butylcarbamate<br>CAS: 55406-53-6<br>EC: 259-627-5 | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable         |
|  | Dermal     | Non-applicable         | Non-applicable         | 2 mg/kg                 | Non-applicable         |
|  | Inhalation | 0,07 mg/m <sup>3</sup> | 1,16 mg/m <sup>3</sup> | 0,023 mg/m <sup>3</sup> | 1,16 mg/m <sup>3</sup> |
| 1,2-benzisothiazol-3(2H)-one<br>CAS: 2634-33-5<br>EC: 220-120-9      | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable         |
|  | Dermal     | Non-applicable         | Non-applicable         | 0,966 mg/kg             | Non-applicable         |
|  | Inhalation | Non-applicable         | Non-applicable         | 6,81 mg/m <sup>3</sup>  | Non-applicable         |

**DNEL (General population):**

| Identification  |            | Short exposure |                | Long exposure         |                |
|---|------------|----------------|----------------|-----------------------|----------------|
|   |            | Systemic       | Local          | Systemic              | Local          |
| 1,2-benzisothiazol-3(2H)-one<br>CAS: 2634-33-5<br>EC: 220-120-9 | Oral       | Non-applicable | Non-applicable | Non-applicable        | Non-applicable |
|   | Dermal     | Non-applicable | Non-applicable | 0,345 mg/kg           | Non-applicable |
|   | Inhalation | Non-applicable | Non-applicable | 1,2 mg/m <sup>3</sup> | Non-applicable |

**PNEC:**

| Identification                                   |              |             |                         |             |
|--|--------------|-------------|-------------------------|-------------|
| Methyl laurate<br>CAS: 111-82-0<br>EC: 203-911-3 | STP          | 100 mg/L    | Fresh water             | 0,001 mg/L  |
|  | Soil         | 10 mg/kg    | Marine water            | 0 mg/L      |
|  | Intermittent | 0,003 mg/L  | Sediment (Fresh water)  | 0,011 mg/kg |
|  | Oral         | 0,0333 g/kg | Sediment (Marine water) | 0,001 mg/kg |

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

| Identification   |              |                |                         |               |
|--|--------------|----------------|-------------------------|---------------|
| 3-iodo-2-propynyl Butylcarbamate<br>CAS: 55406-53-6<br>EC: 259-627-5     | STP          | 0,44 mg/L      | Fresh water             | 0,001 mg/L    |
|  | Soil         | 0,005 mg/kg    | Marine water            | 0 mg/L        |
|  | Intermittent | 0,001 mg/L     | Sediment (Fresh water)  | 0,017 mg/kg   |
|  | Oral         | Non-applicable | Sediment (Marine water) | 0,002 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         | Non-applicable | Sediment (Marine water) | 0,00499 mg/kg |
| 2-oktyyli-2H-isotiatsol-3-onia (OIT)<br>CAS: 26530-20-1<br>EC: 247-761-7 | STP          | Non-applicable | Fresh water             | 0,0022 mg/L   |
|  | Soil         | 0,0082 mg/kg   | Marine water            | 0,00022 mg/L  |
|  | Intermittent | 0,00122 mg/L   | Sediment (Fresh water)  | 0,0475 mg/kg  |
|  | Oral         | Non-applicable | Sediment (Marine water) | 0,00475 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**

| Pictogram                                  | PPE                               | Labelling | CEN Standard        | Remarks  |
|--|-----------------------------------|-----------|---------------------|--|
| <br>Mandatory respiratory tract protection | Filter mask for gases and vapours |           | EN 405:2002+A1:2010 | Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment. |

**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 420:2004+A1:2010 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.- Ocular and facial 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**

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

| 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

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

**Appearance:**

|                          |                  |
|--------------------------|------------------|
| Physical state at 20 °C: | Solid            |
| Appearance:              | Dispersion       |
| Colour:                  | Not available    |
| Odour:                   | Characteristic   |
| Odour threshold:         | Non-applicable * |

**Volatility:**

|  |                  |
|--|------------------|
| Boiling point at atmospheric pressure: | Non-applicable * |
| Vapour pressure at 20 °C:              | Non-applicable * |
| Vapour pressure at 50 °C:              | Non-applicable * |
| Evaporation rate at 20 °C:             | Non-applicable * |

**Product description:**

|  |                  |
|--|------------------|
| Density at 20 °C:                            | Non-applicable * |
| Relative density at 20 °C:                   | Non-applicable * |
| Dynamic viscosity at 20 °C:                  | Non-applicable * |
| Kinematic viscosity at 20 °C:                | Non-applicable * |
| Kinematic viscosity at 40 °C:                | Non-applicable * |
| Concentration:                               | Non-applicable * |
| pH:  | Non-applicable * |
| Vapour density at 20 °C:                     | Non-applicable * |
| Partition coefficient n-octanol/water 20 °C: | Non-applicable * |
| Solubility in water at 20 °C:                | Non-applicable * |
| Solubility properties:                       | Non-applicable * |
| Decomposition temperature:                   | Non-applicable * |
| Melting point/freezing point:                | Non-applicable * |

**Flammability:**

|                            |                  |
|----------------------------|------------------|
| Flash Point:               | Non-applicable   |
| Flammability (solid, gas): | Non-applicable * |
| Autoignition temperature:  | Non-applicable * |
| Lower flammability limit:  | Non-applicable * |
| Upper flammability limit:  | Non-applicable * |

**Explosive (Solid):**

|                        |                  |
|------------------------|------------------|
| Lower explosive limit: | Non-applicable * |
| Upper explosive limit: | 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)**

**Particle characteristics:**

Median equivalent diameter: Non-applicable \*

**9.2 Other information:**

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

Explosive properties: Non-applicable \*

Oxidising properties: Non-applicable \*

Corrosive to metals: Non-applicable \*

Heat of combustion: Non-applicable \*

Aerosols-total percentage (by mass) of flammable components: Non-applicable \*

**Other safety characteristics:**

Surface tension at 20 °C: Non-applicable \*

Refraction index: Non-applicable \*

\*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.

**10.2 Chemical stability:**

Chemically stable under the 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 toxicological effects:**

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: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

\*\* Changes with regards to the previous version



**SECTION 11: TOXICOLOGICAL INFORMATION \*\* (continued)**

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous 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: Produces skin inflammation.
  - Contact with the eyes: Produces eye damage after contact.
- 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 dangerous for the effects mentioned. For more information see section 3.  
IARC: Non-applicable
  - Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous 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 dangerous 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 dangerous with sensitising effects. For more information see section 3.
  - Cutaneous: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.
- 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 dangerous 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. However, it does contain substances which are classified as dangerous due to repetitive exposure. 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 dangerous 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 dangerous for this effect. For more information see section 3.

**Other information:**

Non-applicable

**Specific toxicology information on the substances:**

| Identification   | Acute toxicity  |                        | Genus  |
|--|-----------------|------------------------|--------|
|  | LD50 oral       | LD50 dermal            |        |
| 4,5-dichloro-2-octyl-2H-isothiazol-3-one<br>CAS: 64359-81-5<br>EC: 264-843-8   | LD50 oral       | 567 mg/kg              |        |
|  | LD50 dermal     | Non-applicable         |        |
|  | LC50 inhalation | 0,05 mg/L (4 h) (ATEi) |        |
| 3-iodo-2-propynyl Butylcarbamate<br>CAS: 55406-53-6<br>EC: 259-627-5   | LD50 oral       | 1100 mg/kg             | Rat    |
|  | LD50 dermal     | 2100 mg/kg             | Rabbit |
|  | LC50 inhalation | 0,5 mg/L (4 h) (ATEi)  |        |
| 1,2-benzisothiazol-3(2H)-one<br>CAS: 2634-33-5<br>EC: 220-120-9  | LD50 oral       | 500 mg/kg              | Rat    |
|  | LD50 dermal     | Non-applicable         |        |
|  | LC50 inhalation | Non-applicable         |        |
| 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    |
| <i>** Changes with regards to the previous version</i><br>CAS: 26530-20-1<br>EC: 247-761-7   | LD50 oral       | 2200 mg/kg             |        |
|  | LD50 dermal     | Non-applicable         |        |
|  | LC50 inhalation | Non-applicable         |        |

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

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**SECTION 12: ECOLOGICAL INFORMATION \*\***

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

**12.1 Toxicity:**

**Acute toxicity:**

| Identification   | Concentration |                    | Species                         | Genus      |
|--|---------------|--------------------|---------------------------------|------------|
|  | LC50          | EC50               |                                 |            |
| Methyl laurate<br>CAS: 111-82-0<br>EC: 203-911-3   | LC50          | >0.1 - 1 (96 h)    |                                 | Fish       |
|  | EC50          | >0.1 - 1 (48 h)    |                                 | Crustacean |
|  | EC50          | >0.1 - 1 (72 h)    |                                 | Algae      |
| 4,5-dichloro-2-octyl-2H-isothiazol-3-one<br>CAS: 64359-81-5<br>EC: 264-843-8   | LC50          | 0.0078 mg/L (96 h) | Oncorhynchus mykiss             | Fish       |
|  | EC50          | 0.0097 mg/L (48 h) | Daphnia magna                   | Crustacean |
|  | EC50          | 0.025 mg/L (72 h)  | Scenedesmus subspicatus         | Algae      |
| 3-iodo-2-propynyl Butylcarbamate<br>CAS: 55406-53-6<br>EC: 259-627-5   | LC50          | 0.07 mg/L (96 h)   | Oncorhynchus mykiss             | Fish       |
|  | EC50          | 0.09 mg/L (96 h)   | Mysidopsis bahia                | Crustacean |
|  | EC50          | 0.05 mg/L (72 h)   | Scenedesmus subspicatus         | Algae      |
| 1,2-benzisothiazol-3(2H)-one<br>CAS: 2634-33-5<br>EC: 220-120-9  | LC50          | 2.2 mg/L (96 h)    | Oncorhynchus mykiss             | Fish       |
|  | EC50          | 3 mg/L (48 h)      | Daphnia magna                   | Crustacean |
|  | EC50          | 0.067 mg/L (72 h)  | Pseudokirchneriella subcapitata | Algae      |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)<br>CAS: 55965-84-9<br>EC: Non-applicable | LC50          | >0.1 - 1 (96 h)    |                                 | Fish       |
|  | EC50          | >0.1 - 1 (48 h)    |                                 | Crustacean |
|  | EC50          | >0.1 - 1 (72 h)    |                                 | Algae      |
| 2-oktyyli-2H-isotiatsol-3-onia (OIT)<br>CAS: 26530-20-1<br>EC: 247-761-7   | LC50          | 2.6 mg/L (96 h)    | N/A                             | Fish       |
|  | EC50          | 0.5 mg/L (48 h)    | N/A                             | Crustacean |
|  | EC50          | 0.2 mg/L (96 h)    | N/A                             | Algae      |

**Chronic toxicity:**

| Identification  | Concentration |             | Species             | Genus      |
|---|---------------|-------------|---------------------|------------|
|   | NOEC          | EC50        |                     |            |
| 3-iodo-2-propynyl Butylcarbamate<br>CAS: 55406-53-6 EC: 259-627-5 | NOEC          | 0.0084 mg/L | Pimephales promelas | Fish       |
|   | NOEC          | 0.0499 mg/L | Daphnia magna       | Crustacean |

**12.2 Persistence and degradability:**

| Identification  | Degradability |                | Biodegradability |          |
|---|---------------|----------------|------------------|----------|
|   | BOD5          | COD            | Concentration    | Period   |
| 1,2-benzisothiazol-3(2H)-one<br>CAS: 2634-33-5<br>EC: 220-120-9 | BOD5          | Non-applicable | Concentration    | 100 mg/L |
|   | COD           | Non-applicable | Period           | 28 days  |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 0 %      |

**12.3 Bioaccumulative potential:**

\*\* Changes with regards to the previous version



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

| Identification   | Bioaccumulation potential |          |
|--|---------------------------|----------|
| 3-iodo-2-propynyl Butylcarbamate<br>CAS: 55406-53-6<br>EC: 259-627-5 | BCF                       | 36       |
|  | Pow Log                   | 2.4      |
|  | Potential                 | Moderate |
| 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 |                |
|--|-----------------------|---------------------|------------|----------------|
| Methyl laurate<br>CAS: 111-82-0<br>EC: 203-911-3 | Koc                   | Non-applicable      | Henry      | Non-applicable |
|  | Conclusion            | Non-applicable      | Dry soil   | Non-applicable |
|  | Surface tension       | 5,87E-2 N/m (25 °C) | Moist soil | Non-applicable |

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

Product fails to meet PBT/vPvB criteria

**12.6 Other adverse effects:**

Not described

\*\* Changes with regards to the previous version

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods:**

| Code     | Description  | Waste class (Regulation (EU) No 1357/2014) |
|----------|--|--|
| 08 01 12 | waste paint and varnish other than those mentioned in 08 01 11 | Non dangerous                              |

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

Non-applicable

**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-dangerous residue. We do not recommended disposal down the drain. 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

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### SECTION 14: TRANSPORT INFORMATION

**Transport of dangerous goods by land:**

With regard to ADR 2021 and RID 2021:

- 14.1 UN number:** Non-applicable
- 14.2 UN proper shipping name:** Non-applicable
- 14.3 Transport hazard class(es):** Non-applicable
- Labels: Non-applicable
- 14.4 Packing group:** Non-applicable
- 14.5 Environmental hazards:** No
- 14.6 Special precautions for user**
- Special regulations: Non-applicable
- Tunnel restriction code: Non-applicable
- Physico-Chemical properties: see section 9
- Limited quantities: Non-applicable
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

**Transport of dangerous goods by sea:**

With regard to IMDG 39-18:



- 14.1 UN number:** UN2811
- 14.2 UN proper shipping name:** TOXIC SOLID, ORGANIC, N.O.S. (4,5-dichloro-2-octyl-2H-isothiazol-3-one; Methyl laurate)
- 14.3 Transport hazard class(es):** 6.1
- Labels: 6.1
- 14.4 Packing group:** II
- 14.5 Marine pollutant:** Yes
- 14.6 Special precautions for user**
- Special regulations: 274
- EmS Codes: F-A, S-A
- Physico-Chemical properties: see section 9
- Limited quantities: 500 g
- Segregation group: Non-applicable
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2021:



- 14.1 UN number:** UN2811
- 14.2 UN proper shipping name:** TOXIC SOLID, ORGANIC, N.O.S. (4,5-dichloro-2-octyl-2H-isothiazol-3-one; Methyl laurate)
- 14.3 Transport hazard class(es):** 6.1
- Labels: 6.1
- 14.4 Packing group:** II
- 14.5 Environmental hazards:** Yes
- 14.6 Special precautions for user**
- Physico-Chemical properties: see section 9
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

### 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 4,5-dichloro-2-octyl-2H-isothiazol-3-one, 1,2-benzisothiazol-3(2H)-one, 3-iodo-2-propynyl Butylcarbamate, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 2-oktyyli-2H-isotiatsol-3-onia (OIT).

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## SECTION 15: REGULATORY INFORMATION (continued)

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: 4,5-dichloro-2-octyl-2H-isothiazol-3-one (Product-type 7, 8, 9, 10, 11, 21) ; 3-iodo-2-propynyl Butylcarbamate (Product-type 6, 7, 8, 9, 10, 13) ; 1,2-benzisothiazol-3(2H)-one (Product-type 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) (Product-type 2, 4, 6, 11, 12, 13) ; 2-oktyyli-2H-isotiatsol-3-onia (OIT) (Product-type 6, 7, 8, 9, 10, 11, 13)

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

**Seveso III:**

Non-applicable

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

Non-applicable

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

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

**Other legislation:**

The product could be affected by sectorial legislation

**15.2 Chemical safety assessment:**

The supplier has not carried out evaluation of chemical safety.

## SECTION 16: OTHER INFORMATION

**Legislation related to safety data sheets:**

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (Regulation (EC) No 2015/830).

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

COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3, SECTION 11, SECTION 12):

- New declared substances  
2-oktyyli-2H-isotiatsol-3-onia (OIT) (26530-20-1)

Substances that contribute to the classification (SECTION 2):

- New declared substances  
2-oktyyli-2H-isotiatsol-3-onia (OIT) (26530-20-1)

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

H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H317: May cause an allergic skin reaction.

**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:**



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

Acute Tox. 2: H310+H330 - Fatal in contact with skin or if inhaled.  
 Acute Tox. 2: H330 - Fatal if inhaled.  
 Acute Tox. 3: H301 - Toxic if swallowed.  
 Acute Tox. 3: H311+H331 - Toxic in contact with skin or if inhaled.  
 Acute Tox. 3: H331 - Toxic if inhaled.  
 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.  
 Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.  
 Eye Dam. 1: H318 - Causes serious eye damage.  
 Skin Corr. 1: H314 - Causes severe skin burns and eye damage.  
 Skin Corr. 1B: H314 - Causes severe skin burns and 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.  
 STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure.

**Advice related to training:**

Minimal 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 -