Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

# **SAFETY DATA SHEET**



DRYWOOD OPTIFINISH TR MATT - BASE T

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

### 1.1 Product identifier Product name

: 🗗 RYWOOD OPTIFINISH TR MATT - BASE T

**1.2 Relevant identified uses of the substance or mixture and uses advised againstProduct use**: Paint.

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

Teknos Group Oy, Takkatie 3, FI-00370 HELSINKI, FINLAND. Tel. +358 9 506 091. e-mail address of person : Prod-safe@teknos.com

# responsible for this SDS

National contact Teknos Group Oy, Takkatie 3, FI-00370 HELSINKI, FINLAND. Tel. +358 9 506 091.

### 1.4 Emergency telephone number

#### National advisory body/Poison Centre

Telephone number: In an emergency, call 112

### **SECTION 2: Hazards identification**

### 2.1 Classification of the substance or mixture

Product definition : Mixture

### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Skin Sens. 1, H317

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

Hazard pictograms



| Signal word              | : Warning   |
|--------------------------|---|
| Hazard statements        | : H317 - May cause an allergic skin reaction.   |
| Precautionary statements |   |
| Prevention               | : P280 - Wear protective gloves.<br>P261 - Avoid breathing vapour.  |
| Response                 | <ul> <li>P362 + P364 - Take off contaminated clothing and wash it before reuse.</li> <li>P302 + P352 - IF ON SKIN: Wash with plenty of water.</li> <li>P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention.</li> </ul> |
| Storage                  | : Not applicable.   |
| Disposal                 | <ul> <li>P501 - Dispose of contents and container in accordance with all local, regional,<br/>national and international regulations.</li> </ul>  |
| Hazardous ingredients    | : Contains: EO bis(benztriazolyl)phenylpropionat; adipohydrazide; 1,2-benzisothiazol-3 (2H)-one and 2-Methyl-1,2-benzisothiazol-3(2H)-one   |

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|----------------------------------|--------------|------------------------|--------------|------------|---------------|
| <b>P</b> RYWOOD OPTIFINISH TR MA | TT - BASE T  |                        |              | Label No : | 7464          |

#### SECTION 2: Hazards identification : Contains biocidal products for in-can preservation: BIT and DTBMA and MBIT. Supplemental label elements **Annex XVII - Restrictions** : on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles 2.3 Other hazards Product meets the criteria : This mixture does not contain any substances that are assessed to be a PBT or a for PBT or vPvB according vPvB. to Regulation (EC) No. 1907/2006, Annex XIII

Other hazards which do : None known. not result in classification

# **SECTION 3: Composition/information on ingredients**

| 3.2 Mixtures                              | : Mixture  |         |  |  |         |
|---|--|---------|--|--|---------|
| Product/ingredient name                   | Identifiers  | %       | Classification   | Specific Conc.<br>Limits, M-factors<br>and ATEs  | Туре    |
| 2-(2-butoxyethoxy)ethanol                 | REACH #:<br>01-2119475104-44<br>EC: 203-961-6<br>CAS: 112-34-5<br>Index: 603-096-00-8    | ≤3      | Eye Irrit. 2, H319   | -  | [1] [2] |
| EO bis(benztriazolyl)<br>phenylpropionat  | REACH #:<br>01-0000015075-76<br>EC: 400-830-7<br>CAS: 104810-48-2<br>Index: 607-176-00-3 | <1      | Skin Sens. 1A, H317<br>Aquatic Chronic 2,<br>H411  | -  | [1]     |
| 1,2-benzisothiazol-3(2H)-<br>one          | EC: 220-120-9<br>CAS: 2634-33-5<br>Index: 613-088-00-6                                   | <0.05   | Acute Tox. 4, H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400   | ATE [Oral] = 1020<br>mg/kg<br>Skin Sens. 1, H317:<br>C ≥ 0.05%<br>M [Acute] = 1                                  | [1]     |
| 2-Methyl-1,2-benzisothiazol-<br>3(2H)-one | CAS: 2527-66-4<br>Index: 613-336-00-3  | <0.0015 | Acute Tox. 3, H301<br>Acute Tox. 4, H312<br>Skin Corr. 1C, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1A, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 2,<br>H411<br>EUH071<br>See Section 16 for<br>the full text of the H<br>statements declared<br>above. | ATE [Oral] = 175<br>mg/kg<br>ATE [Dermal] =<br>1100 mg/kg<br>Skin Sens. 1, H317:<br>C ≥ 0.0015%<br>M [Acute] = 1 | [1]     |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section. <u>Type</u>

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

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# **SECTION 4: First aid measures**

| 4.1 Description of first aid m | neas | sures  |
|--------------------------------|------|--|
| Eye contact                    | -    | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.   |
| Inhalation                     | :    | Remove victim to fresh air and keep at rest in a position comfortable for breathing.<br>If not breathing, if breathing is irregular or if respiratory arrest occurs, provide<br>artificial respiration or oxygen by trained personnel. It may be dangerous to the<br>person providing aid to give mouth-to-mouth resuscitation. Get medical attention if<br>adverse health effects persist or are severe. If unconscious, place in recovery<br>position and get medical attention immediately. Maintain an open airway. Loosen<br>tight clothing such as a collar, tie, belt or waistband.   |
| Skin contact                   | :    | Wash with plenty of soap and water. Remove contaminated clothing and shoes.<br>Wash contaminated clothing thoroughly with water before removing it, or wear<br>gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the<br>event of any complaints or symptoms, avoid further exposure. Wash clothing before<br>reuse. Clean shoes thoroughly before reuse.  |
| Ingestion                      | :    | Wash out mouth with water. Remove dentures if any. If material has been<br>swallowed and the exposed person is conscious, give small quantities of water to<br>drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not<br>induce vomiting unless directed to do so by medical personnel. If vomiting occurs,<br>the head should be kept low so that vomit does not enter the lungs. Get medical<br>attention if adverse health effects persist or are severe. Never give anything by<br>mouth to an unconscious person. If unconscious, place in recovery position and get<br>medical attention immediately. Maintain an open airway. Loosen tight clothing such<br>as a collar, tie, belt or waistband. |
| Protection of first-aiders     | :    | No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.  |

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

### **Over-exposure signs/symptoms**

| Eye contact              | : No specific data.  |
|--------------------------|--|
| Inhalation               | : No specific data.  |
| Skin contact             | : Adverse symptoms may include the following:<br>irritation<br>redness |
| Ingestion                | : No specific data.  |
| 4.3 Indication of any im | mediate medical attention and special treatment needed                 |

| Notes to physician  | <ul> <li>Treat symptomatically. Contact poison treatment specialist immediately if large<br/>quantities have been ingested or inhaled.</li> </ul> |
|---------------------|---|
| Specific treatments | : No specific treatment.  |

### **SECTION 5: Firefighting measures**

| 5.1 Extinguishing media<br>Suitable extinguishing<br>media | : Use an extinguishing agent suitable for the surrounding fire. |
|--|---|
| Unsuitable extinguishing media                             | : None known.   |

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

Hazards from the : In a fire or if heated, a pressure increase will occur and the container may burst. substance or mixture

| SECTION 5: Firefighting measures                  |   |  |  |
|---|---|--|--|
| Hazardous combustion products                     | : Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>metal oxide/oxides  |  |  |
| 5.3 Advice for firefighters                       |   |  |  |
| Special protective actions for fire-fighters      | <ul> <li>Promptly isolate the scene by removing all persons from the vicinity of the incident if<br/>there is a fire. No action shall be taken involving any personal risk or without<br/>suitable training.</li> </ul>   |  |  |
| Special protective<br>equipment for fire-fighters | : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |  |  |

### **SECTION 6: Accidental release measures**

| 6.1 Personal precautions, pro  | ote | ctive equipment and emergency procedures  |
|--------------------------------|-----|---|
| For non-emergency<br>personnel | :   | No action shall be taken involving any personal risk or without suitable training.<br>Evacuate surrounding areas. Keep unnecessary and unprotected personnel from<br>entering. Do not touch or walk through spilt material. Avoid breathing vapour or<br>mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is<br>inadequate. Put on appropriate personal protective equipment.   |
| For emergency responders       | :   | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".   |
| 6.2 Environmental precautions  | :   | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains<br>and sewers. Inform the relevant authorities if the product has caused environmental<br>pollution (sewers, waterways, soil or air).   |
| 6.3 Methods and material for   | со  | ntainment and cleaning up   |
| Small spill                    | :   | Stop leak if without risk. Move containers from spill area. Dilute with water and mop<br>up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry<br>material and place in an appropriate waste disposal container. Dispose of via a<br>licensed waste disposal contractor.  |
| Large spill                    | :   | Stop leak if without risk. Move containers from spill area. Approach the release<br>from upwind. Prevent entry into sewers, water courses, basements or confined<br>areas. Wash spillages into an effluent treatment plant or proceed as follows.<br>Contain and collect spillage with non-combustible, absorbent material e.g. sand,<br>earth, vermiculite or diatomaceous earth and place in container for disposal<br>according to local regulations. Dispose of via a licensed waste disposal contractor. |

| 6.4 Reference to other | ÷ | See Section 1 for emergency contact information.                            |
|------------------------|---|---|
| sections               |   | See Section 8 for information on appropriate personal protective equipment. |
|                        |   | See Section 13 for additional waste treatment information.                  |

# **SECTION 7: Handling and storage**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

Contaminated absorbent material may pose the same hazard as the spilt product.

### 7.1 Precautions for safe handling

| Protective measures | : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. |
|---------------------|--|
|---------------------|--|

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### **SECTION 7: Handling and storage**

| Advice on general    |  |
|----------------------|--|
| occupational hygiene |  |

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

### 7.3 Specific end use(s)

| Recommendations            | : Not available |
|----------------------------|-----------------|
| Industrial sector specific | : Not available |

#### Indust solutions

### SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

#### 8.1 Control parameters

#### **Occupational exposure limits**

| Product/ingredient name   | Exposure limit values   |
|---------------------------|---|
| 2-(2-butoxyethoxy)ethanol | EU OEL (Europe, 10/2019). Notes: list of indicative occupational exposure limit values  |
|                           | TWA: 67.5 mg/m <sup>3</sup> 8 hours.<br>TWA: 10 ppm 8 hours.<br>STEL: 101.2 mg/m <sup>3</sup> 15 minutes.<br>STEL: 15 ppm 15 minutes. |

#### **Biological exposure indices**

No exposure indices known.

**Recommended monitoring** : Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the procedures assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### **DNELs/DMELs**

| Product/ingredient name          | Туре      | Exposure               | Value                  | Population | Effects                       |
|----------------------------------|-----------|------------------------|------------------------|------------|-------------------------------|
| 2-(2-butoxyethoxy)ethanol        | DNEL      | Long term Oral         | 6.25 mg/               | General    | Systemic                      |
|                                  |           |                        | kg bw/day              | population |                               |
|                                  | DNEL      | Long term              | 67.5 mg/m <sup>3</sup> | Workers    | Local                         |
|                                  |           | Inhalation             |                        |            |                               |
|                                  | DNEL      | Short term             | 101.2 mg/              | Workers    | Local                         |
|                                  |           | Inhalation             | m³                     |            |                               |
| 2-Butoxyethanol                  | DNEL      | Long term Oral         | 6.3 mg/kg              | General    | Systemic                      |
|                                  |           |                        | bw/day                 | population |                               |
|                                  | DNEL      | Short term Oral        | 26.7 mg/               | General    | Systemic                      |
|                                  |           |                        | kg bw/day              | population |                               |
|                                  | DNEL      | Long term              | 59 mg/m³               | General    | Systemic                      |
|                                  |           | Inhalation             |                        | population |                               |
|                                  | DNEL      | Long term              | 98 mg/m³               | Workers    | Systemic                      |
|                                  |           |                        |                        |            |                               |
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|                              |      | Inhalation       |                        |            |          |
|------------------------------|------|------------------|------------------------|------------|----------|
|                              | DNEL | Short term       | 147 mg/m <sup>3</sup>  | General    | Local    |
|                              |      | Inhalation       |                        | population |          |
|                              | DNEL | Short term       | 246 mg/m <sup>3</sup>  | Workers    | Local    |
|                              |      | Inhalation       |                        |            |          |
|                              | DNEL | Short term       | 426 mg/m <sup>3</sup>  | General    | Systemic |
|                              |      | Inhalation       |                        | population |          |
|                              | DNEL | Short term       | 1091 mg/               | Workers    | Systemic |
|                              |      | Inhalation       | m³                     |            |          |
| adipohydrazide               | DNEL | Long term        | 17.5 mg/m <sup>3</sup> | Workers    | Systemic |
|                              |      | Inhalation       |                        |            |          |
| 1,2-benzisothiazol-3(2H)-one | DNEL | Long term Dermal | 0.345 mg/              | General    | Systemic |
|                              |      |                  | kg bw/day              | population |          |
|                              | DNEL | Long term Dermal | 0.966 mg/              | Workers    | Systemic |
|                              |      |                  | kg bw/day              |            |          |
|                              | DNEL | Long term        | 1.2 mg/m <sup>3</sup>  | General    | Systemic |
|                              |      | Inhalation       |                        | population |          |
|                              | DNEL | Long term        | 6.81 mg/m <sup>3</sup> | Workers    | Systemic |
|                              |      | Inhalation       |                        |            |          |

### **PNECs**

No PNECs available

### 8.2 Exposure controls

| •                                |   |  |  |
|----------------------------------|---|--|--|
| Appropriate engineering controls | : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.  |  |  |
| Individual protection meas       | <u>ures</u>   |  |  |
| Hygiene measures                 | : Wash hands, forearms and face thoroughly after handling chemical products,<br>before eating, smoking and using the lavatory and at the end of the working period.<br>Appropriate techniques should be used to remove potentially contaminated clothing.<br>Contaminated work clothing should not be allowed out of the workplace. Wash<br>contaminated clothing before reusing. Ensure that eyewash stations and safety<br>showers are close to the workstation location.   |  |  |
| Eye/face protection              | Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.   |  |  |
| Skin protection                  |   |  |  |
| Hand protection                  | : Chemical-resistant, impervious gloves complying with an approved standard should<br>be worn at all times when handling chemical products if a risk assessment indicates<br>this is necessary. Considering the parameters specified by the glove manufacturer,<br>check during use that the gloves are still retaining their protective properties. It<br>should be noted that the time to breakthrough for any glove material may be<br>different for different glove manufacturers. In the case of mixtures, consisting of<br>several substances, the protection time of the gloves cannot be accurately<br>estimated. |  |  |
|                                  | Recommendations : Wear suitable gloves tested to EN374.   |  |  |
|                                  | > 8 hours (breakthrough time): Nitrile gloves. thickness > 0.3 mm   |  |  |
|                                  | Not recommended polyvinyl alcohol (PVA) gloves  |  |  |
| Body protection                  | <ul> <li>Personal protective equipment for the body should be selected based on the task<br/>being performed and the risks involved and should be approved by a specialist<br/>before handling this product.</li> </ul>   |  |  |
| Other skin protection            | : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.   |  |  |
| Respiratory protection           | : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.  |  |  |
|                                  | Filter type (spray application): A P  |  |  |
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### **SECTION 8: Exposure controls/personal protection**

| Environmental | exposure |
|---------------|----------|
| controls      |          |

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### **SECTION 9: Physical and chemical properties**

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### 9.1 Information on basic physical and chemical properties

| Appearance                                 |                             |
|--|-----------------------------|
| Physical state                             | : Liquid.                   |
| Colour                                     | : Colourless. [Transparent] |
| Odour                                      | : Slight                    |
| Odour threshold                            | : Not available.            |
| Melting point/freezing point               | : Not available.            |
| Initial boiling point and<br>boiling range | ÷                           |

| Ingredient name             | °C           | °F           | Method |  |  |
|-----------------------------|--------------|--------------|--------|--|--|
| water                       | 100          | 212          |        |  |  |
| 2-(2-butoxyethoxy)ethanol   | 225 to 227.6 | 437 to 441.7 |        |  |  |
| Lancesch 194 auf der Statte |              |              |        |  |  |

| Flammability                    | Not available.                                     |
|---------------------------------|--|
| Lower and upper explosion limit | : Lower: Not applicable.<br>Upper: Not applicable. |
| Flash point                     | : Closed cup: >100°C (>212°F)                      |
| Auto-ignition tomporature       |  |

#### Auto-ignition temperature

| Ingredient name           | °C  | °F  | Method    |
|---------------------------|-----|-----|-----------|
| 2-(2-butoxyethoxy)ethanol | 210 | 410 | DIN 51794 |

| Decomposition temperature               | \$ | Not available.  |
|---|----|-----------------|
| рН                                      | :  | 8 to 9          |
| Viscosity                               | :  | Not available.  |
| Solubility(ies)                         | :  |                 |
| Not available.                          |    |                 |
| Solubility in water                     | :  | Not available.  |
| Partition coefficient: n-octanol/ water | :  | Not applicable. |

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#### Vapour pressure

|                             | Va     | Vapour Pressure at 20°C |        | V     | apour pres | our pressure at 50°C |  |
|-----------------------------|--------|-------------------------|--------|-------|------------|----------------------|--|
| Ingredient name             | mm Hg  | kPa                     | Method | mm Hg | kPa        | Method               |  |
| water                       | 17.5   | 2.3                     |        |       |            |                      |  |
| 2-(2-butoxyethoxy)ethanol   | 0.022  | 0.0029                  |        |       |            |                      |  |
| Relative density            | : Not  | available.              |        |       |            |                      |  |
| Density                     | : 1 g/ | ′cm³                    |        |       |            |                      |  |
| /apour density              | : Not  | available.              |        |       |            |                      |  |
| Explosive properties        | : Not  | available.              |        |       |            |                      |  |
| <b>Dxidising properties</b> | : Not  | available.              |        |       |            |                      |  |
| Particle characteristics    |        |                         |        |       |            |                      |  |
| Median particle size        | : Not  | applicable.             |        |       |            |                      |  |

| <b>SECTION 10: Stabilit</b>              | y and reactivity   |
|--|--|
| 10.1 Reactivity                          | : No specific test data related to reactivity available for this product or its ingredients.           |
| 10.2 Chemical stability                  | : The product is stable.   |
| 10.3 Possibility of hazardous reactions  | : Under normal conditions of storage and use, hazardous reactions will not occur.                      |
| 10.4 Conditions to avoid                 | : No specific data.  |
| 10.5 Incompatible materials              | : No specific data.  |
| 10.6 Hazardous<br>decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

# **SECTION 11: Toxicological information**

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

### Acute toxicity

| Product/ingredient name   | Result                   | Species       | Dose                     | Exposure |  |
|---|--------------------------|---------------|--------------------------|----------|--|
| 2-(2-butoxyethoxy)ethanol   | LD50 Dermal<br>LD50 Oral | Rabbit<br>Rat | 2700 mg/kg<br>4500 mg/kg | -        |  |
| 1,2-benzisothiazol-3(2H)-<br>one  | LD50 Oral                | Rat           | 1020 mg/kg               | -        |  |
| <b>Conclusion/Summary</b> : Based on available data, the classification criteria are not met. |                          |               |                          |          |  |

### Acute toxicity estimates

| Route                | ATE value   |
|----------------------|-------------|
| Inhalation (vapours) | 640.06 mg/l |

### Irritation/Corrosion

| Product/ingredient name   | Result  | Species          | Score       | Exposure     | Observation |  |
|---|---|------------------|-------------|--------------|-------------|--|
| 2-(2-butoxyethoxy)ethanol   | Eyes - Moderate irritant  | Rabbit           | -           | 24 hours 20  | -           |  |
|   |   |                  |             | mg           |             |  |
|   | Eyes - Severe irritant  | Rabbit           | -           | 20 mg        | -           |  |
| 2-Butoxyethanol   | Eyes - Moderate irritant  | Rabbit           | -           | 24 hours 100 | -           |  |
|   |   |                  |             | mg           |             |  |
|   | Eyes - Severe irritant  | Rabbit           | -           | 100 mg       | -           |  |
|   | Skin - Mild irritant  | Rabbit           | -           | 500 mg       | -           |  |
| 1,2-benzisothiazol-3(2H)-one  | Skin - Mild irritant  | Human            | -           | 48 hours 5 % | -           |  |
| <b>Conclusion/Summary</b>   | : Based on available data, the                                      | classification c | riteria are | not met.     |             |  |
| <u>Sensitisation</u>  |   |                  |             |              |             |  |
| <b>Conclusion/Summary</b>   | : May cause an allergic skin re                                     | action.          |             |              |             |  |
| <u>Mutagenicity</u>   | <u>Mutagenicity</u>   |                  |             |              |             |  |
| <b>Conclusion/Summary</b>   | : Based on available data, the classification criteria are not met. |                  |             |              |             |  |
| carcinogenicity   |   |                  |             |              |             |  |
| <b>Conclusion/Summary</b>   | : Based on available data, the                                      | classification c | riteria are | not met.     |             |  |
| Reproductive toxicity   |   |                  |             |              |             |  |
| Conclusion/Summary : Based on available data, the classification criteria are not met.        |   |                  |             |              |             |  |
| <u>Teratogenicity</u>   |   |                  |             |              |             |  |
| <b>Conclusion/Summary</b> : Based on available data, the classification criteria are not met. |   |                  |             |              |             |  |
| Specific target organ toxicity (single exposure)  |   |                  |             |              |             |  |
| Not available.  | Not available.  |                  |             |              |             |  |
| Specific target organ toxicity  | y (repeated exposure)   |                  |             |              |             |  |
| Not available.  |   |                  |             |              |             |  |

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# **SECTION 11: Toxicological information**

Aspiration hazard

Not available.

| Information on likely routes<br>of exposure | : | Not available.                                    |
|---|---|---|
| Potential acute health effects              |   |   |
| Eye contact                                 | : | No known significant effects or critical hazards. |
| Inhalation                                  | : | No known significant effects or critical hazards. |
| Skin contact                                | : | May cause an allergic skin reaction.              |
| Ingestion                                   | : | No known significant effects or critical hazards. |
|   |   |   |

### Symptoms related to the physical, chemical and toxicological characteristics

| Eye contact  | : No specific data.  |
|--------------|--|
| Inhalation   | : No specific data.  |
| Skin contact | : Adverse symptoms may include the following:<br>irritation<br>redness |
| Ingestion    | : No specific data.  |

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

| <u>Short term exposure</u>    |     |   |
|-------------------------------|-----|---|
| Potential immediate effects   | :   | Not available.  |
| Potential delayed effects     | 1   | Not available.  |
| Long term exposure            |     |   |
| Potential immediate effects   | :   | Not available.  |
| Potential delayed effects     | :   | Not available.  |
| Potential chronic health effe | ect | <u>s</u>  |
| Not available.                |     |   |
| <b>Conclusion/Summary</b>     | :   | Not available.  |
| General                       | :   | Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. |
| Carcinogenicity               | 1   | No known significant effects or critical hazards.   |
| Mutagenicity                  | 1   | No known significant effects or critical hazards.   |
| Reproductive toxicity         | :   | No known significant effects or critical hazards.   |
|                               |     |   |

#### 11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

### **11.2.2 Other information**

Not available.

### **SECTION 12: Ecological information**

12.1 Toxicity

# **SECTION 12: Ecological information**

| Product/ingredient name                   | Result                               | Species  | Exposure |
|---|--------------------------------------|--|----------|
| 2-(2-butoxyethoxy)ethanol                 | Acute LC50 1300000 µg/l Fresh water  | Fish - Lepomis macrochirus   | 96 hours |
| 2-Butoxyethanol                           | Acute EC50 >1000 mg/l Fresh water    | Daphnia - <i>Daphnia magna</i>   | 48 hours |
|   | Acute LC50 800000 µg/l Marine water  | Crustaceans - Crangon crangon  | 48 hours |
|   | Acute LC50 1250000 µg/l Marine water | Fish - Menidia beryllina   | 96 hours |
| 1,2-benzisothiazol-3(2H)-one              | Acute EC50 0.36 mg/l Marine water    | Algae - Skeletonema Costatum   | 72 hours |
|   | Acute EC50 3.7 mg/l                  | Daphnia - <i>Daphnia Magna</i>   | 48 hours |
|   | Acute LC50 1.9 mg/l Fresh water      | Fish - Onorhynchus Mykiss  | 96 hours |
|   | Acute NOEC 0.15 mg/l Marine water    | Algae - Skeletonema Costatum   | 72 hours |
| 2-Methyl-1,2-benzisothiazol-<br>3(2H)-one | Acute EC50 0.22 ppm Fresh water      | Algae - Pseudokirchneriella<br>subcapitata                                   | 96 hours |
|   | Acute EC50 0.92 ppm Fresh water      | Daphnia - <i>Daphnia magna</i>   | 48 hours |
|   | Acute LC50 0.24 ppm Fresh water      | Fish - Oncorhynchus mykiss -<br>Juvenile (Fledgling, Hatchling,<br>Weanling) | 96 hours |
|   | Chronic NOEC 0.16 ppm                | Fish - Pimephales promelas   | 32 days  |

### 12.2 Persistence and degradability

| Product/ingredient name   | Test              | Result         |            | Dose | Inoculum         |
|---|-------------------|----------------|------------|------|------------------|
| 7,2-benzisothiazol-3(2H)-one  | EU                | 24 % - 28 days |            | -    | -                |
| Conclusion/Summary : This product has not been tested for biodegradation. |                   |                |            |      |                  |
| Product/ingredient name   | Aquatic half-life |                | Photolysis | S    | Biodegradability |
| √,2-benzisothiazol-3(2H)-one  |                   |                | -          |      | Inherent         |

### 12.3 Bioaccumulative potential

| Product/ingredient name      | LogPow | BCF | Potential |
|------------------------------|--------|-----|-----------|
| 2-(2-butoxyethoxy)ethanol    | 1      | -   | Low       |
| 2-Butoxyethanol              | 0.81   | -   | Low       |
| 1,2-benzisothiazol-3(2H)-one | -      | 3.2 | Low       |

| 12.4 Mobility in soil |                  |
|-----------------------|------------------|
| Soil/water partition  | : Not available. |
| coefficient (Koc)     |                  |
| Mobility              | : Not available. |

### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

#### 12.6 Endocrine disrupting properties

Not available.

#### 12.7 Other adverse effects

No known significant effects or critical hazards.

### **SECTION 13: Disposal considerations**

### 13.1 Waste treatment methods

Product

# **SECTION 13: Disposal considerations**

| •                                 |   |
|-----------------------------------|---|
| Methods of disposal               | : The generation of waste should be avoided or minimised wherever possible.<br>Disposal of this product, solutions and any by-products should at all times comply<br>with the requirements of environmental protection and waste disposal legislation and<br>any regional local authority requirements. Dispose of surplus and non-recyclable<br>products via a licensed waste disposal contractor. Waste should not be disposed of<br>untreated to the sewer unless fully compliant with the requirements of all authorities<br>with jurisdiction. |
| Hazardous waste                   | : The classification of the product may meet the criteria for a hazardous waste.  |
| European waste<br>catalogue (EWC) | : 080112  |
| Packaging                         |   |
| Methods of disposal               | : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.  |
| Special precautions               | : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.   |

## **SECTION 14: Transport information**

|                                    | ADR/RID        | ADN            | IMDG           | ΙΑΤΑ           |
|------------------------------------|----------------|----------------|----------------|----------------|
| 14.1 UN number<br>or ID number     | Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| 14.2 UN proper shipping name       | -              | -              | -              | -              |
| 14.3 Transport<br>hazard class(es) | -              | -              | -              | -              |
| 14.4 Packing<br>group              | -              | -              | -              | -              |
| 14.5<br>Environmental<br>hazards   | No.            | No.            | No.            | No.            |

**14.6 Special precautions for user**: **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Maritime transport in bulk according to IMO instruments : Not relevant/applicable due to nature of the product.

### **SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>EU Regulation (EC) No. 1907/2006 (REACH)</u>

Annex XIV - List of substances subject to authorisation

<u>Annex XIV</u>

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

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| Product/ingredient name  | %                       | Designation [Usage]      |  |
|--|-------------------------|--------------------------|--|
| QUATOP 2600-22<br>2-(2-butoxyethoxy)ethanol  | ≥90<br>≤3               | 3<br>55 [Consumer paint] |  |
| Labelling : 🔽  | Ι                       |                          |  |
| Other EU regulations         Industrial emissions       : Not linch         (integrated pollution         prevention and control) -         Air                      | isted                   |                          |  |
| Industrial emissions : Not li<br>(integrated pollution<br>prevention and control) -<br>Water   | isted                   |                          |  |
| Explosive precursors : Not a   | applicable.             |                          |  |
| Ozone depleting substances (1005<br>Not listed.  | <u>/2009/EU)</u>        |                          |  |
| Prior Informed Consent (PIC) (649/<br>Not listed.  | <u>2012/EU)</u>         |                          |  |
| Persistent Organic Pollutants<br>Not listed.   |                         |                          |  |
| Seveso Directive<br>This product is not controlled under th<br>lational regulations<br>International regulations<br>Chemical Weapon Convention List S<br>Not listed. |                         |                          |  |
| Iontreal Protocol<br>Not listed.   |                         |                          |  |
| tockholm Convention on Persister<br>Not listed.  | <u>nt Organic Pollu</u> | <u>tants</u>             |  |
| Rotterdam Convention on Prior Info   | <u>rmed Consent (</u>   | <u>PIC)</u>              |  |
|  | nd Heavy Metals         |                          |  |

### **15.2 Chemical safety** : Not applicable.

assessment

**SECTION 16: Other information** 

✓ Indicates information that has changed from previously issued version.

|                   | <b>o</b> 1 <b>i</b>   |
|-------------------|---|
| Abbreviations and | : ATE = Acute Toxicity Estimate   |
| acronyms          | CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. |
|                   | 1272/2008]  |
|                   | DMEL = Derived Minimal Effect Level   |
|                   | DNEL = Derived No Effect Level  |
|                   | EUH statement = CLP-specific Hazard statement                                 |
|                   | N/A = Not available   |
|                   | PBT = Persistent, Bioaccumulative and Toxic                                   |
|                   | PNEC = Predicted No Effect Concentration                                      |
|                   | RRN = REACH Registration Number   |
|                   | SGG = Segregation Group   |
|                   | vPvB = Very Persistent and Very Bioaccumulative                               |
|                   |   |

| SECTION 16: Other information Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]   |   |                    |
|--|---|--------------------|
|  | Classification  | Justification      |
| Skin Sens. 1, H317 Calculation method  |   | Calculation method |
| Full text of abbreviate  | ed H statements   | I                  |
| H302HarrH312HarrH314CausH315CausH317MayH318CausH319CausH400VeryH411Toxi  | c if swallowed.<br>nful if swallowed.<br>nful in contact with skin.<br>ses severe skin burns and eye damage.<br>ses skin irritation.<br>cause an allergic skin reaction.<br>ses serious eye damage.<br>ses serious eye irritation.<br>toxic to aquatic life.<br>c to aquatic life with long lasting effects.<br>osive to the respiratory tract. |                    |
| Full text of classificat   | ions [CLP/GHS]  |                    |
| Acute Tox. 3ACUTE TOXICITY - Category 3Acute Tox. 4ACUTE TOXICITY - Category 4Aquatic Acute 1SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1Aquatic Chronic 2LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2Eye Dam. 1SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1Eye Irrit. 2SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2Skin Corr. 1CSKIN CORROSION/IRRITATION - Category 1CSkin Irrit. 2SKIN CORROSION/IRRITATION - Category 2Skin Sens. 1SKIN SENSITISATION - Category 1Skin Sens. 1ASKIN SENSITISATION - Category 1A |   |                    |
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### Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.

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