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

# **SAFETY DATA SHEET**



AQUATOP 2600-92 - All variants

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

#### 1.1 Product identifier Product name

e : AQUATOP 2600-92 - All variants

**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<br>Hazard statements<br>Precautionary statements | : Warning<br>: H317 - May cause an allergic skin reaction.  |
|--|---|
| 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   | : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.  |
| Hazardous ingredients  | <ul> <li>Contains: EO bis(benztriazolyl)phenylpropionat; 1,2-benzisothiazol-3(2H)-one;</li> <li>2-methyl-2H-isothiazol-3-one and 2-Octyl-2H-isothiazol-3-one</li> </ul>   |

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

# Supplemental label : Contains biocidal products for in-can preservation: BIT and Bronopol and MIT and OIT and DTBMA and MBIT. 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<br/>for PBT or vPvB according<br/>to Regulation (EC) No.<br/>1907/2006, Annex XIII: This mixture does not contain any substances that are assessed to be a PBT or a<br/>vPvB.Other hazards which do<br/>not result in classification: None known.

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

| $\begin{array}{c} 1.2-0 \text{ berzio 2} \\ 1.$ | 3.2 Mixtures Product/ingredient name | : Mixture   | %                | Classification  | Specific Conc.<br>Limits, M-factors<br>and ATEs   | Туре    |
|---|--------------------------------------|---|------------------|---|---|---------|
| phenylpropionat01-000015075-76<br>EC: 400-330-7<br>CAS: 104810-48-2<br>Index: 607-176-00-3Aquatic Chronic 2,<br>H411ATE [Oral] = 120<br>mg/kg[1] [22-ButoxyethanolREACH #:<br>01-2119475108-36<br>  | pipropyleneglycolmethylether         | 01-2119450011-60<br>EC: 252-104-2                     | ≤3               | Not classified.   | -   | [2]     |
| $\begin{array}{c} 01-2119475108-36\\ EC: 203-905-0\\ CAS: 111-76-2\\ Index: 603-014-00-0\\ ne\\ \end{array} \qquad \begin{array}{c} Acute Tox. 3, H331\\ Skin Irrit. 2, H315\\ Eye Irrit. 2, H315\\ Eye Irrit. 2, H319\\ \end{array} \qquad \begin{array}{c} ATE \ [Inhalation (vapours)] = 3 mg/l\\ ATE \ [Oral] = 1020\\ mg/kg\\ Skin Sens. 1, H317\\ C \ge 0.05\%\\ Rectarright Skin Sens. 1, H317\\ Aquatic Acute 1, H400\\ Acute Tox. 3, H301\\ Acute Tox. 3, H314\\ Eye Dam. 1, H318\\ Skin Sens. 1, H317\\ C \ge 0.05\%\\ M \ [Acute] = 1\\ Acute Tox. 2, H300\\ Skin Corr. 1B, H314\\ Eye Dam. 1, H318\\ Skin Sens. 1, H317\\ Aquatic Acute 1, H400\\ Acute Tox. 2, H330\\ Skin Corr. 1B, H314\\ Eye Dam. 1, H318\\ Skin Sens. 1A, H317\\ C \ge 0.0015\%\\ M \ [Acute] = 10\\ M \ [Acute] =$  |                                      | 01-0000015075-76<br>EC: 400-830-7<br>CAS: 104810-48-2 | <1               | Aquatic Chronic 2,  | -   | [1]     |
| oneCAS: 2634-33-5<br>Index: 613-088-00-6Skin Irrit. 2, H315<br>Eye Dam. 1, H318 $mg/kg$ 2-methyl-2H-isothiazol-<br>3-oneEC: 220-239-6<br>CAS: 2682-20-4<0.01  | 2-Butoxyethanol                      | 01-2119475108-36<br>EC: 203-905-0<br>CAS: 111-76-2    | ≤0.3             | Acute Tox. 3, H331<br>Skin Irrit. 2, H315   | mg/kg<br>ATE [Inhalation  | [1] [2] |
| 3-oneCAS: 2682-20-4Acute Tox. 3, H311<br>Acute Tox. 2, H330<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1A, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1,<br>H410<br>EUH071mg/kg<br>ATE [Inhalation<br>(dusts and mists)]<br>= 0.11 mg/l<br>Skin Sens. 1, H317:<br>  | 1,2-benzisothiazol-3(2H)-<br>one     | CAS: 2634-33-5  | <0.05            | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317   | mg/kg<br>Skin Sens. 1, H317:<br>C ≥ 0.05%   | [1]     |
| CAS: 26530-20-1         Acute Tox. 3, H311         mg/kg           Index: 613-112-00-5         Acute Tox. 2, H330         ATE [Dermal] =           Skin Corr. 1, H314         311 mg/kg           Eye Dam. 1, H318         ATE [Inhalation  |                                      |   | <0.01            | Acute Tox. 3, H311<br>Acute Tox. 2, H330<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1A, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1,<br>H410 | mg/kg<br>ATE [Dermal] =<br>300  mg/kg<br>ATE [Inhalation<br>(dusts and mists)]<br>= 0.11 mg/l<br>Skin Sens. 1, H317:<br>C $\geq 0.0015\%$<br>M [Acute] = 10 | [1]     |
| Date of issue/Date of revision       : 11/10/2023       Date of previous issue       : 27/07/2022       Version       : 1.01       2/24   | 2-Octyl-2H-isothiazol-3-one          | CAS: 26530-20-1                                       | <0.0025          | Acute Tox. 3, H311<br>Acute Tox. 2, H330<br>Skin Corr. 1, H314  | mg/kg<br>ATE [Dermal] =<br>311 mg/kg  | [1]     |
| AQUATOP 2600-92 - All variants Label No :#8049  | Date of issue/Date of revision       |   | e of previous is | sue : 27/07/2022  |   |         |

|   |  |        | Skin Sens. 1A, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1,  | (dusts and mists)]<br>= 0.27 mg/l<br>Skin Sens. 1, H317:  |     |
|---|--|--------|---|---|-----|
|   |  |        | H410<br>EUH071  | $C \ge 0.0015\%$<br>M [Acute] = 100<br>M [Chronic] = 100  |     |
| reaction mass of: 5-chloro-<br>2-methyl-4-isothiazolin-<br>3-one [EC no. 247-500-7]<br>and 2-methyl-2H-isothiazol-<br>3-one [EC no. 220-239-6]<br>(3:1) | CAS: 55965-84-9<br>Index: 613-167-00-5 | <0.001 | Acute Tox. 3, H301<br>Acute Tox. 2, H310<br>Acute Tox. 2, H330<br>Skin Corr. 1C, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1A, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1,<br>H410<br>EUH071 | ATE [Oral] = 53 mg/ [<br>kg<br>ATE [Dermal] = 50<br>mg/kg<br>ATE [Inhalation<br>(vapours)] = 0.5<br>mg/l<br>Skin Corr. 1C,<br>H314: $C \ge 0.6\%$<br>Eye Dam. 1, H318:<br>$C \ge 0.6\%$<br>Eye Irrit. 2, H319:<br>$0.06\% \le C < 0.6\%$<br>Skin Sens. 1, H317:<br>$C \ge 0.0015\%$<br>M [Acute] = 100<br>M [Chronic] = 100 | [1] |
|   |  |        | See Section 16 for<br>the full text of the H<br>statements declared<br>above.   |   |     |

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.

#### **SECTION 4: First aid measures**

| 4.1 Description of first aid<br>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 swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| Date of issue/Date of revision              | : 11/10/2023 Date of previous issue : 27/07/2022 Version : 1.01 3/24   |

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|---|--|
| 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 sympton                        | ns and effects, both acute and delayed   |
| Over-exposure signs/symp                          | <u>toms</u>  |
| 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 immedi                      | ate medical attention and special treatment needed   |
| Notes to physician                                | : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.  |
| Specific treatments                               | : No specific treatment.   |
| SECTION 5: Firefigh                               | ting measures  |
| 5.1 Extinguishing media                           |  |
| Suitable extinguishing media                      | : Use an extinguishing agent suitable for the surrounding fire.  |
| Unsuitable extinguishing media                    | : None known.  |
| 5.2 Special hazards arising f                     | rom the substance or mixture   |
| Hazards from the substance or mixture             | : In a fire or if heated, a pressure increase will occur and the container may burst.  |
| 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      | : Promptly isolate the scene by removing all persons from the vicinity of the incident i there is a fire. No action shall be taken involving any personal risk or without suitable training.   |
| 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, prot | tective 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".   |

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| SECTION 6: Accidental release measures |   |  |  |
|--|---|--|--|
| 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 materia                | al for containment 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.<br>Contaminated absorbent material may pose the same hazard as the spilt product. |  |  |
| 6.4 Reference to other sections        | <ul> <li>See Section 1 for emergency contact information.</li> <li>See Section 8 for information on appropriate personal protective equipment.</li> <li>See Section 13 for additional waste treatment information.</li> </ul>   |  |  |

#### 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).

#### 7.1 Precautions for safe handling

| Protective measures                    | <ul> <li>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.</li> </ul> |
|--|--|
| 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 solutions

: Not available.

#### 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**

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| Product/ingredient name  | Exposure limit values   |
|--|---|
| ipropyleneglycolmethylether  | Regulation on Limit Values - MAC (Austria, 4/2021).[Dipropylene glycol monomethyl ethers (mixture of isomers)]Absorbed through skin.TWA: 50 ppm 8 hours.TWA: 307 mg/m³ 8 hours.CEIL: 100 ppm, 8 times per shift, 5 minutes.   |
| 2-Butoxyethanol  | CEIL: 614 mg/m <sup>3</sup> , 8 times per shift, 5 minutes.<br><b>Regulation on Limit Values - MAC (Austria, 4/2021). Absorbed</b><br><b>through skin.</b><br>TWA: 20 ppm 8 hours.<br>TWA: 98 mg/m <sup>3</sup> 8 hours.<br>PEAK: 40 ppm, 4 times per shift, 30 minutes.                          |
| 2-methyl-2H-isothiazol-3-one   | PEAK: 200 mg/m <sup>3</sup> , 4 times per shift, 30 minutes.<br><b>Regulation on Limit Values - MAC (Austria, 4/2021). [5-chlord</b><br><b>2-methyl-2,3-dihydroisothiazol-3-one and 2-methyl-2,3-di-</b><br><b>hydroisothiazol-3-one (mixture in the ratio 3:1)] Skin</b><br><b>sensitiser.</b>   |
| 2-Octyl-2H-isothiazol-3-one  | TWA: 0.05 mg/m <sup>3</sup> 8 hours.<br><b>Regulation on Limit Values - MAC (Austria, 4/2021). Absorbe</b><br><b>through skin. Sensitization potential.</b><br>TWA: 0.05 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction<br>CEIL: 0.05 mg/m <sup>3</sup> 15 minutes. Form: Inhalable fraction |
| eaction mass of: 5-chloro-2-methyl-<br>l-isothiazolin-3-one [EC no. 247-500-7] and<br>2-methyl-2H-isothiazol-3-one [EC no.<br>220-239-6] (3:1) | Regulation on Limit Values - MAC (Austria, 4/2021). [5-chlord<br>2-methyl-2,3-dihydroisothiazol-3-one and 2-methyl-2,3-di-<br>hydroisothiazol-3-one (mixture in the ratio 3:1)] Skin<br>sensitiser.<br>TWA: 0.05 mg/m <sup>3</sup> 8 hours.   |
| of propylenegly colmethyle ther  | Limit values (Belgium, 5/2021).<br>[Dipropyleenglycolmonomethylether] Absorbed through skin<br>TWA: 50 ppm 8 hours.   |
| 2-Butoxyethanol  | TWA: 308 mg/m <sup>3</sup> 8 hours.<br><b>Limit values (Belgium, 5/2021). Absorbed through skin.</b><br>TWA: 20 ppm 8 hours.<br>TWA: 98 mg/m <sup>3</sup> 8 hours.<br>STEL: 50 ppm 15 minutes.<br>STEL: 246 mg/m <sup>3</sup> 15 minutes.   |
| 7<br>propyleneglycolmethylether  | Ministry of Labour and Social Policy and the Ministry of<br>Health - Ordinance No 13/2003. (Bulgaria, 6/2021). [2-<br>(Methoxymethyletoxy)propanol] Absorbed through skin.<br>Limit value 8 hours: 308 mg/m <sup>3</sup> 8 hours.<br>Limit value 8 hours: 50 ppm 8 hours.                         |
| ofpropyleneglycolmethylether   | Ministry of Economy, Labour and Entrepreneurship ELV/<br>STELV (Croatia, 1/2021). [(2-methoxymethylethoxy)-propano<br>Absorbed through skin.<br>ELV: 308 mg/m <sup>3</sup> 8 hours.<br>ELV: 50 ppm 8 hours.   |
| P-Butoxyethanol  | Ministry of Economy, Labour and Entrepreneurship ELV/<br>STELV (Croatia, 1/2021). Absorbed through skin.<br>STELV: 246 mg/m <sup>3</sup> 15 minutes.<br>STELV: 50 ppm 15 minutes.<br>ELV: 98 mg/m <sup>3</sup> 8 hours.<br>ELV: 20 ppm 8 hours.   |
| of propylenegly colmethyle ther  | Department of labour inspection (Cyprus, 7/2021). Absorbed<br>through skin.<br>TWA: 50 ppm 8 hours.<br>TWA: 308 mg/m <sup>3</sup> 8 hours.  |
| 2-Butoxyethanol  | Department of labour inspection (Cyprus, 7/2021). Absorbed<br>through skin.<br>STEL: 50 ppm 15 minutes.<br>STEL: 246 mg/m <sup>3</sup> 15 minutes.<br>TWA: 20 ppm 8 hours.<br>TWA: 98 mg/m <sup>3</sup> 8 hours.  |

| <b>D</b> ipropyleneglycolmethylether   | Government regulation of Czech Republic PEL/NPK-P (Czech   |
|--|--|
|  | Republic, 10/2022). [(2-methoxymethylethoxy)-propanol  |
|  | (mixture of isomers)] Absorbed through skin.<br>TWA: 270 mg/m <sup>3</sup> 8 hours.  |
|  | TWA: 43.74 ppm 8 hours.  |
|  | STEL: 550 mg/m <sup>3</sup> 15 minutes.  |
|  | STEL: 89.1 ppm 15 minutes.   |
| 2-Butoxyethanol                        | Government regulation of Czech Republic PEL/NPK-P (Czech   |
|  | Republic, 10/2022). Absorbed through skin.<br>TWA: 100 mg/m <sup>3</sup> 8 hours.  |
|  | TWA: 20.4 ppm 8 hours.   |
|  | STEL: 200 mg/m <sup>3</sup> 15 minutes.  |
|  | STEL: 40.8 ppm 15 minutes.   |
| pipropyleneglycolmethylether           | Working Environment Authority (Denmark, 6/2022).   |
|  | [Dipropylenglycolmethylether] Absorbed through skin.<br>TWA: 50 ppm 8 hours.   |
|  | TWA: 309 mg/m <sup>3</sup> 8 hours.  |
|  | STEL: 618 mg/m <sup>3</sup> 15 minutes.  |
| 2 Putowysthanal                        | STEL: 100 ppm 15 minutes.  |
| 2-Butoxyethanol                        | Working Environment Authority (Denmark, 6/2022). Absorbed through skin.  |
|  | TWA: 20 ppm 8 hours.   |
|  | TWA: 98 mg/m <sup>3</sup> 8 hours.   |
|  | STEL: 246 mg/m <sup>3</sup> 15 minutes.  |
|  | STEL: 50 ppm 15 minutes.   |
| ☑ propyleneglycolmethylether           | Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). [Dipropylene glycol monomethyl ether] Absorbed          |
|  | through skin.  |
|  | TWA: 308 mg/m <sup>3</sup> 8 hours.  |
|  | TWA: 50 ppm 8 hours.   |
| 2-Butoxyethanol                        | Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). Absorbed through skin. Skin sensitiser.                 |
|  | TWA: 98 mg/m <sup>3</sup> 8 hours.   |
|  | TWA: 20 ppm 8 hours.   |
|  | STEL: 246 mg/m <sup>3</sup> 15 minutes.  |
|  | STEL: 50 ppm 15 minutes.   |
| ☑ípropyleneglycolmethylether           | EU OEL (Europe, 1/2022). [(2-Methoxymethylethoxy)-propanol]<br>Absorbed through skin. Notes: list of indicative occupational |
|  | exposure limit values  |
|  | TWA: 50 ppm 8 hours.   |
|  | TWA: 308 mg/m <sup>3</sup> 8 hours.  |
| 2-Butoxyethanol                        | EU OEL (Europe, 1/2022). Absorbed through skin. Notes: list of indicative occupational exposure limit values                 |
|  | TWA: 20 ppm 8 hours.   |
|  | TWA: 98 mg/m <sup>3</sup> 8 hours.   |
|  | STEL: 50 ppm 15 minutes.   |
|  | STEL: 246 mg/m <sup>3</sup> 15 minutes.  |
| Dipropyleneglycolmethylether           | Institute of Occupational Health, Ministry of Social Affairs (Finland, 9/2020). [] Absorbed through skin.                    |
|  | TWA: 50 ppm 8 hours.   |
|  | TWA: 310 mg/m <sup>3</sup> 8 hours.  |
| <b>D</b> ipropyleneglycolmethylether   | Ministry of Labor (France, 10/2022). [(2-methoxymethylethoxy)  |
|  | -propanol] Absorbed through skin. Notes: Binding regulatory  |
|  | limit values (article R. 4412-149 of the Labor Code)   |
|  | TWA: 50 ppm 8 hours.<br>TWA: 308 mg/m³ 8 hours.  |
| 2-Butoxyethanol                        | Ministry of Labor (France, 10/2022). Absorbed through skin.  |
|  | Notes: Binding regulatory limit values (article R. 4412-149 of   |
|  | the Labor Code)  |
|  | TWA: 10 ppm 8 hours.<br>TWA: 49 mg/m <sup>3</sup> 8 hours.   |
|  | STEL: 246 mg/m <sup>3</sup> 15 minutes.  |
|  | STEL: 50 ppm 15 minutes.   |
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| SECTION 8: Exposure controls/personal protection  |  |  |
|---|--|--|
| Dipropyleneglycolmethylether<br>2-Butoxyethanol   | TRGS 900 OEL (Germany, 6/2022). [(2-Methoxymethylethoxy)propanol]TWA: 310 mg/m³ 8 hours.PEAK: 310 mg/m³ 15 minutes.TWA: 50 ppm 8 hours.PEAK: 50 ppm 15 minutes.DFG MAC-values list (Germany, 7/2022). [Dipropylene glycolmonomethyl ether (mixture of isomers)]TWA: 50 ppm 8 hours.PEAK: 50 ppm 8 hours.PEAK: 50 ppm 8 hours.PEAK: 50 ppm, 4 times per shift, 15 minutes.TWA: 310 mg/m³ 8 hours.PEAK: 310 mg/m³ 8 hours.PEAK: 310 mg/m³, 4 times per shift, 15 minutes.TRGS 900 OEL (Germany, 6/2022). Absorbed through skin.TWA: 49 mg/m³ 8 hours.  |  |
|   | <ul> <li>PEAK: 98 mg/m<sup>3</sup> 15 minutes.</li> <li>PEAK: 98 mg/m<sup>3</sup> 15 minutes.</li> <li>TWA: 10 ppm 8 hours.</li> <li>PEAK: 20 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>TWA: 10 ppm 8 hours.</li> <li>PEAK: 20 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 49 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 98 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</li> </ul>  |  |
| 1,2-benzisothiazol-3(2H)-one<br>2-methyl-2H-isothiazol-3-one<br>2-Octyl-2H-isothiazol-3-one | <ul> <li>DFG MAC-values list (Germany, 7/2022). Skin sensitiser.</li> <li>DFG MAC-values list (Germany, 7/2022). Skin sensitiser.</li> <li>TRGS 900 OEL (Germany, 6/2022). Absorbed through skin.</li> <li>TWA: 0.05 mg/m<sup>3</sup> 8 hours. Form: Inhalable fraction</li> <li>PEAK: 0.1 mg/m<sup>3</sup> 15 minutes. Form: Inhalable fraction</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>Skin sensitiser.</li> <li>TWA: 0.05 mg/m<sup>3</sup> 8 hours. Form: inhalable fraction</li> <li>PEAK: 0.1 mg/m<sup>3</sup> 4 times per shift, 15 minutes. Form: inhalable fraction</li> </ul> |  |
| Dipropyleneglycolmethylether  | Presidential Decree 307/1986: Occupational exposure limit<br>values (Greece, 9/2021). [(2-Methoxymethylethoxy)propanol]<br>Absorbed through skin.<br>TWA: 100 ppm 8 hours.<br>TWA: 600 mg/m <sup>3</sup> 8 hours.<br>STEL: 150 ppm 15 minutes.<br>STEL: 900 mg/m <sup>3</sup> 15 minutes.  |  |
| 2-Butoxyethanol   | Presidential Decree 307/1986: Occupational exposure limit<br>values (Greece, 9/2021). Absorbed through skin.<br>TWA: 25 ppm 8 hours.<br>TWA: 120 mg/m <sup>3</sup> 8 hours.  |  |
| Dipropyleneglycolmethylether  | 5/2020. (II. 6.) ITM Decree (Hungary, 12/2022). [Dipropylene<br>glycol monomethyl ether]<br>TWA: 308 mg/m <sup>3</sup> 8 hours.<br>TWA: 50 ppm 8 hours.  |  |
| 2-Butoxyethanol   | <ul> <li>5/2020. (II. 6.) ITM Decree (Hungary, 12/2022). Absorbed through skin. Skin sensitiser. Inhalation sensitiser.</li> <li>TWA: 98 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 246 mg/m<sup>3</sup> 15 minutes.</li> <li>PEAK: 50 ppm 15 minutes.</li> <li>TWA: 20 ppm 8 hours.</li> </ul>  |  |
| Dipropyleneglycolmethylether  | Ministry of Welfare, List of Exposure Limits (Iceland, 5/2021). []<br>Absorbed through skin.<br>TWA: 300 mg/m <sup>3</sup> 8 hours.<br>TWA: 50 ppm 8 hours.  |  |
| Dipropyleneglycolmethylether  | NAOSH (Ireland, 5/2021). [(2-methoxymethylethoxy)<br>-1-propanol] Absorbed through skin. Notes: EU derived<br>Occupational Exposure Limit Values<br>OELV-8hr: 50 ppm 8 hours.<br>OELV-8hr: 308 mg/m <sup>3</sup> 8 hours.  |  |

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| ■ Pipropyleneglycolmethylether            | Legislative Decree No. 819/2008. Title IX. Protection from                                   |
|---|--|
|   | chemical agents, carcinogens and mutagens (Italy, 6/2020).                                   |
|   | Absorbed through skin.   |
|   | 8 hours: 50 ppm 8 hours.   |
|   | 8 hours: 308 mg/m <sup>3</sup> 8 hours.  |
| 2-Butoxyethanol                           | Legislative Decree No. 819/2008. Title IX. Protection from                                   |
|   | chemical agents, carcinogens and mutagens (Italy, 6/2020).<br>Absorbed through skin.         |
|   | 8 hours: 20 ppm 8 hours.   |
|   | 8 hours: 98 mg/m <sup>3</sup> 8 hours.   |
|   | Short Term: 50 ppm 15 minutes.   |
|   | Short Term: 246 mg/m <sup>3</sup> 15 minutes.  |
| Dipropyleneglycolmethylether              | Ministers Cabinet Regulations Nr.325 - AER (Latvia, 2/2021). []                              |
|   | Absorbed through skin.   |
|   | TWA: 50 ppm 8 hours.   |
|   | TWA: 308 mg/m <sup>3</sup> 8 hours.  |
| pipropyleneglycolmethylether              | Lithuanian Hygiene Standard HN 23 (Lithuania, 1/2021).                                       |
|   | Absorbed through skin.<br>TWA: 308 mg/m³ 8 hours.  |
|   | TWA: 50 ppm 8 hours.   |
|   | STEL: 450 mg/m <sup>3</sup> 15 minutes.  |
|   | STEL: 75 ppm 15 minutes.   |
| <b>D</b> ipropyleneglycolmethylether      | Grand-Duchy Regulation 2016. Chemical agents. Annex I  |
|   | (Luxembourg, 3/2021). [(2-methoxymethylethoxy)-propanol]                                     |
|   | Absorbed through skin.   |
|   | TWA: 50 ppm 8 hours.   |
| 2-Butoxyethanol                           | TWA: 308 mg/m <sup>3</sup> 8 hours.<br>Grand-Duchy Regulation 2016. Chemical agents. Annex I |
|   | (Luxembourg, 3/2021). Absorbed through skin.   |
|   | TWA: 20 ppm 8 hours.   |
|   | TWA: 98 mg/m <sup>3</sup> 8 hours.   |
|   | STEL: 50 ppm 15 minutes.   |
|   | STEL: 246 mg/m <sup>3</sup> 15 minutes.  |
| pipropyleneglycolmethylether              | EU OEL (Europe, 1/2022). [(2-Methoxymethylethoxy)-propanol]                                  |
|   | Absorbed through skin. Notes: list of indicative occupational                                |
|   | exposure limit values  |
|   | TWA: 50 ppm 8 hours.<br>TWA: 308 mg/m <sup>3</sup> 8 hours.                                  |
| 2-Butoxyethanol                           | EU OEL (Europe, 1/2022). Absorbed through skin. Notes: list                                  |
|   | of indicative occupational exposure limit values   |
|   | TWA: 20 ppm 8 hours.   |
|   | TWA: 98 mg/m <sup>3</sup> 8 hours.   |
|   | STEL: 50 ppm 15 minutes.   |
|   | STEL: 246 mg/m <sup>3</sup> 15 minutes.  |
| pipropyleneglycolmethylether              | Ministry of Social Affairs and Employment, Legal limit values                                |
|   | (Netherlands, 12/2022). [dipropylene glycolmethylether]                                      |
|   | OEL, 8-h TWA: 300 mg/m <sup>3</sup> 8 hours.<br>OEL, 8-h TWA: 48.7 ppm 8 hours.              |
| 2-Butoxyethanol                           | Ministry of Social Affairs and Employment, Legal limit values                                |
|   | (Netherlands, 12/2022). Absorbed through skin.   |
|   | OEL, 8-h TWA: 100 mg/m <sup>3</sup> 8 hours.   |
|   | STEL,15-min: 246 mg/m³ 15 minutes.   |
|   | OEL, 8-h TWA: 20.4 ppm 8 hours.  |
|   | STEL,15-min: 50 ppm 15 minutes.  |
| pipropyleneglycolmethylether              | FOR-2011-12-06-1358 (Norway, 12/2022). [Dipropylene glycol                                   |
|   | methyl ether] Absorbed through skin. Notes: indicative limit value                           |
|   | TWA: 50 ppm 8 hours.   |
|   | TWA: 300 mg/m <sup>3</sup> 8 hours.  |
| 2-Butoxyethanol                           | FOR-2011-12-06-1358 (Norway, 12/2022). Absorbed through                                      |
|   | skin. Notes: indicative limit value  |
|   | TWA: 10 ppm 8 hours.   |
|   | TWA: 50 mg/m <sup>3</sup> 8 hours.   |
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| <b>SECTION 8: Exposure cont</b>      | rols/personal protection  |
|--------------------------------------|---|
| Dipropyleneglycolmethylether         | Regulation of the Minister of Family, Labor and Social Policy<br>of 18 February 2021, regarding the highest permissible<br>concentrations and values of agents harmful to health in the<br>work environment (Journal of Laws 2021, item 325) (Poland,<br>2/2021). [dipropylene glycol methyl ether] Absorbed through<br>skin.<br>TWA: 240 mg/m <sup>3</sup> 8 hours.<br>STEL: 480 mg/m <sup>3</sup> 15 minutes. |
| 2-Butoxyethanol                      | Regulation of the Minister of Family, Labor and Social Policy<br>of 18 February 2021, regarding the highest permissible<br>concentrations and values of agents harmful to health in the<br>work environment (Journal of Laws 2021, item 325) (Poland,<br>2/2021). Absorbed through skin.<br>TWA: 98 mg/m <sup>3</sup> 8 hours.<br>STEL: 200 mg/m <sup>3</sup> 15 minutes.                                       |
| <b>D</b> ipropyleneglycolmethylether | Portuguese Institute of Quality (Portugal, 11/2014).<br>[2-Metoximetiletoxipropanol] Absorbed through skin.<br>TWA: 100 ppm 8 hours.<br>STEL: 150 ppm 15 minutes.   |
| 2-Butoxyethanol                      | Portuguese Institute of Quality (Portugal, 11/2014).<br>TWA: 20 ppm 8 hours.  |
| <b>D</b> ipropyleneglycolmethylether | HG 1218/2006, Annex 1, with subsequent modifications and additions (Romania, 3/2021). Absorbed through skin.<br>VLA: 308 mg/m <sup>3</sup> 8 hours.<br>VLA: 50 ppm 8 hours.   |
| Dipropyleneglycolmethylether         | Government regulation SR c. 355/2006 (Slovakia, 9/2020). []<br>Absorbed through skin.<br>TWA: 308 mg/m <sup>3</sup> , (2-methoxymetyl-ethoxypropanol) 8 hours.<br>TWA: 50 ppm, (2-methoxymetyl-ethoxypropanol) 8 hours.   |
| Dipropyleneglycolmethylether         | Regulation on protection of workers from the risks related to<br>exposure to chemical substances at work (Slovenia, 5/2021). []<br>Absorbed through skin.<br>TWA: 308 mg/m <sup>3</sup> 8 hours.<br>TWA: 50 ppm 8 hours.<br>KTV: 50 ppm, 4 times per shift, 15 minutes.<br>KTV: 308 mg/m <sup>3</sup> , 4 times per shift, 15 minutes.  |
| 2-Octyl-2H-isothiazol-3-one          | Regulation on protection of workers from the risks related to<br>exposure to chemical substances at work (Slovenia, 5/2021).<br>Absorbed through skin.<br>TWA: 0.05 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction<br>KTV: 0.1 mg/m <sup>3</sup> , 4 times per shift, 15 minutes. Form: Inhalable<br>fraction  |
| Dipropyleneglycolmethylether         | National institute of occupational safety and health (Spain,<br>4/2022). [Dipropylene glycol methyl ether] Absorbed through<br>skin.<br>TWA: 50 ppm 8 hours.<br>TWA: 308 mg/m <sup>3</sup> 8 hours.   |
| 2-Butoxyethanol                      | National institute of occupational safety and health (Spain,<br>4/2022). Absorbed through skin.<br>TWA: 20 ppm 8 hours.<br>TWA: 98 mg/m <sup>3</sup> 8 hours.<br>STEL: 245 mg/m <sup>3</sup> 15 minutes.<br>STEL: 50 ppm 15 minutes.  |
| Dipropyleneglycolmethylether         | Work environment authority Regulation 2018:1 (Sweden,<br>9/2021). [dipropylene glycol monomethyl ether] Absorbed<br>through skin.<br>TWA: 50 ppm 8 hours.<br>TWA: 300 mg/m <sup>3</sup> 8 hours.<br>STEL: 75 ppm 15 minutes.  |
| 2-Butoxyethanol                      | STEL: 450 mg/m <sup>3</sup> 15 minutes.<br>Work environment authority Regulation 2018:1 (Sweden,<br>9/2021). Absorbed through skin.<br>TWA: 10 ppm 8 hours.   |

|   | TWA: 50 mg/m <sup>3</sup> 8 hours.<br>STEL: 50 ppm 15 minutes.<br>STEL: 246 mg/m <sup>3</sup> 15 minutes.   |
|---|---|
| Dipropyleneglycolmethylether  | SUVA (Switzerland, 1/2023). [Dipropylene glycol methyl ether<br>(mixture of isomers)]<br>STEL: 50 ppm 15 minutes. Form: vapour and aerosols<br>STEL: 300 mg/m <sup>3</sup> 15 minutes. Form: vapour and aerosols<br>TWA: 50 ppm 8 hours. Form: vapour and aerosols<br>TWA: 300 mg/m <sup>3</sup> 8 hours. Form: vapour and aerosols |
| 2-Butoxyethanol   | SUVA (Switzerland, 1/2023). Absorbed through skin.<br>TWA: 10 ppm 8 hours.<br>TWA: 49 mg/m <sup>3</sup> 8 hours.<br>STEL: 20 ppm 15 minutes.<br>STEL: 98 mg/m <sup>3</sup> 15 minutes.  |
| 2-Octyl-2H-isothiazol-3-one   | SUVA (Switzerland, 1/2023). Absorbed through skin. Skin<br>sensitiser.<br>TWA: 0.05 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction<br>STEL: 0.1 mg/m <sup>3</sup> 15 minutes. Form: Inhalable fraction   |
| reaction mass of: 5-chloro-2-methyl-<br>4-isothiazolin-3-one [EC no. 247-500-7] and<br>2-methyl-2H-isothiazol-3-one [EC no.<br>220-239-6] (3:1) | SUVA (Switzerland, 1/2023). Skin sensitiser.  |
|   | STEL: 0.4 mg/m <sup>3</sup> 15 minutes. Form: Inhalable fraction TWA: 0.2 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction   |
| Dipropyleneglycolmethylether  | EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed<br>through skin.<br>TWA: 308 mg/m <sup>3</sup> 8 hours.<br>TWA: 50 ppm 8 hours.  |
| 2-Butoxyethanol   | EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed<br>through skin.<br>STEL: 50 ppm 15 minutes.<br>TWA: 25 ppm 8 hours.<br>STEL: 246 mg/m <sup>3</sup> 15 minutes.<br>TWA: 123 mg/m <sup>3</sup> 8 hours.   |
| Ammonia   | EH40/2005 WELs (United Kingdom (UK), 1/2020). [ammonia<br>anhydrous]<br>STEL: 25 mg/m <sup>3</sup> 15 minutes. Form: anhydrous<br>STEL: 35 ppm 15 minutes. Form: anhydrous<br>TWA: 25 ppm 8 hours. Form: anhydrous<br>TWA: 18 mg/m <sup>3</sup> 8 hours. Form: anhydrous  |

#### **Biological exposure indices**

| Product/ingredient na            | ne Exposure indices   |
|----------------------------------|---|
| No exposure indices known.       |   |
| 2-Butoxyethanol                  | Government regulation of Czech Republic Limit Values of<br>Biological Exposure Tests (Czech Republic, 9/2015)<br>Biological limit values: 0.17 mmol/mmol creatinine, butoxyacetic<br>acid (after hydrolysis) [in urine]. Sampling time: the end of the shift<br>at the end of the week.<br>Biological limit values: 200 mg/g creatinine, butoxyacetic acid<br>(after hydrolysis) [in urine]. Sampling time: the end of the shift at<br>the end of the week. |
| No exposure indices known.       |   |
| No exposure indices known.       |   |
| No exposure indices known.       |   |
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| No exposure indices known.           |  |
|--------------------------------------|--|
| No exposure indices known.           |  |
| 2-Butoxyethanol                      | <ul> <li>DFG BEI-values list (Germany, 7/2022) Notes: danger from percutaneous absorption (see p. 211 and p. 228).</li> <li>BEI: 150 mg/g creatinine, butoxyacetic acid (after hydrolysis) [in urine]. Sampling time: end of exposure or end of shift / for long-term exposures: at the end of the shift after several shifts.</li> <li>TRGS 903 - BEI Values (Germany, 2/2022)</li> <li>BEI: 150 mg/g creatinine, butoxy acetic acid (after hydrolysis) [in urine]. Sampling time: end of exposure or end of shift; for long-term exposures: at the end of shift after several shifts.</li> </ul>   |
| No exposure indices known.           |  |
| 2-Butoxyethanol                      | <b>Portuguese Institute of Quality (Portugal, 11/2014)</b><br>BEI: 200 mg/g creatinine, butoxyacetic acid (BAA) [in urine].<br>Sampling time: end of shift.  |
| No exposure indices known.           |  |
| No exposure indices known.           |  |
| No exposure indices known.           |  |
| 2-Butoxyethanol                      | National institute of occupational safety and health (Spain,<br>4/2022)<br>VLB: 200 mg/g creatinine, butoxyacetic acid [in urine]. Sampling<br>time: end of shift.   |
| No exposure indices known.           |  |
| 2-Butoxyethanol                      | <b>SUVA (Switzerland, 1/2023)</b><br>BEI: 150 mg/g creatinine, 2-butoxy acetic acid (after hydrolisis) [iuurine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.  |
| 2-Butoxyethanol                      | <b>EH40/2005 BMGVs (United Kingdom (UK), 8/2018)</b><br>BGV: 240 mmol/mol creatinine, butoxyacetic acid [in urine].<br>Sampling time: post shift.  |
| Recommended monitoring<br>procedures | : Reference should be made to monitoring standards, such as the following:<br>European Standard EN 689 (Workplace atmospheres - Guidance for the<br>assessment of exposure by inhalation to chemical agents for comparison with limit<br>values and measurement strategy) European Standard EN 14042 (Workplace<br>atmospheres - Guide for the application and use of procedures for the assessment<br>of exposure to chemical and biological agents) European Standard EN 482<br>(Workplace atmospheres - General requirements for the performance of procedures<br>for the measurement of chemical agents) Reference to national guidance<br>documents for methods for the determination of hazardous substances will also be<br>required. |
| DNELs/DMELs                          |  |

| Product/ingredient name   | Туре  | Exposure                 | Value                   | Population            | Effects   |
|---|-------|--------------------------|-------------------------|-----------------------|-----------|
| propyleneglycolmethylether  | DNEL  | Long term Oral           | 36 mg/kg                | General               | Systemic  |
|   | DNEL  | Long term                | bw/day<br>37.2 mg/m³    | population<br>General | Systemic  |
|   | DINEL | Inhalation               | 57.2 mg/m               | population            | Systemic  |
|   | DNEL  | Long term Dermal         | 121 mg/kg               | General               | Systemic  |
|   |       |                          | bw/day                  | population            | -         |
|   | DNEL  | Long term Dermal         | 283 mg/kg<br>bw/day     | Workers               | Systemic  |
|   | DNEL  | Long term<br>Inhalation  | 308 mg/m <sup>3</sup>   | Workers               | Systemic  |
| 2-Butoxyethanol   | DNEL  | Long term Oral           | 6.3 mg/kg               | General               | Systemic  |
|   | DNEL  | Short term Oral          | bw/day<br>26.7 mg/      | population<br>General | Systemic  |
|   |       | onort term ora           | kg bw/day               | population            | Oysternie |
|   | DNEL  | Long term                | 59 mg/m <sup>3</sup>    | General               | Systemic  |
|   |       | Inhalation               | -                       | population            |           |
|   | DNEL  | Long term                | 98 mg/m³                | Workers               | Systemic  |
|   | DNEL  | Inhalation<br>Short term | 147 mg/m³               | General               | Local     |
|   | DINEL | Inhalation               | 147 mg/m                | population            | LUCAI     |
|   | DNEL  | Short term               | 246 mg/m <sup>3</sup>   | Workers               | Local     |
|   |       | Inhalation               | Ū                       |                       |           |
|   | DNEL  | Short term               | 426 mg/m <sup>3</sup>   | General               | Systemic  |
|   |       | Inhalation               | 1001                    | population            |           |
|   | DNEL  | Short term<br>Inhalation | 1091 mg/<br>m³          | Workers               | Systemic  |
| l,2-benzisothiazol-3(2H)-one  | DNEL  | Long term Dermal         | 0.345 mg/               | General               | Systemic  |
|   |       | Long toni Donna          | kg bw/day               | population            | oyotonno  |
|   | DNEL  | Long term Dermal         | 0.966 mg/<br>kg bw/day  | Workers               | Systemic  |
|   | DNEL  | Long term                | 1.2 mg/m <sup>3</sup>   | General               | Systemic  |
|   |       | Inhalation               |                         | population            |           |
|   | DNEL  | Long term<br>Inhalation  | 6.81 mg/m <sup>3</sup>  | Workers               | Systemic  |
| 2-methyl-2H-isothiazol-3-one  | DNEL  | Long term                | 0.021 mg/               | General               | Local     |
|   | DIVEL | Inhalation               | m <sup>3</sup>          | population            | Loodi     |
|   | DNEL  | Long term                | 0.021 mg/               | Workers               | Local     |
|   |       | Inhalation               | m³                      |                       |           |
|   | DNEL  | Long term Oral           | 0.027 mg/               | General               | Systemic  |
|   | DNEL  | Short term               | kg bw/day<br>0.043 mg/  | population<br>General | Local     |
|   |       | Inhalation               | m <sup>3</sup>          | population            | LUCAI     |
|   | DNEL  | Short term               | 0.043 mg/               | Workers               | Local     |
|   |       | Inhalation               | m³                      |                       |           |
|   | DNEL  | Short term Oral          | 0.053 mg/               | General               | Systemic  |
| eaction mass of: 5-chloro-2-methyl-   | DNEL  | Long term                | kg bw/day<br>0.02 mg/m³ | population<br>General | Local     |
| 4-isothiazolin-3-one [EC no.<br>247-500-7] and 2-methyl-2H-<br>sothiazol-3-one [EC no. 220-239-6] | DNLL  | Inhalation               | 0.02 mg/m               | population            | LUCAI     |
| (3:1)   |       |                          |                         |                       |           |
| ()  | DNEL  | Long term<br>Inhalation  | 0.02 mg/m <sup>3</sup>  | Workers               | Local     |
|   | DNEL  | Short term               | 0.04 mg/m <sup>3</sup>  | General               | Local     |
|   |       | Inhalation               | 5.5 mg/m                | population            | Loodi     |
|   | DNEL  | Short term<br>Inhalation | 0.04 mg/m <sup>3</sup>  | Workers               | Local     |
|   | DNEL  | Long term Oral           | 0.09 mg/                | General               | Systemic  |
|   |       |                          | kg bw/day               | population            |           |
|   | DNEL  | Short term Oral          | 0.11 mg/                | General               | Systemic  |
|   |       |                          | kg bw/day               | population            |           |

#### **PNECs**

No PNECs available

#### **SECTION 8: Exposure controls/personal protection**

| Appropriate engineering controls | : Good general ventilation should be sufficient to control worker exposure to airborn contaminants.  |
|----------------------------------|--|
| Individual protection meas       |  |
| 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 clothin<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 wit side-shields.  |
| Skin protection                  |  |
| Hand protection                  | : Chemical-resistant, impervious gloves complying with an approved standard shou<br>be worn at all times when handling chemical products if a risk assessment indicate<br>this is necessary. Considering the parameters specified by the glove manufacture<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                  | : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.  |
| 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   |
| Environmental exposure controls  | : Emissions from ventilation or work process equipment should be checked to<br>ensure they comply with the requirements of environmental protection legislation.<br>In some cases, fume scrubbers, filters or engineering modifications to the process<br>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

| <u>Appearance</u>                          |                  |
|--|------------------|
| Physical state                             | : Liquid.        |
| Colour                                     | : Various        |
| Odour                                      | : Slight         |
| Odour threshold                            | : Not available. |
| Melting point/freezing point               | : Not available. |
| Initial boiling point and<br>boiling range | :                |

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| Ingredient name                            |       | °C                                     | °F         | Method  |  |
|--|-------|--|------------|---------|--|
| water                                      |       | 100                                    | 212        |         |  |
| Dipropyleneglycolmethylether               |       | 189.6                                  | 373.3      | EU A.2  |  |
| Flammability                               | : No  | t available.                           | ł          |         |  |
| ower and upper explosion                   |       | wer: Not applicat<br>per: Not applicat |            |         |  |
| Flash point                                | : Clo | sed cup: >100°0                        | C (>212°F) |         |  |
| Auto-ignition temperature                  | :     |  |            |         |  |
| Ingredient name                            |       | °C                                     | °F         | Method  |  |
| Dipropyleneglycolmethylether               |       | 207                                    | 404.6      | EU A.15 |  |
| Decomposition temperature                  | : No  | t available.                           | 1          |         |  |
| рΗ   | : 8.9 | to 9.3                                 |            |         |  |
| /iscosity                                  | : No  | t available.                           |            |         |  |
| Solubility(ies)                            | :     |  |            |         |  |
| Not available.                             |       |  |            |         |  |
| Solubility in water                        | : No  | t available.                           |            |         |  |
| Partition coefficient: n-octanol/<br>water | : No  | t applicable.                          |            |         |  |
| /apour pressure                            |       |  |            |         |  |

#### Vapour pressure

|                          | Vapour Pressure at 20°C |             |        | Vapour pressure at 50°C |     |        |
|--------------------------|-------------------------|-------------|--------|-------------------------|-----|--------|
| Ingredient name          | mm Hg                   | kPa         | Method | mm Hg                   | kPa | Method |
| water                    | 17.5                    | 2.3         |        |                         |     |        |
| Relative density         | : Not                   | available.  |        |                         | 1   |        |
| Density                  | : 1 g/                  | cm³         |        |                         |     |        |
| Vapour density           | : Not                   | available.  |        |                         |     |        |
| Explosive properties     | : Not                   | available.  |        |                         |     |        |
| Oxidising properties     | : Not                   | available.  |        |                         |     |        |
| Particle characteristics |                         |             |        |                         |     |        |
| Median particle size     | : Not                   | applicable. |        |                         |     |        |

# **SECTION 10: Stability and reactivity**

| 10.1 Reactivity                            | : No specific test data related to reactivity available for this product or its ingredient             | ts. |
|--|--|-----|
| 10.2 Chemical stability                    | : The product is stable.   |     |
| 10.3 Possibility of<br>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. |     |

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## **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-benzisothiazol-3(2H)- one  | LD50 Oral                       | Rat     | 1020 mg/kg | -        |  |
| 2-methyl-2H-isothiazol-<br>3-one   | LC50 Inhalation Dusts and mists | Rat     | 0.11 mg/l  | 4 hours  |  |
| 2-Octyl-2H-isothiazol-3-one  | LD50 Dermal                     | Rabbit  | 690 mg/kg  | -        |  |
| -  | LD50 Oral                       | Rat     | 550 mg/kg  | -        |  |
| reaction mass of: 5-chloro-<br>2-methyl-4-isothiazolin-<br>3-one [EC no. 247-500-7]<br>and 2-methyl-2H-isothiazol-<br>3-one [EC no. 220-239-6] (3:<br>1) | LD50 Oral                       | Rat     | 53 mg/kg   | -        |  |
| <b>Conclusion/Summary</b> : Based on available data, the classification criteria are not met.  |                                 |         |            |          |  |

#### Acute toxicity estimates

| Route              | ATE value    |
|--------------------|--------------|
| halation (vapours) | 1010.58 mg/l |

#### Irritation/Corrosion

| Product/ingredient name   | Result                   | Species | Score | Exposure     | Observation |
|---|--------------------------|---------|-------|--------------|-------------|
| <b>D</b> ipropyleneglycolmethylether  | Eyes - Mild irritant     | Human   | -     | 8 mg         | -           |
|   | Eyes - Mild irritant     | Rabbit  | -     | 24 hours 500 | -           |
|   |                          |         |       | mg           |             |
|   | Skin - Mild irritant     | Rabbit  | -     | 500 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  |                          | Human   | -     | 48 hours 5 % | -           |
| 2-Octyl-2H-isothiazol-3-one   | Eyes - Severe irritant   | Rabbit  | -     | 100 mg       | -           |
| reaction mass of: 5-chloro-   | Skin - Severe irritant   | Human   | -     | 0.01 %       | -           |
| 2-methyl-4-isothiazolin-  |                          |         |       |              |             |
| 3-one [EC no. 247-500-7]  |                          |         |       |              |             |
| and 2-methyl-2H-isothiazol-   |                          |         |       |              |             |
| 3-one [EC no. 220-239-6] (3:  |                          |         |       |              |             |
| 1)  |                          |         |       |              |             |
| <b>Conclusion/Summary</b> : Based on available data, the classification criteria are not met. |                          |         |       |              |             |

| <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 criteria are not met. |
| Reproductive toxicity          |   |   |
| <b>Conclusion/Summary</b>      | : | 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 | Ц | <u>single exposure)</u>   |
| Not available.                 |   |   |

: May cause an allergic skin reaction.

<u>Specific target organ toxicity (repeated exposure)</u> Not available.

#### **Aspiration hazard**

**Sensitisation** 

Conclusion/Summary

# **SECTION 11: Toxicological information**

Not available.

| Information on likely routes 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 phy              | ical, 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. |
|-----------|---------------------|
| ingestion | · No specific data. |

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

| Short term exposure          |  |                     |
|------------------------------|--|---------------------|
| Potential immediate effects  | ot available.  |                     |
| Potential delayed effects    | ot available.  |                     |
| Long term exposure           |  |                     |
| Potential immediate effects  | ot available.  |                     |
| Potential delayed effects    | ot available.  |                     |
| Potential chronic health eff |  |                     |
| Not available.               |  |                     |
| <b>Conclusion/Summary</b>    | ot available.  |                     |
| General                      | nce sensitized, a severe allergic reaction may occur when s very low levels. | ubsequently exposed |
| Carcinogenicity              | hown significant effects or critical hazards.                                |                     |
| Mutagenicity                 | o known significant effects or critical hazards.                             |                     |
| Reproductive toxicity        | hown significant effects or critical hazards.                                |                     |

#### 11.2 Information on other hazards

| <b>11.2.1 Endocrine disrupting properties</b> |
|---|
| 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-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 - Daphnia Magna        | 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-2H-isothiazol-3-one | Acute EC50 0.18 ppm Fresh water      | Daphnia - Daphnia magna        | 48 hours |
| -                            | Acute LC50 0.07 ppm Fresh water      | Fish - Oncorhynchus mykiss     | 96 hours |
| 2-Octyl-2H-isothiazol-3-one  | Acute EC50 107 ppb Fresh water       | Daphnia - Daphnia magna        | 48 hours |
| -                            | Acute LC50 47 ppb Fresh water        | Fish - Oncorhynchus mykiss     | 96 hours |
|                              | Chronic NOEC 74 ppb Fresh water      | Daphnia - Daphnia magna        | 21 days  |
|                              | Chronic NOEC 8.5 ppb                 | Fish - Pimephales promelas     | 35 days  |

| 2.2 Persistence and degrada  | bility            |                       |              |       |                  |
|------------------------------|-------------------|-----------------------|--------------|-------|------------------|
| Product/ingredient name      | Test              | Result                |              | Dose  | Inoculum         |
| 7,2-benzisothiazol-3(2H)-one | EU                | 24 % - 28 days        | -            |       | -                |
| Conclusion/Summary           | : This product ha | as not been tested fo | r biodegrada | tion. |                  |
| Product/ingredient name      | Aquatic half-life |                       | Photolysis   |       | Biodegradability |
| 2-benzisothiazol-3(2H)-one   | -                 |                       | -            |       | Inherent         |

#### 12.3 Bioaccumulative potential

| Product/ingredient name              | LogP <sub>ow</sub> | BCF | Potential |
|--------------------------------------|--------------------|-----|-----------|
| <b>D</b> ipropyleneglycolmethylether | 0.004              | -   | Low       |
| 2-Butoxyethanol                      | 0.81               | -   | Low       |
| 1,2-benzisothiazol-3(2H)-one         | -                  | 3.2 | Low       |
| 2-Octyl-2H-isothiazol-3-one          | 2.45               | -   | Low       |

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

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#### **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.

: Not relevant/applicable due to nature of the product.

14.7 Maritime transport in bulk according to IMO instruments

#### **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

Date of issue/Date of revision AQUATOP 2600-92 - All variants : 11/10/2023 Date of previous issue

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Version : 1.01 19/24 Label No : #8049

| Image: Second  |            |  | %  | Designation  | [Usage]   |  |
|--|------------|--|--|--|---|--|
| ther EU regulations<br>industrial emissions : Not listed<br>integrated pollution<br>prevention and control) -<br>Ar<br>industrial emissions : Not listed<br>integrated pollutions : Not listed<br>integrated pollutions : Not listed<br>provention and control) -<br>Water<br>Explosive precursors : Kot applicable.<br>Dzone dopleting substances (1005/2009/EU)<br>Not listed.<br>Prior Informed Consent (PIC) (649/2012/EU)<br>Not listed.<br>Prior Informed Consent (PIC) (649/2012/EU)<br>Not listed.<br>Seveso Directive<br>This product is not controlled under the Seveso Directive.<br>ational regulations<br>Austria<br>VoF class : Not regulated.<br>Limitation of the use of : Permitted.<br>Drangen context : Seveso Directive.<br>Storage code :<br>Product registration :<br>Product registration :<br>Product registration :<br>Protection based on MAL :<br>Central: Gloves must be worn for all work hard may required. The guiard is solven to all work hard may be our any own involving coded products, the followin<br>stipulations apply to the use of personal protective equipment:<br>Coveralis/protective based on MAL :<br>Forcording to the regulations on work involving coded products, the followin<br>stipulations apply to the use of personal protective equipment:<br>Coveral: Gloves must be worn for all work that may required. A face<br>while d must be worn in work involving solvent the regulared. In the<br>case, other recommended use of exportection is not required. In the<br>case, other recommended use of exportection is not required. In the<br>case, other recommended use of exportections is not required. In the<br>case, other recommended use of exportections is not required. In the<br>case, other recommended use of exportections is not required. In the<br>case, other recommended use of exportections is not required. In the<br>case, other recommended use of exportections is not required. In the<br>case, other recommended use of exportections is not required. In the<br>case, other recommended use of exportections is not required. In the<br>case, other recommended use of exportections is not required. In the<br>case, other recommended use of exportections is not require   |            |  | ≥90  | 3  |   |  |
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| integrated pollution<br>prevention and control) -<br>Wr<br>dustrial emissions : Not listed<br>integrated pollution<br>prevention and control) -<br>Water<br>Explosive procursors : Not applicable.<br>Dzone dopleting substances (1005/2009/EU)<br>Not listed.<br>Profile Informed Consent (PIC) (549/2012/EU)<br>Not listed.<br>Profile Consent (PIC) (549/2012/EU)<br>Profile Consent (PIC) (549/2012/EU)  |            |  |  |  |   |  |
| integrated pollution<br>prevention and control) -<br>Nr<br>andustrial emissions : Not listed<br>integrated pollution<br>prevention and control) -<br>Water<br>Explosive precursors : Kot applicable.<br>Data dopleting substances (1005/2009/EU)<br>Not listed.<br>Prois Informed Consent (PIC) (649/2012/EU)<br>Not listed.<br>Promised Informed Consent (PIC) (649/2012/EU)<br>Promotection based on MAL<br>Consent I Formation of the use of personal protective equipment:<br>Consent I Gives must be worn for all work involving coded products, the followid<br>stipulations apply to the use of personal protective equipment:<br>Consent I Gives must be worn when solling is so great that regular work<br>cohere as instructed.<br>MAL-code: 00-1<br>Application: When spraying in existing* spray booths, If the operator is outside t<br>spray zone.<br>- Arm protectors must be worn.   | : N        | lot listed   |  |  |   |  |
| Ar<br>ndustrial emissions : Not listed<br>integrated pollution<br>revention and control) -<br>Vater<br>Explosive precursors : Not applicable.<br>Drone dopleting substances (1005/2009/EU)<br>Not listed.<br>Profile Informed Consent (PIC) (649/2012/EU)<br>Not listed.<br>Profile Informed Consent (PIC) (649/2012/EU)<br>Profile Informed Consent (PIC) (649/2012/EU)<br>Not listed.<br>Profile Informed Consent (PIC) (649/2012/EU)<br>Not listed.<br>Profile Informed Consent (PIC) (649/2012/EU)<br>Not listed.<br>Profile Informed Consent Informed Consent (PIC) (649/2012/EU)<br>Not listed.<br>Profile Informed Consent Informed Consent (PIC) (649/2012/EU)<br>Not listed.<br>Profile Informed Consent Inform   |            |  |  |  |   |  |
| ndustrial emissions : Not listed<br>integrated pollution<br>Yater<br>Explosive procursors : Not applicable.<br>Zone depleting substances (1005/2009/EU)<br>Not listed.<br>Prior Informed Consent (PIC) (649/2012/EU)<br>Not listed.<br>Prior Informed Consent (PIC) (649/2012/EU)<br>Not listed.<br>Presistent Organic Pollutants<br>Not regulated.<br>Presistent Organic Pollutants<br>Number<br>Product registration : Premitted.<br>Product registration : Presitent<br>Protection based on MAL : Proofing to the regulations on work involving coded products, the followil<br>stipulations apply to the use of personal protective equipment:<br>Ceneral: Gloves must be worn for all work that may result in solling. Apron/<br>coveralis/protective clothing must be worn work involving is so great that regular wo<br>cobers do not adequately protect sin against contact. A face<br>shield must be worn in work involving spatiering if a full mask is not required. In all espraying operations in which there is return spray, the following must be worn<br>respiratory protection and arm protectors/apron/coveralls/protective clothing as<br>appropriate or as instructed.<br>WAL-code: 00-1<br>Application: When spraying in existing* spray booths, if the operator is outside t<br>spray zone.<br>- Arm protectors must be worn.   |            |  |  |  |   |  |
| Integrated pollution<br>prevention and control) -<br>Vater<br>Explosive precursors : Not applicable.<br>Data depleting substances (1005/2009/EU)<br>Not listed.<br>Prior Informed Consent (PIC) (649/2012/EU)<br>Not listed.<br>Prostent Prostent (PIC) (649/2012/EU)<br>Not listed.<br>Prostent Prostent (PIC) (649/2012/EU)<br>Not listed.<br>Prostent Prostent (PIC) (649/2012/EU)<br>Prostent (PIC) (649/2012/EU)<br>Prostent Prostent (PIC) (649/2012/EU)<br>Prostent Prostent (PIC) (649/2012/EU)<br>Prostent Prostent (PIC) (649/2012/EU)<br>Prostent (PIC) (PI   |            | 1.4.12.4.1   |  |  |   |  |
| Sevention and control) - Water         Vater         Scylosive precursors : Not applicable.         Dzone depleting substances (1005/2009/EU)         Not listed.         Prior Informed Consent (PIC) (649/2012/EU)         Not listed.         Seveso Directive         This product is not controlled under the Seveso Directive.         ational regulations         Matria         V/F Class : Not regulated.         Limitation of the use of : Permitted.         reganic Solvents         Exect Republic         Storage code : IV         Product registration : F186130         number         Protection based on MAL         Protection based on MAL         Several Construction is tipulations apply to the use of personal protective equipment:         Coveralle/protective cloing must be worn when soling. Apron/ coveralle/protective cloing must be worn when soling. Apron/ coveralle/protective cloin the regulations is so great that regular we clohes do not adequately protect skin against contact with the product. A face is shield must be worn in work involving spattering if a full mask is not required.         In all spraying operations in which there is return spray, the following must be worn respiratory protection and arm protectors/apron/coveralls/protective clothing as appropriate or as instructed.         WAL-code: 00-1       Application: When spraying in existing* spray booths, if the operator is o   | : r        | lot listed   |  |  |   |  |
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| Not listed. Persistent Organic Pollutants Not listed. Seveso Directive This product is not controlled under the Seveso Directive. attional regulations Austria VoF class Limitation of the use of Creach Republic Storage code Sto   |            | 340/2012/EI  | un l   |  |   |  |
| Versistent Organic Pollutants         Not listed.         Seveso Directive         This product is not controlled under the Seveso Directive.         ational regulations         Austria         Avistria         Storage code         File         Storage code         File         Product registration         File         Product registration         File         Protection based on MAL         Avistria         Avistria         Avistria         Avistria         Protection based on MAL         Avistria         Avistria         Avistria         Coording to the regulations on work involving coded products, the foll   |            | <u>049/2012/20</u>   | 0)   |  |   |  |
| Not listed. Seveso Directive This product is not controlled under the Seveso Directive. Austria Austria A/bF class i Not regulated. Limitation of the use of reganic solvents Seech Republic Storage code i  |            |  |  |  |   |  |
| Seveso Directive         This product is not controlled under the Seveso Directive.         ational regulations         Austria         //bF class       : Not regulated.         Limitation of the use of organic solvents       : Permitted.         Zecch Republic       :         Storage code       : V         Permatk       :         Product registration       : V         Danish fire class       : V-1         MAL-code       : D0-1         Protection based on MALL       : According to the regulations on work involving coded products, the followin stipulations apply to the use of personal protective equipment:         Storage Code       : D0-1         Protection based on MALL       : According to the regulations on work involving coded products, the followin stipulations apply to the use of personal protective equipment:         Storage Code       : D0-1         Protection based on MALL       : According to the regulations on work involving solve the spraving in a solution solve on in work involving spattering if a full mask is not required.         In all spraying operations in which there is return spray, the following must be worn respiratory protection and arm protectors/apron/coveralls/protective clothing as appropriate or as instructed.         MAL-code: 00-1       Application: When spraying in existing* spray booths, if the operator is outside t spray zone.         - Arm  | <u>nts</u> |  |  |  |   |  |
| This product is not controlled under the Seveso Directive.<br>Austria<br>Austria<br>Austria<br>Austria<br>Austria<br>Austria<br>Austria<br>Austria<br>Austria<br>Austria<br>Austria<br>Austria<br>Austria<br>Austria<br>Austria<br>Austria<br>Austria<br>Catech Republic<br>Storage code : Permitted.<br>Storage |            |  |  |  |   |  |
| autional regulations          Austria          Austria          //>// Class          Not regulated.         Limitation of the use of organic solvents           Permitted.         Storage code             Permitted.         Storage code                 Product registration number                 Poduct registration protection based on MAL                 Protection based on MAL                 Protection based on MAL                 Protection based on MAL                 Protection based on MAL               Protection based on MAL               Seneral: Gloves must be worn in work involving spatter   |            |  |  |  |   |  |
| Austria       /bF class       : Not regulated.         /bF class       : Permitted.         .imitation of the use of organic solvents       : Permitted.         Storage code       : Image: Storage code       : Image: Storage code         Storage code       : Image: Storage code       : Image: Storage code         Storage code       : Image: Storage code       : Image: Storage code         Product registration       : Image: Storage code       : Image: Storage code         Product registration       : Image: Storage code       : Image: Storage code         Product registration       : Image: Storage code       : Image: Storage code         Product registration       : Image: Storage code       : Image: Storage code         Product registration       : Image: Storage code       : Image: Storage code         Protection based on MAL       : Image: Storage code       : Image: Storage code         Protection based on MAL       : Image: Storage code       : Image: Storage code         Protection based on MAL       : Image: Storage code       : Image: Storage code         Protection based on MAL       : Image: Storage code       : Image: Storage code         Storage code       : Image: Storage code       : Image: Storage code       : Image: Storage code         Stored code       : Image: Storage co  | und        | er the Seve  | eso Directi  | ve.  |   |  |
| http://bf.class       :       Not regulated.         Limitation of the use of organic solvents       :       Permitted.         Storage code       :       Image: Solvents         Solvents  |            |  |  |  |   |  |
| Limitation of the use of organic solvents       Permitted.         Szech Republic       Storage code       :         Storage code       :       Image: Solvents         Szech Republic       Storage code       :         Storage code       :       Image: Solvents         Szech Republic       Storage code       :         Storage code       :       Image: Solvents         Denmark       :       Image: Solvents         Product registration number       :       Image: Solvents         Danish fire class       :       Image: Solvents         AAL-code       :       Image: Solvents         Protection based on MAL       :       Image: Solvents to the use of personal protective equipment:         General:       Gloves must be worn for all work that may result in soiling. Apron/coveralls/protective clothing must be worn when soiling is so great that regular word clothes do not adequately protect skin against contact with the product. A face shield must be worn in work involving spattering if a full mask is not required.         In all spraying operations in which there is return spray, the following must be wor respiratory protection and arm protectors/apron/coveralls/protective clothing as appropriate or as instructed.         Imall spray zone.       - Arm protectors must be worn.         - Arm protectors must be worn.       - Arm protectors must be worn.   <  |            |  |  |  |   |  |
| arganic solvents         Sczech Republic         Storage code       :         Storage code       :         Denmark         Product registration       :         Protection based on MAL       :         Protection based on MAL       :         General:       Gloves must be worn for all work that may result in soiling. Apron/<br>coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. A face shield must be worn in work involving spattering if a full mask is not required. In the case, other recommended use of eye protection is not required. In the case, other recommended use of eye protection is not required.         In all spraying operations in which there is return spray, the following must be worr respiratory protection and arm protectors/apron/coveralls/protective clothing as appropriate or as instructed.         MAL-code:       :         MAL-code:       :         .       Arm protectors must be worn.  | : N        | lot regulate   | d.   |  |   |  |
| Storage code       :       Image: Code       :       :       :   | : F        | Permitted.   |  |  |   |  |
| Storage code       :       Image: Code       :       Image: Code       :       Image: Code       :       Image: Code       : <td::< td="">       :       <td::::::::::< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td::::::::::<></td::<>   |            |  |  |  |   |  |
| Demark         Product registration       : #186130         Dumber       : :::::::::::::::::::::::::::::::::::   |            |  |  |  |   |  |
| Product registration<br>number:#186130Danish fire class<br>MAL-code:!Protection based on MAL:!Protection based on MAL:Ccording to the regulations on work involving coded products, the followi<br>stipulations apply to the use of personal protective equipment:General:Gloves must be worn for all work that may result in soiling. Apron/<br>coveralls/protective clothing must be worn when soiling is so great that regular wor<br>clothes do not adequately protect skin against contact with the product. A face<br>shield must be worn in work involving spattering if a full mask is not required. In th<br>case, other recommended use of eye protection is not required. In th<br>case, other recommended use of eye protectors/apron/coveralls/protective clothing as<br>appropriate or as instructed.MAL-code:00-1<br>Application:MAL-code:00-1<br>Application:When spraying in existing* spray booths, if the operator is outside t<br>spray zone.<br>- Arm protectors must be worn.  | : 🖡        | V  |  |  |   |  |
| number         Danish fire class       :         MAL-code       :         Øortection based on MAL       :         Protection based on MAL       :         General: Gloves must be worn for all work that may result in soiling. Apron/<br>coveralls/protective clothing must be worn when soiling is so great that regular wor<br>clothes do not adequately protect skin against contact with the product. A face<br>shield must be worn in work involving spattering if a full mask is not required. In the<br>case, other recommended use of eye protection is not required.         In all spraying operations in which there is return spray, the following must be wor<br>respiratory protection and arm protectors/apron/coveralls/protective clothing as<br>appropriate or as instructed.         MAL-code: 00-1<br>Application: When spraying in existing* spray booths, if the operator is outside t<br>spray zone.         - Arm protectors must be worn.  |            |  |  |  |   |  |
| Danish fire class       :       IN-1         MAL-code       :       IO-1         Protection based on MAL       :       According to the regulations on work involving coded products, the following stipulations apply to the use of personal protective equipment:         General:       Gloves must be worn for all work that may result in soiling. Apron/ coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. A face shield must be worn in work involving spattering if a full mask is not required. In the case, other recommended use of eye protection is not required.         In all spraying operations in which there is return spray, the following must be worr respiratory protection and arm protectors/apron/coveralls/protective clothing as appropriate or as instructed.         MAL-code:       00-1         Application:       When spraying in existing* spray booths, if the operator is outside the spray zone.         - Arm protectors must be worn.       - Arm protectors must be worn.   | : 🛛        | 186130   |  |  |   |  |
| <ul> <li>MAL-code : 00-1</li> <li>According to the regulations on work involving coded products, the following stipulations apply to the use of personal protective equipment:</li> <li>General: Gloves must be worn for all work that may result in soiling. Apron/coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. A face shield must be worn in work involving spattering if a full mask is not required. In the case, other recommended use of eye protection is not required. In the case, other recommended use of eye protectors/apron/coveralls/protective clothing as appropriate or as instructed.</li> <li>MAL-code: 00-1</li> <li>Application: When spraying in existing* spray booths, if the operator is outside the spray zone.</li> <li>Arm protectors must be worn.</li> </ul>  |            |  |  |  |   |  |
| <ul> <li>Protection based on MAL : According to the regulations on work involving coded products, the following stipulations apply to the use of personal protective equipment:</li> <li>General: Gloves must be worn for all work that may result in soiling. Apron/coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. A face shield must be worn in work involving spattering if a full mask is not required. In the case, other recommended use of eye protection is not required. In all spraying operations in which there is return spray, the following must be worr respiratory protection and arm protectors/apron/coveralls/protective clothing as appropriate or as instructed.</li> <li>MAL-code: 00-1</li> <li>Application: When spraying in existing* spray booths, if the operator is outside the spray zone.</li> <li>Arm protectors must be worn.</li> </ul>  | :          | <b>V</b> -1  |  |  |   |  |
| stipulations apply to the use of personal protective equipment:         General:       Gloves must be worn for all work that may result in soiling. Apron/<br>coveralls/protective clothing must be worn when soiling is so great that regular work<br>clothes do not adequately protect skin against contact with the product. A face<br>shield must be worn in work involving spattering if a full mask is not required. In the<br>case, other recommended use of eye protection is not required.         In all spraying operations in which there is return spray, the following must be worr<br>respiratory protection and arm protectors/apron/coveralls/protective clothing as<br>appropriate or as instructed.         MAL-code:       00-1<br>Application:         When spraying in existing* spray booths, if the operator is outside the<br>spray zone.         - Arm protectors must be worn.  | :          | 0-1  |  |  |   |  |
| coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. A face shield must be worn in work involving spattering if a full mask is not required. In the case, other recommended use of eye protection is not required.<br>In all spraying operations in which there is return spray, the following must be worr respiratory protection and arm protectors/apron/coveralls/protective clothing as appropriate or as instructed.<br>MAL-code: 00-1<br>Application: When spraying in existing* spray booths, if the operator is outside the spray zone.<br>- Arm protectors must be worn.   |            |  |  |  |   |  |
| coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. A face shield must be worn in work involving spattering if a full mask is not required. In the case, other recommended use of eye protection is not required.<br>In all spraying operations in which there is return spray, the following must be worr respiratory protection and arm protectors/apron/coveralls/protective clothing as appropriate or as instructed.<br>MAL-code: 00-1<br>Application: When spraying in existing* spray booths, if the operator is outside the spray zone.<br>- Arm protectors must be worn.   | C          | General: G   | loves mus  | st be worn for all w   | ork that may re   | sult in soiling Apron/   |
| shield must be worn in work involving spattering if a full mask is not required. In the case, other recommended use of eye protection is not required.<br>In all spraying operations in which there is return spray, the following must be wor respiratory protection and arm protectors/apron/coveralls/protective clothing as appropriate or as instructed.<br>MAL-code: 00-1<br>Application: When spraying in existing* spray booths, if the operator is outside the spray zone.<br>- Arm protectors must be worn.  |            |  |  |  |   |  |
| case, other recommended use of eye protection is not required.<br>In all spraying operations in which there is return spray, the following must be wor<br>respiratory protection and arm protectors/apron/coveralls/protective clothing as<br>appropriate or as instructed.<br>MAL-code: 00-1<br>Application: When spraying in existing* spray booths, if the operator is outside t<br>spray zone.<br>- Arm protectors must be worn.   |            |  |  |  |   |  |
| In all spraying operations in which there is return spray, the following must be wor<br>respiratory protection and arm protectors/apron/coveralls/protective clothing as<br>appropriate or as instructed.<br>MAL-code: 00-1<br><b>Application:</b> When spraying in existing* spray booths, if the operator is outside t<br>spray zone.<br>- Arm protectors must be worn.  |            |  |  |  |   |  |
| respiratory protection and arm protectors/apron/coveralls/protective clothing as<br>appropriate or as instructed.<br>MAL-code: 00-1<br><b>Application:</b> When spraying in existing* spray booths, if the operator is outside t<br>spray zone.<br>- Arm protectors must be worn.  | , c        |  | econnie  | lucu use ol eye pi   |   | equiled.   |
| appropriate or as instructed.<br>MAL-code: 00-1<br>Application: When spraying in existing* spray booths, if the operator is outside t<br>spray zone.<br>- Arm protectors must be worn.   |            |  |  |  |   |  |
| MAL-code: 00-1<br>Application: When spraying in existing* spray booths, if the operator is outside t<br>spray zone.<br>- Arm protectors must be worn.  |            |  |  |  | s/apron/coveral   | ls/protective clothing as  |
| <ul> <li>Application: When spraying in existing* spray booths, if the operator is outside t spray zone.</li> <li>Arm protectors must be worn.</li> </ul>   | c          | ippropriate (  | 01 as 1115ll   |  |   |  |
| <ul><li>Application: When spraying in existing* spray booths, if the operator is outside t spray zone.</li><li>Arm protectors must be worn.</li></ul>  |            |  |  |  |   |  |
| <ul><li>Application: When spraying in existing* spray booths, if the operator is outside t spray zone.</li><li>Arm protectors must be worn.</li></ul>  | D          | AL-code: (   | 00-1   |  |   |  |
|  | 4          | Application  |  | praying in existing  | * spray booths,   | if the operator is outside the   |
| During all spraying where atomisation occurs in cabins or spray booths where the   | -          | Arm protec   | tors must  | be worn.   |   |  |
|  | 0          | During all sp  | oraying wh   | ere atomisation o  | ccurs in cabins   | or spray booths where the  |
|  |            | : N<br>: N<br>: N<br>: N<br>: N<br>: N<br>: N<br>: N<br>: N<br>: N | <ul> <li>Not listed</li> <li>Not listed</li> <li>Not listed</li> <li>Not applicables (1005/2009/E</li> <li>(649/2012/E</li> <li>(649/2012/E</li> <li>(649/2012/E</li> <li>(649/2012/E</li> <li>(1005/2009/E</li> <li>(649/2012/E</li> <li>(1005/2009/E</li> <li>(1005/20</li></ul> | <ul> <li>≥90</li> <li>Not listed</li> <li>Not listed</li> <li>Not listed</li> <li>Not applicable.</li> <li>(1005/2009/EU)</li> <li>(649/2012/EU)</li> <li>(649/2012/EU)</li> <li>(649/2012/EU)</li> <li>(649/2012/EU)</li> <li>11s</li> <li>under the Seveso Direction</li> <li>Permitted.</li> <li>Permitted.</li> <li>Permitted.</li> <li>Permitted.</li> <li>IV-1</li> <li>00-1</li> <li>According to the registipulations apply to</li> <li>General: Gloves must coveralls/protective clothes do not adequat shield must be worn in case, other recomment</li> <li>In all spraying operation appropriate or as instructed.</li> <li>MAL-code: 00-1</li> <li>Application: When st spray zone.</li> <li>Arm protectors must</li> </ul> | ≥90       3         :       Not listed         :       Not listed         :       Not listed         :       Not listed         :       Not applicable.         :       Not applicable.         :       Not applicable.         :       Not applicable.         :       (1005/2009/EU)         C)       (649/2012/EU)         ints       under the Seveso Directive.         :       Not regulated.         :       Permitted.         :       IV-1         :       IO-1         :       According to the regulations on work stipulations apply to the use of persoc         :       General:         :       Gloves must be worn for all w coveralls/protective clothing must be wor clothes do not adequately protect skin a shield must be worn in work involving sp case, other recommended use of eye pr         :       nall spraying operations in which there respiratory protection and arm protector appropriate or as instructed.         MAL- | ≥90       3         :       Image: Section of the sectin of the sectin the section of the section of the secti |

# **SECTION 15: Regulatory information**

| operator is inside the spray zone and during spraying outside a closed facility, cabir or booth.         - Full mask with combined filter, coveralls and hood must be worn.         Image: terms for drying/drying ovens that are temporarily placed on such things an rack trolleys, etc, must be equipped with a mechanical exhaust system to prevent turnes from well terms from passing through workers inhaldion zone.         Polishing: When polishing treated surfaces, a mask with dust filter must be worn.         When machine grinding, eye protection must be worn. Work gloves must always be worn.         Caution The regulations contain other stipulations in addition to the above.         *See Regulations.         Restrictions on use       : Not to be used by professional users below 18 years of age. See the National Working Environment Authorities Executive Order regarding Young People At Work Island Surveiliance: not applicable         Social Security Code, :       : Dipropyleneglycolmethylether       RG 84         Rainforcod modical :       : Rct of July 11, 1977 determining the list of activities which require reinforced medical surveiliance: not applicable         Garmany       : Storage class (TRGS 510) : 10         Hzaardous for during the water.       : The product contains organically bound halogens and can contribute to the AOX value in waste water.         Italy       : The product contains organically bound halogens and can contribute to the AOX value in waste water.         Use:       : Mot determined.         Water Discharge Policy : Add Low hazard  |                                | lu          | y momation                                  |   |
|---|--------------------------------|-------------|---|---|
| Pring: Items for drying/drying ovens that are temporarily placed on such things as rack trolleys, etc, must be equipped with a mechanical exhaust system to prevent fumes from well terms from passing through workers' inhalitation zone.         Polishing: When polishing treated surfaces, a mask with dust filter must be worn. Work gloves must always be worn.         Caution The regulations contain other stipulations in addition to the above.         "See Regulations.         Restrictions on use       : Kit to be used by professional users below 18 years of age. See the National Working Environment Authorities Executive Order regarding Young People At Work substances         List of undesirable       : Mot to be used by professional users below 18 years of age. See the National Working Environment Authorities Executive Order regarding Young People At Work Statces         List of undesirable       : Mot listed         Storage class (TRCS 510)       : Dipropyleneglycolmethylether       RG 84         Articles L A81-1 to L 461-7       : Zbutoxyethanol       RC 84         Storage class (TRCS 510)       : Di       Prophyleneglycolmethylether       RG 84         Articles L 481-4       : File product lance: not applicable       : Restriction on user the Germany Hazardous Incident Ordinance.         Phazardous incident ordinance       : File product contains organically bound halogens and can contribute to the AOX value in waste water.         Ligs. 152/06       : Not determined.       : Netherainadis         Vore contain  |                                |             | · · · ·                                     | ing spraying outside a closed facility, cabin |
| rack trolleys, etc, must be equipped with a mechanical exhaust system to prevent fumes from wet items from passing through workers' inhalation zone. Polishing: When polishing: treated surfaces, a mask with dust filter must be worn. When machine grinding, eye protection must be worn. Work gloves must always be worn. Caution The regulations contain other stipulations in addition to the above. *See Regulations. Restrictions on use : Not to be used by professional users below 18 years of age. See the National Working Environment Authorities Executive Order regarding Young People At Worl List of undesirable : Not listed substances Finland France Social Security Code, : Dipropyleneglycolmethylether RG 84 Articles L 461-1 to L 461-7 2-Butoxyethanol RG 84 Articles L 461-1 to L 461-7 2-Butoxyet  |                                |             |   | s and hood must be worn.                      |
| When machine grinding, eye protection must be worn. Work gloves must always be worn.         Caution The regulations contain other stipulations in addition to the above.         *See Regulations.         Restrictions on use       : Not to be used by professional users below 18 years of age. See the National Working Environment Authorities Executive Order regarding Young People At Work gloves must always be working Environment Authorities Executive Order regarding Young People At Work Sciences         Einland       : Not isted         France       : Social Security Code, : Dipropyleneglycolmethylether RG 84         Articles L 461-1 to L 461-7       : Butoxyethanol         Storage class (TRGS 510) : To Hazardous Incident Ordinance       : RG 84         Reinforced medical       : RC of July 11, 1977 determining the list of activities which require reinforced medical surveillance: intropicable         Germany       : Storage class (TRGS 510) : To Hazardous Incident Ordinance.         Flis product is not controlled under the Germany Hazardous Incident Ordinance.       : Restriction on : FA-Luft Number 5.2.5: 34.5%         ari quality control       : Fhe product contains organically bound halogens and can contribute to the AOX value in waste water.         taly       : Lust Number 5.2.5: 34.5%         Water Discharge Policy       : R(4) Low hazard for aquatic organisms, may have long-term hazardous effects in aquatic environment. Decontamination effort: A         Nordway       : Sweden         Swin   |                                |             | rack trolleys, etc, must be equipped with a | a mechanical exhaust system to prevent        |
| *See Regulations.<br>Restrictions on use : Not to be used by professional users below 18 years of age. See the National<br>Working Environment Authorities Executive Order regarding Young People At Work<br>List of undesirable : Not listed<br>substances<br>Einland<br>France<br>Social Security Code, : Dipropyleneglycolmethylether RG 84<br>Articles L 461-1 to L 461-7 2-Butoxyethanol RG 84<br>Reinforced medical : Not of July 11, 1977 determining the list of activities which require reinforced<br>medical surveillance: not applicable<br>Garmany<br>Storage class (TRGS 510) : FO<br>Hazardous incident ordinance<br>This product is not controlled under the Germany Hazardous Incident Ordinance.<br>Hazard class for water : P<br>Technical instruction on : FA-Luft Number 5.2.5: 34.5%<br>air quality control<br>AOX : The product contains organically bound halogens and can contribute to the AOX<br>value in waste water.<br>Italy<br>D.Lgs. 152/06 : Not determined.<br>Netherlands<br>Water Discharge Policy : K(4) Low hazard for aquatic organisms, may have long-term hazardous effects in<br>aquatic environment. Decontamination effort: A<br>Norway<br>Sweden<br>Switzerland<br>VOC content : Exempt.<br>Informational regulations<br>Bemical Weapon Convention List Schedules I, II & III Chemicals<br>Nortised.<br>Not listed.<br>Not listed.   |                                |             | When machine grinding, eye protection m     |   |
| Restrictions on use       : Not to be used by professional users below 18 years of age. See the National Working Environment Authorities Executive Order regarding Young People At Work User Social Security Code, : Not listed         List of undesirable       : Not listed         Social Security Code, Africas L 461-1 to L 461-7       : Dipropyleneglycolmethylether RG 84         Articles L 461-1 to L 461-7       : Pot of ully 11, 1977 determining the list of activities which require reinforced medical surveillance: not applicable         Germany       : Not controlled under the Germany Hazardous Incident Ordinance.         Hazardous incident ordinance       : Not ult Number 5.2.5: 34.5%         This product is not controlled under the Germany Hazardous Incident Ordinance.       : Not determined.         AOX       : The product contains organically bound halogens and can contribute to the AOX value in waste water.         taly       : List Schedules L, II & III Chemicals         Norway       : Sweden         Switzerland       : Exempt.         Norway       : Exempt.         International regulations       : Exempt.         International regulations       : It & III Chemicals         Not listed.       : Kotholes L, II & III Chemicals         Not isted.       : It & III Chemicals         Not isted.       : It & III Chemicals  |                                |             | Caution The regulations contain other st    | tipulations in addition to the above.         |
| Restrictions on use       :       Not to be used by professional users below 18 years of age. See the National Working Environment Authorities Executive Order regarding Young People At Work User Social Security Code, :         List of undesirable       :       Not listed         Social Security Code, and the environment Authorities Executive Order regarding Young People At Work Order Regarding Young People At Work Order Reg 84         Articles L 461-1 to L 461-7       :       Impropyleneglycolmethylether       RG 84         Reinforced medical surveillance:       :       Improve the Germany Hazardous Incident Ordinance.       RG 84         Storage Class (TRGS 510)       :       f0       Improve the Germany Hazardous Incident Ordinance.       Improve the Germany Hazardous Incident Ordinance.         This product is not controlled under the Germany Hazardous Incident Ordinance.       :       Improve the fourthylether is the product contains organically bound halogens and can contribute to the AOX value in waste water.         taly       :       Improve product contains organically bound halogens and can contribute to the AOX value in waste water.         taly       :       Improve provention List Schedules I, II & III Chemicals         Sweden       :       Switzerland         YOC content       :       Improve the security of a quatic organisms, may have long-term hazardous effects in aquatic environment. Decontamination effort: A         Norway       :       : <td></td> <td></td> <td>*See Regulations.</td> <td></td>  |                                |             | *See Regulations.                           |   |
| List of undesirable : Not listed<br>substances<br>Finland<br>France<br>Social Security Code, : Dipropyleneglycolmethylether RG 84<br>Articles L 461-1 to L 461-7 2-Butoxyethanol RG 84<br>Reinforced medical : Act of July 11, 1977 determining the list of activities which require reinforced<br>medical surveillance: not applicable<br>Germany<br>Storage class (TRGS 510) : No<br>Hazardous incident ordinance<br>Wisp product is not controlled under the Germany Hazardous Incident Ordinance.<br>Hazard class for water : No<br>Technical instruction on : No<br>ACX : The product contains organically bound halogens and can contribute to the AOX<br>value in waste water.<br>Italy<br>D.Lgs. 152/06 : Not determined.<br>Netherlands<br>Water Discharge Policy : A(4) Low hazard for aquatic organisms, may have long-term hazardous effects in<br>aquatic environment. Decontamination effort: A<br>Nonway<br>Sweden<br>Switzerland<br>VOC content : Exempt.<br>termational regulations<br>international regulations<br>Switzerland<br>VOC content : Exempt.<br>termational regulations<br>Switzerland<br>VOC content : Exempt.<br>termational regulations<br>international regulations<br>international regulations<br>Not listed.<br>tockholm Convention on Persistent Organic Pollutants<br>Not listed.   | Restrictions on use            | :           | Not to be used by professional users belo   |   |
| France       Social Security Code, Social Security Code,  |                                | :           | -   |   |
| Social Security Code,<br>Articles L 461-1 to L 461-7       :       Dipropyleneglycolmethylether<br>2-Butoxyethanol       RG 84         Reinforced medical<br>surveillance       :       Act of July 11, 1977 determining the list of activities which require reinforced<br>medical surveillance: not applicable         Germany       :       Act of July 11, 1977 determining the list of activities which require reinforced<br>medical surveillance: not applicable         Germany       :       Mot of July 11, 1977 determining the list of activities which require reinforced<br>medical surveillance: not applicable         Storage class (TRGS 510)       :       Image: Storage class (TRGS 510)       :         Hazardous incident ordinance       :       Image: Storage class (TRGS 510)       :         Hazardous incident ordinance       :       Image: Storage class (TRGS 510)       :       Image: Storage class (TRGS 510)       :         Hazardous incident ordinance:       :       Image: Storage class (TRGS 510)   |                                |             |   |   |
| surveillance medical surveillance: not applicable  Germany  Storage class (TRGS 510) :   Hazardous incident ordinance  This product is not controlled under the Germany Hazardous Incident Ordinance. Hazard class for water :  FA-Luft Number 5.2.5: 34.5% air quality control  AOX :  FA-Luft Number 5.2.5: 34.5% AII quality control  AOX :  FA-Luft Number 5.2.5: 34.5% AII quality control  AOX :  FA-Luft Number 6.2% AII quality control  AII quality control  | Social Security Code,          |             |   |   |
| Storage class (TRGS 510) : 10<br>Hazardous incident ordinance<br>This product is not controlled under the Germany Hazardous Incident Ordinance.<br>Hazard class for water : 17<br>Technical instruction on : 17<br>Technical instruction on : 17<br>AOX |                                | :           |   | of activities which require reinforced        |
| Hazardous incident ordinance<br>This product is not controlled under the Germany Hazardous Incident Ordinance.<br>Hazard class for water : T<br>Technical instruction on : TA-Luft Number 5.2.5: 34.5%<br>air quality control<br>AOX : The product contains organically bound halogens and can contribute to the AOX<br>value in waste water.<br>Italy<br>D.Lgs. 152/06 : Not determined.<br>Netherlands<br>Water Discharge Policy : A(4) Low hazard for aquatic organisms, may have long-term hazardous effects in<br>aquatic environment. Decontamination effort: A<br>Norway<br>Sweden<br>Switzerland<br>VOC content : Exempt.<br>termational regulations<br>hemical Weapon Convention List Schedules I, II & III Chemicals<br>Not listed.<br>Italy<br>Not listed.<br>tockholm Convention on Persistent Organic Pollutants<br>Nor listed.  |                                | :           | 10  |   |
| Hazard class for water :<br>Technical instruction on :<br>Technical instruction on :<br>AOX :<br>AOX :<br>The product contains organically bound halogens and can contribute to the AOX value in waste water.<br>Italy<br>D.Lgs. 152/06 :<br>Not determined.<br>Netherlands<br>Water Discharge Policy :<br>(ABM) :<br>Norway<br>Sweden<br>Switzerland<br>VOC content :<br>Exempt.<br>thernational regulations<br>Chemical Weapon Convention List Schedules I, II & III Chemicals<br>Not listed.<br>Montreal Protocol<br>Not listed.<br>Stockholm Convention on Persistent Organic Pollutants<br>Nor listed.   | Hazardous incident ordina      | inc         | 2   |   |
| Technical instruction on air quality control       : FA-Luft Number 5.2.5: 34.5%         AOX       :: Fhe product contains organically bound halogens and can contribute to the AOX value in waste water.         Italy       .         D.Lgs. 152/06       :: Not determined.         Netherlands       .         Water Discharge Policy (ABM)       : F(4) Low hazard for aquatic organisms, may have long-term hazardous effects in aquatic environment. Decontamination effort: A         Norway       .         Sweden       .         Switzerland       .         VOC content       : Exempt.         nternational regulations       .         Chemical Weapon Convention List Schedules I, II & III Chemicals         Not listed.       .         Montreal Protocol       .         Not listed.       .         Stockholm Convention on Persistent Organic Pollutants  | This product is not controlled | d u         | nder the Germany Hazardous Incident Ord     | linance.                                      |
| air quality control<br>AOX : Phe product contains organically bound halogens and can contribute to the AOX<br>value in waste water.<br>Italy<br>D.Lgs. 152/06 : Not determined.<br>Netherlands<br>Water Discharge Policy : A(4) Low hazard for aquatic organisms, may have long-term hazardous effects in<br>aquatic environment. Decontamination effort: A<br>Norway<br>Sweden<br>Switzerland<br>VOC content : Exempt.<br>hternational regulations<br>Phemical Weapon Convention List Schedules I, II & III Chemicals<br>Not listed.<br>Not listed.<br>Montreal Protocol<br>Not listed.<br>Montreal Protocol<br>Not listed.  | Hazard class for water         | :           | X   |   |
| Italy   |                                | 1           | A-Luft Number 5.2.5: 34.5%                  |   |
| D.Lgs. 152/06 : Not determined.<br>Netherlands<br>Water Discharge Policy : A(4) Low hazard for aquatic organisms, may have long-term hazardous effects in<br>aquatic environment. Decontamination effort: A<br>Norway<br>Sweden<br>Switzerland<br>VOC content : Exempt.<br>hternational regulations<br>Chemical Weapon Convention List Schedules I, II & III Chemicals<br>Not listed.<br>Montreal Protocol<br>Not listed.<br>Stockholm Convention on Persistent Organic Pollutants<br>Not listed.   |                                | 1           |   | nalogens and can contribute to the AOX        |
| Netherlands         Water Discharge Policy       :  |                                |             |   |   |
| Water Discharge Policy<br>(ABM)       :   | •                              | ÷           | Not determined.                             |   |
| Norway<br>Sweden<br>Switzerland<br>VOC content : Exempt.<br>International regulations<br>International Regulatio  | Water Discharge Policy         | :           |   |   |
| Sweden<br>Switzerland<br>VOC content : Exempt.<br>International regulations<br>Chemical Weapon Convention List Schedules I, II & III Chemicals<br>Not listed.<br>Montreal Protocol<br>Not listed.<br>Stockholm Convention on Persistent Organic Pollutants<br>Not listed.   | . ,                            |             |   |   |
| VOC content : Exempt.<br>International regulations<br>Chemical Weapon Convention List Schedules I, II & III Chemicals<br>Not listed.<br>Not listed.<br>Not listed.<br>Not listed.<br>Not listed.  |                                |             |   |   |
| International regulations<br>Chemical Weapon Convention List Schedules I, II & III Chemicals<br>Not listed.<br>Montreal Protocol<br>Not listed.<br>Stockholm Convention on Persistent Organic Pollutants<br>Not listed.   | Switzerland                    |             |   |   |
| Chemical Weapon Convention List Schedules I, II & III Chemicals<br>Not listed.<br>Not listed.<br>Not listed.<br>Stockholm Convention on Persistent Organic Pollutants<br>Not listed.  | VOC content                    | :           | Exempt.                                     |   |
| Not listed.<br><mark>Aontreal Protocol</mark><br>Not listed.<br><mark>Stockholm Convention on Persistent Organic Pollutants</mark><br>Not listed.   | nternational regulations       |             |   |   |
| Montreal Protocol<br>Not listed.<br>Stockholm Convention on Persistent Organic Pollutants<br>Not listed.  | Chemical Weapon Convent        | ior         | List Schedules I, II & III Chemicals        |   |
| Not listed.<br>Stockholm Convention on Persistent Organic Pollutants<br>Not listed.   | Not listed.                    |             |   |   |
| Stockholm Convention on Persistent Organic Pollutants Not listed.   |                                |             |   |   |
|   | Stockholm Convention on F      | Per         | sistent Organic Pollutants                  |   |
| Rotterdam Convention on Prior Informed Consent (PIC)  |                                |             |   |   |
|   | Rotterdam Convention on P      | <b>Pric</b> | <u>r Informed Consent (PIC)</u>             |   |
|   | ate of issue/Date of revision  |             | : 11/10/2023 Date of previous issue :       | 27/07/2022 Version :1.01 21/24                |
|   |                                |             |   |   |

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

Not listed.

#### **UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

# 15.2 Chemical safety assessment

: Not applicable.

# SECTION 16: Other information

Indicates information that has changed from previously issued version.

| 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                               |
|                   |   |

#### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

| Classification     | Justification      |
|--------------------|--------------------|
| Skin Sens. 1, H317 | Calculation method |

#### Full text of abbreviated H statements

| <b>⊮</b> 301 | Toxic if swallowed.                                   |
|--------------|---|
| H302         | Harmful if swallowed.                                 |
| H310         | Fatal in contact with skin.                           |
| H311         | Toxic in contact with skin.                           |
| H314         | Causes severe skin burns and eye damage.              |
| H315         | Causes skin irritation.                               |
| H317         | May cause an allergic skin reaction.                  |
| H318         | Causes serious eye damage.                            |
| H319         | Causes serious eye irritation.                        |
| H330         | Fatal if inhaled.                                     |
| H331         | Toxic if inhaled.                                     |
| H400         | Very toxic to aquatic life.                           |
| H410         | Very toxic to aquatic life with long lasting effects. |
| H411         | Toxic to aquatic life with long lasting effects.      |
| EUH071       | Corrosive to the respiratory tract.                   |

#### Full text of classifications [CLP/GHS]

|                                 | ACUTE TOXICITY - Category 2                        |                     | ľ  |
|---------------------------------|--|---------------------|----|
|                                 | ACUTE TOXICITY - Category 3                        |                     |    |
|                                 | ACUTE TOXICITY - Category 4                        |                     |    |
| Aquatic Acute 1                 | SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1     |                     |    |
|                                 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1    |                     |    |
|                                 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2    |                     |    |
| Eye Dam. 1                      | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1     |                     |    |
| Eye Irrit. 2                    | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2     |                     |    |
| Skin Corr. 1                    | SKIN CORROSION/IRRITATION - Category 1             |                     |    |
| Skin Corr. 1B                   | SKIN CORROSION/IRRITATION - Category 1B            |                     |    |
| Skin Corr. 1C                   | SKIN CORROSION/IRRITATION - Category 1C            |                     |    |
| Skin Irrit. 2                   | SKIN CORROSION/IRRITATION - Category 2             |                     |    |
| Skin Sens. 1                    | SKIN SENSITISATION - Category 1                    |                     |    |
| Skin Sens. 1A                   | SKIN SENSITISATION - Category 1A                   |                     |    |
| Date of issue/ Date of revision | : 11/10/2023                                       |                     |    |
| Date of previous issue          | : 27/07/2022                                       |                     |    |
| Date of issue/Date of revisio   | n : 11/10/2023 Date of previous issue : 27/07/2022 | Version : 1.01 22/2 | 24 |
| AQUATOP 2600-92 - AI            | variants   | Label No :#8049     |    |

#### **SECTION 16: Other information**

Version

: 1.01

AQUATOP 2600-92

All variants

#### 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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