

# SAFETY DATA SHEET



Date of issue/Date of revision

: 12 July 2023

Version

: 1.01

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

### 1.1 Product identifier

**Product name** : PPG AQUACOVER 45 (TINTED)  
**Product code** : 00191490  
**Product description** :  
**Product type** : Liquid.  
**Other means of identification** : Not available.

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

**Product use** :  Professional applications, Used by spraying.  
**Use of the substance/mixture** : Coating.  
**Uses advised against** : Product is not intended, labelled or packaged for consumer use.

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

PPG Coatings Belgium BV/SRL  
Tweemontstraat 104  
B-2100 Deurne  
Belgium  
Telephone +32-33606311  
Fax +32-33606435

**e-mail address of person responsible for this SDS** : Product.Stewardship.EMEA@ppg.com

### 1.4 Emergency telephone number

**Supplier**  
+31 20 4075210

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture  
**Classification according to UK CLP/GHS**  
Skin Irrit. 2, H315  
Eye Irrit. 2, H319  
Skin Sens. 1, H317  
Aquatic Chronic 2, H411

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.  
See Section 16 for the full text of the H statements declared above.  
See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

**Hazard pictograms** :



**Signal word** :

Warning

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## SECTION 2: Hazards identification

**Hazard statements** : Causes skin irritation.  
 May cause an allergic skin reaction.  
 Causes serious eye irritation.  
 Toxic to aquatic life with long lasting effects.

### Precautionary statements

**Prevention** : Wear protective gloves. Wear eye or face protection. Avoid release to the environment. Avoid breathing vapour. Wash thoroughly after handling.

**Response** : Collect spillage.

**Storage** : Not applicable.

**Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.  
 P280, P273, P261, P264, P391, P501

**Supplemental label elements** : Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.

**Special packaging requirements**

**Containers to be fitted with child-resistant fastenings** : Not applicable.

**Tactile warning of danger** : Not applicable.

### 2.3 Other hazards

**Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII** : This mixture contains substances that are assessed to be a PBT or a vPvB, refer to Section 3.2.

**Other hazards which do not result in classification** : Prolonged or repeated contact may dry skin and cause irritation.

## SECTION 3: Composition/information on ingredients

Mixture

### 3.2 Mixtures

| Product/ingredient name        | Identifiers  | %           | Classification  | Type |
|--------------------------------|--|-------------|---|------|
| 2-methoxymethylethoxy)propanol | REACH #:<br>01-2119450011-60<br>EC: 252-104-2<br>CAS: 34590-94-8 | ≥1.0 - ≤5.0 | Not classified.   | [2]  |
| propane-1,2-diol               | REACH #:<br>01-2119456809-23<br>EC: 200-338-0<br>CAS: 57-55-6    | ≥1.0 - ≤5.0 | Not classified.   | [2]  |
| tetraamminezinc(2+) carbonate  | REACH #:<br>01-2120760626-49<br>EC: 254-099-2<br>CAS: 38714-47-5 | ≤0.26       | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400 (M=1)<br>Aquatic Chronic 1, H410 (M=1) | [1]  |
| propylidynetrimethanol         | REACH #:<br>01-2119486799-10<br>EC: 201-074-9<br>CAS: 77-99-6    | ≤0.30       | Repr. 2, H361   | [1]  |

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

|  |   |         |  |                |
|--|---|---------|--|----------------|
| ammonium hydroxide                       | REACH #:<br>01-2119982985-14<br>EC: 215-647-6<br>CAS: 1336-21-6<br>Index: 007-001-01-2  | ≤0.22   | Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>STOT SE 3, H335<br>Aquatic Acute 1, H400 (M=1)  | [1] [2]        |
| 4,5-dichloro-2-octyl-2H-isothiazol-3-one | EC: 264-843-8<br>CAS: 64359-81-5<br>Index: 613-335-00-8                                 | <0.10   | Acute Tox. 4, H302<br>Acute Tox. 4, H312<br>Acute Tox. 2, H330<br>Skin Corr. 1, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1A, H317<br>STOT SE 3, H335<br>Aquatic Acute 1, H400 (M=100)<br>Aquatic Chronic 1, H410 (M=100)<br>EUH071 | [1]            |
| 1,2-benzisothiazol-3(2H)-one             | EC: 220-120-9<br>CAS: 2634-33-5<br>Index: 613-088-00-6                                  | <0.10   | Acute Tox. 4, H302<br>Acute Tox. 2, H330<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400 (M=1)<br>Aquatic Chronic 2, H411  | [1]            |
| 3-iodo-2-propynyl butylcarbamate         | EC: 259-627-5<br>CAS: 55406-53-6<br>Index: 616-212-00-7                                 | ≤0.067  | Acute Tox. 4, H302<br>Acute Tox. 3, H331<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>STOT RE 1, H372 (larynx)<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410 (M=1)  | [1]            |
| octamethylcyclotetrasiloxane             | REACH #:<br>01-2119529238-36<br>EC: 209-136-7<br>CAS: 556-67-2<br>Index: 014-018-00-1   | ≤0.036  | Repr. 2, H361f<br>Aquatic Chronic 1, H410 (M=10)   | [1] [3]<br>[4] |
| pyrithione zinc                          | REACH #:<br>01-2119511196-46<br>EC: 236-671-3<br>CAS: 13463-41-7<br>Index: 613-333-00-7 | <0.010  | Acute Tox. 3, H301<br>Acute Tox. 2, H330<br>Eye Dam. 1, H318<br>Repr. 1B, H360D<br>STOT RE 1, H372<br>Aquatic Acute 1, H400 (M=1000)<br>Aquatic Chronic 1, H410 (M=10)   | [1]            |
| 2-methylisothiazol-3(2H)-one             | REACH #:<br>01-2120764690-50<br>EC: 220-239-6<br>CAS: 2682-20-4<br>Index: 613-326-00-9  | <0.010  | Acute Tox. 3, H301<br>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 (M=10)<br>Aquatic Chronic 1, H410 (M=1)<br>EUH071                      | [1]            |
| octhilinone (ISO)                        | EC: 247-761-7<br>CAS: 26530-20-1  | <0.0010 | Acute Tox. 3, H301<br>Acute Tox. 3, H311   | [1]            |

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### SECTION 3: Composition/information on ingredients

|  |                     |  |
|--|---------------------|--|
|  | Index: 613-112-00-5 | Acute Tox. 2, H330<br>Skin Corr. 1, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1A, H317<br>Aquatic Acute 1, H400 (M=100)<br>Aquatic Chronic 1, H410 (M=100)<br>EUH071<br><br><b>See Section 16 for the full text of the H statements declared above.</b> |
|--|---------------------|--|

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.

Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT
- [4] Substance meets the criteria for vPvB

This mixture contains ≥ 1% of titanium dioxide. The Annex VI classification of titanium dioxide does not apply to this mixture according to Note 10.

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

**SUB codes represent substances without registered CAS Numbers.**

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- Eye contact** : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
- Ingestion** : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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

##### Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

##### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
 pain or irritation  
 watering  
 redness
- Inhalation** : No specific data.

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## SECTION 4: First aid measures

- Skin contact** : Adverse symptoms may include the following:  
 irritation  
 redness  
 dryness  
 cracking
- Ingestion** : No specific data.

### 4.3 Indication of any immediate 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: Firefighting 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 from 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. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Hazardous combustion products** : Decomposition products may include the following materials:  
 carbon oxides  
 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 if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective 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.

## SECTION 6: Accidental release measures

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

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental precautions

- : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

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

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## SECTION 6: Accidental release measures

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.
- 6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

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

### 7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Avoid release to the environment. 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.
- 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 between the following temperatures: 5 to 35°C (41 to 95°F). 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. See Section 10 for incompatible materials before handling or use.

### 7.3 Specific end use(s)

See Section 1.2 for Identified uses.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

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).

#### Occupational exposure limits

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

| Product/ingredient name   | Exposure limit values  |
|---|--|
| <p>2-methoxymethylethoxy)propanol</p> <p>propane-1,2-diol</p> <p>ammonium hydroxide</p> | <p><b>EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin.</b><br/>                     TWA: 308 mg/m<sup>3</sup> 8 hours.<br/>                     TWA: 50 ppm 8 hours.</p> <p><b>EH40/2005 WELs (United Kingdom (UK), 1/2020).</b><br/>                     TWA: 10 mg/m<sup>3</sup> 8 hours. Form: Particulate<br/>                     TWA: 150 ppm 8 hours. Form: total vapour and particulates<br/>                     TWA: 474 mg/m<sup>3</sup> 8 hours. Form: total vapour and particulates</p> <p><b>EH40/2005 WELs (United Kingdom (UK), 1/2020). [ammonia anhydrous]</b><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</p> |

| Product/ingredient name | Exposure indices |
|-------------------------|------------------|
|                         |                  |

**Recommended monitoring procedures** : Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

### DNELs/DMELs

| Product/ingredient name          | Type | Exposure              | Value                   | Population         | Effects  |
|----------------------------------|------|-----------------------|-------------------------|--------------------|----------|
| 2-methoxymethylethoxy)propanol   | DNEL | Long term Oral        | 36 mg/kg bw/day         | General population | Systemic |
|                                  | DNEL | Long term Inhalation  | 37.2 mg/m <sup>3</sup>  | General population | Systemic |
|                                  | DNEL | Long term Dermal      | 121 mg/kg bw/day        | General population | Systemic |
| propane-1,2-diol                 | DNEL | Long term Dermal      | 283 mg/kg bw/day        | Workers            | Systemic |
|                                  | DNEL | Long term Inhalation  | 308 mg/m <sup>3</sup>   | Workers            | Systemic |
|                                  | DNEL | Long term Inhalation  | 10 mg/m <sup>3</sup>    | General population | Local    |
|                                  | DNEL | Long term Inhalation  | 10 mg/m <sup>3</sup>    | Workers            | Local    |
|                                  | DNEL | Long term Inhalation  | 50 mg/m <sup>3</sup>    | General population | Systemic |
|                                  | DNEL | Long term Inhalation  | 168 mg/m <sup>3</sup>   | Workers            | Systemic |
| propylidynetrimethanol           | DNEL | Long term Oral        | 0.34 mg/kg bw/day       | General population | Systemic |
|                                  | DNEL | Long term Dermal      | 0.34 mg/kg bw/day       | General population | Systemic |
|                                  | DNEL | Long term Inhalation  | 0.58 mg/m <sup>3</sup>  | General population | Systemic |
|                                  | DNEL | Long term Dermal      | 0.94 mg/kg bw/day       | Workers            | Systemic |
|                                  | DNEL | Long term Inhalation  | 3.3 mg/m <sup>3</sup>   | Workers            | Systemic |
|                                  | DNEL | Long term Dermal      | 0.345 mg/kg bw/day      | General population | Systemic |
| 1,2-benzisothiazol-3(2H)-one     | DNEL | Long term Dermal      | 0.966 mg/kg bw/day      | Workers            | Systemic |
|                                  | DNEL | Long term Inhalation  | 1.2 mg/m <sup>3</sup>   | General population | Systemic |
|                                  | DNEL | Long term Inhalation  | 6.81 mg/m <sup>3</sup>  | Workers            | Systemic |
|                                  | DNEL | Long term Inhalation  | 0.023 mg/m <sup>3</sup> | Workers            | Systemic |
| 3-iodo-2-propynyl butylcarbamate | DNEL | Short term Inhalation | 0.07 mg/m <sup>3</sup>  | Workers            | Systemic |
|                                  | DNEL | Short term Inhalation | 1.16 mg/m <sup>3</sup>  | Workers            | Local    |
|                                  | DNEL | Long term Inhalation  | 1.16 mg/m <sup>3</sup>  | Workers            | Local    |
| octamethylcyclotetrasiloxane     | DNEL | Long term Dermal      | 2 mg/kg bw/day          | Workers            | Systemic |
|                                  | DNEL | Long term Oral        | 3.7 mg/kg bw/day        | General population | Systemic |
|                                  | DNEL | Long term Inhalation  | 13 mg/m <sup>3</sup>    | General population | Local    |
|                                  | DNEL | Long term Inhalation  | 13 mg/m <sup>3</sup>    | General population | Systemic |
|                                  | DNEL | Long term Inhalation  | 73 mg/m <sup>3</sup>    | Workers            | Local    |
|                                  | DNEL | Long term Inhalation  | 73 mg/m <sup>3</sup>    | Workers            | Systemic |
| pyrithione zinc                  | DNEL | Long term Dermal      | 0.01 mg/kg bw/day       | Workers            | Systemic |
|                                  | DNEL | Long term Inhalation  | 0.021 mg/m <sup>3</sup> | General population | Local    |
| 2-methylisothiazol-3(2H)-one     | DNEL | Long term Inhalation  | 0.021 mg/m <sup>3</sup> | Workers            | Local    |
|                                  | DNEL | Long term Oral        | 0.027 mg/kg bw/day      | General population | Systemic |
|                                  | DNEL | Short term Inhalation | 0.043 mg/m <sup>3</sup> | General population | Local    |
|                                  | DNEL | Short term Inhalation | 0.043 mg/m <sup>3</sup> | Workers            | Local    |
|                                  | DNEL | Short term Oral       | 0.053 mg/kg bw/day      | General population | Systemic |

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

### PNECs

| Product/ingredient name         | Compartment Detail     | Value          | Method Detail            |
|---------------------------------|------------------------|----------------|--------------------------|
| (2-methoxymethylethoxy)propanol | Fresh water            | 19 mg/l        | Assessment Factors       |
|                                 | Marine water           | 1.9 mg/l       | Assessment Factors       |
|                                 | Sewage Treatment Plant | 4168 mg/l      | Assessment Factors       |
|                                 | Fresh water sediment   | 70.2 mg/kg     | Equilibrium Partitioning |
|                                 | Marine water sediment  | 7.02 mg/kg     | Equilibrium Partitioning |
|                                 | Soil                   | 2.74 mg/kg     | Equilibrium Partitioning |
| propane-1,2-diol                | Fresh water            | 260 mg/l       | Assessment Factors       |
|                                 | Marine water           | 26 mg/l        | Assessment Factors       |
|                                 | Sewage Treatment Plant | 20000 mg/l     | Assessment Factors       |
|                                 | Fresh water sediment   | 572 mg/kg dwt  | Equilibrium Partitioning |
|                                 | Marine water sediment  | 57.2 mg/kg dwt | Equilibrium Partitioning |
|                                 | Soil                   | 50 mg/kg dwt   | Equilibrium Partitioning |

### 8.2 Exposure controls

**Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety glasses with side shields.

#### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

**Gloves** : For prolonged or repeated handling, use the following type of gloves:

Recommended: butyl rubber, Viton®, nitrile rubber

**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** : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Wear a respirator conforming to EN140. Filter type: organic vapour (Type A) and particulate filter P3



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## SECTION 8: Exposure controls/personal protection

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

## SECTION 9: Physical and chemical properties

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

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical state** : Liquid.  
**Colour** : Various  
**Odour** : Amine-like.  
**Odour threshold** : Not available.  
**Melting point/freezing point** : May start to solidify at the following temperature: 0°C (32°F) This is based on data for the following ingredient: water. Weighted average: -9.31°C (15.2°F)  
**Initial boiling point and boiling range** : >37.78°C (>100°F)  
**Flammability (solid, gas)** : liquid  
**Upper/lower flammability or explosive limits** : Greatest known range: Lower: 1.1% Upper: 14% ((2-methoxymethylethoxy) propanol)  
**Flash point** : Closed cup: 120°C (248°F)  
**Auto-ignition temperature** : 207°C (404.6°F)  
**Decomposition temperature** :  
**pH** : 8  
**Viscosity** : Kinematic (40°C): >21 mm<sup>2</sup>/s  
**Solubility(ies)** :

| Media      | Result            |
|------------|-------------------|
| cold water | Partially soluble |

**Miscible with water** : Yes.  
**Partition coefficient: n-octanol/water** : Not applicable.  
**Vapour pressure** :

| Ingredient name | Vapour Pressure at 20°C |     |        | Vapour pressure at 50°C |     |        |
|-----------------|-------------------------|-----|--------|-------------------------|-----|--------|
|                 | mm Hg                   | kPa | Method | mm Hg                   | kPa | Method |
| water           | 17.5                    | 2.3 |        |                         |     |        |

**Relative density** : 1.25  
**Vapour density** : Highest known value: 7.5 (Air = 1) (isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol). Weighted average: 5.35 (Air = 1)  
**Explosive properties** : The product itself is not explosive, but the formation of an explosible mixture of vapour or dust with air is possible.  
**Oxidising properties** : Product does not present an oxidizing hazard.  
**Particle characteristics**  
**Median particle size** : Not applicable.

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## SECTION 10: Stability and reactivity

- 10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- 10.2 Chemical stability** : The product is stable.
- 10.3 Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- 10.4 Conditions to avoid** : When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.
- 10.5 Incompatible materials** : Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
- 10.6 Hazardous decomposition products** : Depending on conditions, decomposition products may include the following materials: carbon oxides metal oxide/oxides

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

| Product/ingredient name                  | Result                          | Species    | Dose                | Exposure |
|--|---------------------------------|------------|---------------------|----------|
| 2-methoxymethylethoxy) propanol          | LC50 Inhalation Vapour          | Rat        | 500 ppm             | 4 hours  |
|  | LD50 Dermal                     | Rabbit     | 9.5 g/kg            | -        |
| propane-1,2-diol                         | LD50 Oral                       | Rat        | 5.23 g/kg           | -        |
|  | LD50 Dermal                     | Rabbit     | 20800 mg/kg         | -        |
| propylidynetrimethanol                   | LD50 Oral                       | Rat        | 20 g/kg             | -        |
|  | LD50 Dermal                     | Rabbit     | 10 g/kg             | -        |
| ammonium hydroxide                       | LD50 Oral                       | Rat        | 14000 mg/kg         | -        |
|  | LD50 Oral                       | Rat        | 350 mg/kg           | -        |
| 4,5-dichloro-2-octyl-2H-isothiazol-3-one | LC50 Inhalation Dusts and mists | Rat        | 0.16 mg/l           | 4 hours  |
|  | LD50 Dermal                     | Rabbit     | 3.9 g/kg            | -        |
| 1,2-benzisothiazol-3(2H)-one             | LD50 Oral                       | Rat        | 567 mg/kg           | -        |
|  | LC50 Inhalation Dusts and mists | Rat        | 0.4 mg/l            | 4 hours  |
| 3-iodo-2-propynyl butylcarbamate         | LD50 Oral                       | Rat        | 1020 mg/kg          | -        |
|  | LC50 Inhalation Dusts and mists | Rat        | 0.67 mg/l           | 4 hours  |
| octamethylcyclotetrasiloxane             | LD50 Dermal                     | Rabbit     | >2 g/kg             | -        |
|  | LD50 Oral                       | Rat        | 1470 mg/kg          | -        |
| pyrithione zinc                          | LC50 Inhalation Vapour          | Rat        | 36 g/m <sup>3</sup> | 4 hours  |
|  | LD50 Dermal                     | Rat        | >2375 mg/kg         | -        |
| 2-methylisothiazol-3(2H)-one             | LD50 Oral                       | Rat        | >4800 mg/kg         | -        |
|  | LC50 Inhalation Dusts and mists | Rat        | 0.14 mg/l           | 4 hours  |
| octhilinone (ISO)                        | LD50 Dermal                     | Rabbit     | >2 g/kg             | -        |
|  | LD50 Oral                       | Rat        | 177 mg/kg           | -        |
| octhilinone (ISO)                        | LC50 Inhalation Dusts and mists | Rat        | 0.19 mg/l           | 4 hours  |
|  | LD50 Dermal                     | Rat        | 242 mg/kg           | -        |
| octhilinone (ISO)                        | LD50 Oral                       | Rat - Male | 235 mg/kg           | -        |
|  | LC50 Inhalation Dusts and mists | Rat        | 0.27 mg/l           | 4 hours  |
| octhilinone (ISO)                        | LD50 Dermal                     | Rabbit     | 311 mg/kg           | -        |
|  | LD50 Oral                       | Rat        | 125 mg/kg           | -        |

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Acute toxicity estimates

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**SECTION 11: Toxicological information**

| Product/ingredient name                  | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapours) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|--|--------------|----------------|--------------------------|-----------------------------|-------------------------------------|
| 2-methoxymethylethoxy)propanol           | 5230         | 9500           | N/A                      | N/A                         | N/A                                 |
| propane-1,2-diol                         | 20000        | 20800          | N/A                      | N/A                         | N/A                                 |
| propylidynetrimethanol                   | 14000        | 10000          | N/A                      | N/A                         | N/A                                 |
| 4,5-dichloro-2-octyl-2H-isothiazol-3-one | 567          | 1100           | N/A                      | N/A                         | 0.16                                |
| 1,2-benzisothiazol-3(2H)-one             | 1020         | N/A            | N/A                      | N/A                         | 0.4                                 |
| 3-iodo-2-propynyl butylcarbamate         | 1470         | N/A            | N/A                      | N/A                         | 0.67                                |
| octamethylcyclotetrasiloxane             | N/A          | N/A            | N/A                      | 36                          | N/A                                 |
| pyrithione zinc                          | 221          | N/A            | N/A                      | N/A                         | 0.14                                |
| 2-methylisothiazol-3(2H)-one             | 235          | 242            | N/A                      | N/A                         | 0.19                                |
| octhiline (ISO)                          | 125          | 311            | N/A                      | N/A                         | 0.27                                |

**Irritation/Corrosion**

| Product/ingredient name          | Result                 | Species | Score | Exposure | Observation |
|----------------------------------|------------------------|---------|-------|----------|-------------|
| 3-iodo-2-propynyl butylcarbamate | Eyes - Severe irritant | Rabbit  | -     | -        | -           |
| pyrithione zinc                  | Eyes - Cornea opacity  | Rabbit  | 4     | 24 hours | 24 hours    |

- Conclusion/Summary** : Not available.  
**Skin** : There are no data available on the mixture itself.  
**Eyes** : There are no data available on the mixture itself.  
**Respiratory** : There are no data available on the mixture itself.

**Sensitisation**

| Product/ingredient name      | Route of exposure | Species    | Result      |
|------------------------------|-------------------|------------|-------------|
| 1,2-benzisothiazol-3(2H)-one | skin              | Guinea pig | Sensitising |
| octhiline (ISO)              | skin              | Mouse      | Sensitising |

- Conclusion/Summary** : There are no data available on the mixture itself.  
**Skin** : There are no data available on the mixture itself.  
**Respiratory** : There are no data available on the mixture itself.

**Mutagenicity**

- Conclusion/Summary** : There are no data available on the mixture itself.

**Carcinogenicity**

It has been observed that the carcinogenic hazard of this product arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung.

- Conclusion/Summary** : There are no data available on the mixture itself.

**Reproductive toxicity**

- Conclusion/Summary** : There are no data available on the mixture itself.

**Teratogenicity**

- Conclusion/Summary** :  
There are no data available on the mixture itself.

**Specific target organ toxicity (single exposure)**

| Product/ingredient name                  | Category   | Route of exposure | Target organs                |
|--|------------|-------------------|------------------------------|
| ammonium hydroxide                       | Category 3 | -                 | Respiratory tract irritation |
| 4,5-dichloro-2-octyl-2H-isothiazol-3-one | Category 3 | -                 | Respiratory tract irritation |

**Specific target organ toxicity (repeated exposure)**

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| Product/ingredient name          | Category   | Route of exposure | Target organs |
|----------------------------------|------------|-------------------|---------------|
| 3-iodo-2-propynyl butylcarbamate | Category 1 | -                 | larynx        |
| pyrithione zinc                  | Category 1 | -                 | -             |

### Aspiration hazard

Not available.

**Information on likely routes of exposure** : Not available.

### Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

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

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness  
dryness  
cracking
- 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** : Not available.
- Potential delayed effects** : Not available.

#### Long term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

#### Potential chronic health effects

Not available.

**Conclusion/Summary** : Not available.

**General** : Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Reproductive toxicity** : No known significant effects or critical hazards.

**Other information** : Not available.

|                                  |  |
|----------------------------------|--|
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## SECTION 12: Ecological information

### 12.1 Toxicity

| Product/ingredient name   | Result                                | Species   | Exposure |
|---|---------------------------------------|---|----------|
| 2-methoxymethylethoxy) propanol<br>propane-1,2-diol<br>propylidynetrimethanol<br>4,5-dichloro-2-octyl-2H-isothiazol-3-one | Acute EC50 1919 mg/l                  | Daphnia   | 48 hours |
|   | Acute LC50 40613 mg/l                 | Fish  | 96 hours |
|   | Acute LC50 >1000 mg/l                 | Fish  | 96 hours |
|   | Acute EC50 267.368 µg/l Marine water  | Algae - Diatom - <i>Nitzschia pungens</i>       | 96 hours |
|   | Acute LC50 0.318 mg/l Marine water    | Crustaceans - Brine shrimp - <i>Artemia sp.</i> | 48 hours |
|   | Acute LC50 0.0027 mg/l Fresh water    | Fish  | 96 hours |
|   | Chronic NOEC 19.789 µg/l Marine water | Algae - Diatom - <i>Nitzschia pungens</i>       | 96 hours |
| 1,2-benzisothiazol-3(2H)-one  | Chronic NOEC 0.00056 mg/l Fresh water | Fish  | 97 days  |
|   | Acute EC50 0.11 mg/l                  | Algae   | 72 hours |
| 3-iodo-2-propynyl butylcarbamate  | Chronic NOEC 0.09 mg/l                | Fish - Trout                                    | 28 days  |
|   | Acute EC50 0.186 mg/l Fresh water     | Daphnia - Water flea - <i>Daphnia magna</i>     | 48 hours |
| pyrithione zinc   | Acute LC50 0.067 mg/l                 | Fish - Trout                                    | 96 hours |
|   | Chronic NOEC 0.049 mg/l               | Fish - Trout                                    | 96 hours |
|   | Acute EC50 5.513 µg/l Marine water    | Algae - Diatom - <i>Nitzschia pungens</i>       | 96 hours |
|   | Acute LC50 0.0082 mg/l                | Daphnia   | 48 hours |
|   | Chronic NOEC 1.889 µg/l Marine water  | Algae - Diatom - <i>Nitzschia pungens</i>       | 96 hours |
|   | Chronic NOEC 0.0027 mg/l              | Daphnia   | 21 days  |

**Conclusion/Summary** : Not available.

### 12.2 Persistence and degradability

| Product/ingredient name                             | Test | Result                    | Dose | Inoculum |
|---|------|---------------------------|------|----------|
| 3-iodo-2-propynyl butylcarbamate<br>pyrithione zinc | -    | 25 % - Inherent - 28 days | -    | -        |
|   | -    | 39 % - 28 days            | -    | -        |

**Conclusion/Summary** : Not available.

| Product/ingredient name          | Aquatic half-life | Photolysis       | Biodegradability |
|----------------------------------|-------------------|------------------|------------------|
| propane-1,2-diol                 | -                 | -                | Readily          |
| 1,2-benzisothiazol-3(2H)-one     | -                 | -                | Readily          |
| 3-iodo-2-propynyl butylcarbamate | -                 | -                | Inherent         |
| pyrithione zinc                  | -                 | 50%; < 28 day(s) | Not readily      |

### 12.3 Bioaccumulative potential

| Product/ingredient name         | LogP <sub>ow</sub> | BCF | Potential |
|---------------------------------|--------------------|-----|-----------|
| 2-methoxymethylethoxy) propanol | 0.004              | -   | Low       |
| propane-1,2-diol                | -1.07              | -   | Low       |
| propylidynetrimethanol          | -0.47              | -   | Low       |
| 1,2-benzisothiazol-3(2H)-one    | 0.7                | -   | Low       |
| octamethylcyclotetrasiloxane    | 6.488              | -   | High      |
| pyrithione zinc                 | 0.9                | 0.9 | Low       |
| octhilinone (ISO)               | 2.45               | -   | Low       |

### 12.4 Mobility in soil

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## SECTION 12: Ecological information

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Mobility** : Not available.

### 12.5 Results of PBT and vPvB assessment

| Product/ingredient name                                   | PBT                       | P                | B                | T               | vPvB                       | vP               | vB               |
|---|---------------------------|------------------|------------------|-----------------|----------------------------|------------------|------------------|
| 2-methoxymethylethoxy propanol                            | No                        | N/A              | N/A              | No              | N/A                        | N/A              | N/A              |
| propane-1,2-diol  | No                        | N/A              | N/A              | No              | N/A                        | N/A              | N/A              |
| tetraamminezinc(2+) carbonate                             | No                        | N/A              | N/A              | No              | N/A                        | N/A              | N/A              |
| 1,2-benzisothiazol-3(2H)-one octamethylcyclotetrasiloxane | No<br>SVHC<br>(Candidate) | N/A<br>Specified | N/A<br>Specified | No<br>Specified | N/A<br>SVHC<br>(Candidate) | N/A<br>Specified | N/A<br>Specified |
| pyrithione zinc   | No                        | N/A              | No               | Yes             | No                         | N/A              | No               |
| 2-methylisothiazol-3(2H)-one                              | No                        | N/A              | N/A              | No              | N/A                        | N/A              | N/A              |
| octhilinone (ISO)   | No                        | N/A              | N/A              | No              | N/A                        | N/A              | N/A              |

**12.6 Other adverse effects** : No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

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).

### 13.1 Waste treatment methods

#### Product

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

#### Waste catalogue

| Waste code | Waste designation  |
|------------|--|
| 08 01 12   | waste paint and varnish other than those mentioned in 08 01 11 |

#### 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.

| Type of packaging | Waste catalogue          |
|-------------------|--------------------------|
| Container         | 15 01 06 mixed packaging |

**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.

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**SECTION 14: Transport information**

|  | <b>ADR/RID</b>  | <b>ADN</b>  | <b>IMDG</b>   | <b>IATA</b>   |
|--|---|---|---|---|
| <b>14.1 UN number</b>                  | UN3082  | UN3082  | UN3082  | UN3082  |
| <b>14.2 UN proper shipping name</b>    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(tetraamminezinc(2+) carbonate)<br><br>(tetraamminezinc(2+) carbonate) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(tetraamminezinc(2+) carbonate)<br><br>(tetraamminezinc(2+) carbonate) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(tetraamminezinc(2+) carbonate)<br><br>(tetraamminezinc(2+) carbonate) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(tetraamminezinc(2+) carbonate)<br><br>(tetraamminezinc(2+) carbonate) |
| <b>14.3 Transport hazard class(es)</b> | 9   | 9   | 9   | 9   |
| <b>14.4 Packing group</b>              | III   | III   | III   | III   |
| <b>14.5 Environmental hazards</b>      | Yes.  | Yes.  | Yes.  | Yes.  |
| <b>Marine pollutant substances</b>     | Not applicable.   | Not applicable.   | (tetraamminezinc(2+) carbonate)   | Not applicable.   |

**Additional information**

- ADR/RID** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
- Tunnel code** : (-)
- ADN** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
- IMDG** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
- IATA** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

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

**14.7 Transport in bulk according to IMO instruments** : Not available.

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
**UK (GB)/REACH**

**Annex XIV - List of substances subject to authorisation****Annex XIV**

None of the components are listed.

**Substances of very high concern**

| <b>Intrinsic property</b> | <b>Ingredient name</b>       | <b>Status</b> | <b>Reference number</b> | <b>Date of revision</b> |
|---------------------------|------------------------------|---------------|-------------------------|-------------------------|
| PBT                       | octamethylcyclotetrasiloxane | Candidate     | -                       | 6/27/2018               |
| vPvB                      | octamethylcyclotetrasiloxane | Candidate     | -                       | 6/27/2018               |

**Ozone depleting substances**

Not listed.

|                                  |  |
|----------------------------------|--|
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## SECTION 15: Regulatory information

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.

### Seveso Directive

This product is controlled under the Seveso Directive.

### Danger criteria

|                 |
|-----------------|
| <b>Category</b> |
| E2              |

## SECTION 16: Other information

✔ Indicates information that has changed from previously issued version.

### Abbreviations and acronyms

- : ATE = Acute Toxicity Estimate
- GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments
- DMEL = Derived Minimal Effect Level
- DNEL = Derived No Effect Level
- EUH statement = GB 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

| Classification          | Justification      |
|-------------------------|--------------------|
| Skin Irrit. 2, H315     | Calculation method |
| Eye Irrit. 2, H319      | Calculation method |
| Skin Sens. 1, H317      | Calculation method |
| Aquatic Chronic 2, H411 | Calculation method |

### Full text of abbreviated H statements

|        |   |
|--------|---|
| H301   | Toxic if swallowed.   |
| H302   | Harmful if swallowed.   |
| H311   | Toxic in contact with skin.                                     |
| H312   | Harmful 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.   |
| H335   | May cause respiratory irritation.                               |
| H360D  | May damage the unborn child.                                    |
| H361   | Suspected of damaging fertility or the unborn child.            |
| H361f  | Suspected of damaging fertility.                                |
| H372   | Causes damage to organs through prolonged or repeated exposure. |
| H400   | Very toxic to aquatic life.                                     |
| H410   | Very toxic to aquatic life with long lasting effects.           |
| H411   | Toxic to aquatic life with long lasting effects.                |
| EUH071 | Corrosive to the respiratory tract.                             |

### Full text of classifications



|                                  |  |
|----------------------------------|--|
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**SECTION 16: Other information**

|                   |   |
|-------------------|---|
| Acute Tox. 2      | ACUTE TOXICITY - Category 2                                     |
| Acute Tox. 3      | ACUTE TOXICITY - Category 3                                     |
| Acute Tox. 4      | ACUTE TOXICITY - Category 4                                     |
| Aquatic Acute 1   | SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1                  |
| Aquatic Chronic 1 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1                 |
| Aquatic Chronic 2 | 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                  |
| Repr. 1B          | REPRODUCTIVE TOXICITY - Category 1B                             |
| Repr. 2           | REPRODUCTIVE TOXICITY - Category 2                              |
| Skin Corr. 1      | SKIN CORROSION/IRRITATION - Category 1                          |
| Skin Corr. 1B     | SKIN CORROSION/IRRITATION - Category 1B                         |
| Skin Irrit. 2     | SKIN CORROSION/IRRITATION - Category 2                          |
| Skin Sens. 1      | SKIN SENSITISATION - Category 1                                 |
| Skin Sens. 1A     | SKIN SENSITISATION - Category 1A                                |
| STOT RE 1         | SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1 |
| STOT SE 3         | SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3   |

**History**

**Date of issue/ Date of revision** : 12 July 2023

**Date of previous issue** : 7 November 2022

**Prepared by** : EHS

**Version** : 1.01

**Disclaimer**

*The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by us, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.*