Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758



# SAFETY DATA SHEET

Zeroflame Aquasteel WB+

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

**1.1 Product identifier** 

**Product description** 

Product type

UFI

- Product name :
  - : Zeroflame Aquasteel WB+

: Coating.

: Liquid.

: FX81-70NE-300E-091N

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

| Identified uses                    |   |  |  |  |
|------------------------------------|---|--|--|--|
| Industrial use<br>Professional use |   |  |  |  |
| Uses advised against Reason        |   |  |  |  |
| Consumer use                       | Product is not intended for consumer use. |  |  |  |

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

Zeroflame 10 Flush Park Lisburn Co Antrim BT28 2DX United Kingdom Telephone no.: 0845 383 8333 sales@zeroflame.co.uk e-mail address of person : rpmeurohas@rustoleum.eu responsible for this SDS 1.4 Emergency telephone number National advisory body/Poison Centre Supplier

# Telephone number United Kingdom:: +44 870 8200418 / +44 2038073798Great BritainHours of operation: 24 / 7

# **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]

Carc. 2, H351

Repr. 2, H361f STOT RE 2, H373 (urinary tract)

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

Date of issue/Date of revision

# **SECTION 2: Hazards identification**

| Hazard pictograms   | :   |  |
|---|-----|--|
| Signal word   | :   | Warning  |
| Hazard statements   | :   | H351 - Suspected of causing cancer.<br>H361f - Suspected of damaging fertility.<br>H373 - May cause damage to organs through prolonged or repeated exposure.<br>(urinary tract)  |
| Precautionary statements  |     |  |
| General   | :   | Not applicable.  |
| Prevention  | 1   | <ul> <li>P201 - Obtain special instructions before use.</li> <li>P280 - Wear protective gloves, protective clothing and eye or face protection.</li> <li>P260 - Do not breathe vapour or spray.</li> </ul>   |
| Response  | :   | P308 + P313 - IF exposed or concerned: Get medical advice or attention.  |
| Storage   | :   | P405 - Store locked up.  |
| Disposal  | :   | P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.   |
| Hazardous ingredients   | 1   | melamine   |
| Supplemental label<br>elements  | :   | EUH208 - Contains 1,2-benzisothiazol-3(2H)-one and reaction mass of: 5-chloro-<br>2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one<br>[EC no. 220-239-6] (3:1). May produce an allergic reaction.<br>EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed.<br>Do not breathe spray or mist. |
| Supplemental label<br>elements : Detergents -<br>Regulation (EC) No<br>907/2006   | •   | Not applicable.  |
| Annex XVII - Restrictions<br>on the manufacture,<br>placing on the market and<br>use of certain dangerous<br>substances, mixtures and<br>articles | :   | Not applicable.  |
| Special packaging requirem  | nen | <u>ts</u>  |
| Containers to be fitted<br>with child-resistant<br>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 does not contain any substances that are assessed to be a PBT or a vPvB.

Other hazards which do : May cause endocrine disruption. not result in classification

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

Mixture

2

# 3.2 Mixtures

United Kingdom: Great Britain

| Product/ingredient name   | Identifiers  | %         | Classification  | Specific Conc.<br>Limits, M-factors<br>and ATEs   | Туре    |  |
|---|--|-----------|---|---|---------|--|
| melamine  | REACH #:<br>01-2119485947-16<br>EC: 203-615-4<br>CAS: 108-78-1                         | ≥10 - ≤25 | Carc. 2, H351<br>Repr. 2, H361f<br>STOT RE 2, H373<br>(urinary tract)   | -   | [1] [2] |  |
| tris(2-chloro-1-methylethyl)<br>phosphate   | REACH #:<br>01-2119486772-26   | ≤5        | Acute Tox. 4, H302  | ATE [Oral] = 1500<br>mg/kg  | [1]     |  |
| 1,2-benzisothiazol-3(2H)-<br>one  | REACH #:<br>01-2120761540-60<br>EC: 220-120-9<br>CAS: 2634-33-5<br>Index: 613-088-00-6 | ≤0,1      | 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<br>Aquatic Chronic 2,<br>H411                        | ATE [Oral] = 490<br>mg/kg<br>ATE [Inhalation<br>(vapours)] = 0,5<br>mg/l<br>Skin Sens. 1, H317:<br>$C \ge 0,05\%$<br>M [Acute] = 1  | [1]     |  |
| 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) | REACH #:<br>01-2120764691-48<br>CAS: 55965-84-9<br>Index: 613-167-00-5                 | ≤0,1      | Acute Tox. 3, H301<br>Acute Tox. 2, H310<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 | ATE [Oral] = 64 mg/<br>kg<br>ATE [Dermal] =<br>92,4 mg/kg<br>ATE [Inhalation<br>(dusts and mists)]<br>= 0,171 mg/l<br>Skin Corr. 1B,<br>H314: $C \ge 0,6\%$<br>Skin Irrit. 2, H315:<br>0,06% $\le C < 0,6\%$<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.

Туре

[1] Substance classified with a health or environmental hazard

[2] Substance of equivalent concern

List numbers have no legal significance.

This mixture contains  $\geq$  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.

# **SECTION 4: First aid measures**

| 4.1 Description of first aid n | neasures   |
|--------------------------------|--|
| 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.  |
| 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>unconscious, place in recovery position and get medical attention immediately.<br>Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or<br>waistband. In case of inhalation of decomposition products in a fire, symptoms may<br>be delayed. The exposed person may need to be kept under medical surveillance<br>for 48 hours. |
| Skin contact                   | : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.   |
| Ingestion                      | : Wash out mouth with water. Remove dentures if any. If material has been<br>swallowed and the exposed person is conscious, give small quantities of water to<br>drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not<br>induce vomiting unless directed to do so by medical personnel. If vomiting occurs,<br>the head should be kept low so that vomit does not enter the lungs. Get medical<br>attention. Never give anything by mouth to an unconscious person. If unconscious,<br>place in recovery position and get medical attention immediately. Maintain an open<br>airway. Loosen tight clothing such as a collar, tie, belt or waistband.                                      |
| Protection of first-aiders     | : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.   |

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

#### Over-exposure signs/symptoms

| Eye contact  | : No specific data.   |
|--------------|---|
| Inhalation   | Adverse symptoms may include the following:<br>reduced foetal weight<br>increase in foetal deaths<br>skeletal malformations   |
| Skin contact | : Adverse symptoms may include the following:<br>reduced foetal weight<br>increase in foetal deaths<br>skeletal malformations |
| Ingestion    | Adverse symptoms may include the following:<br>reduced foetal weight<br>increase in foetal deaths<br>skeletal malformations   |

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

| Notes to physician  | : In case of inhalation of decomposition products in a fire, symptoms may be delayed. |
|---------------------|---|
|                     | The exposed person may need to be kept under medical surveillance for 48 hours.       |
| Specific treatments | : No specific treatment.  |

# **SECTION 5: Firefighting measures**

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

# **SECTION 5: Firefighting measures**

| -   |     | -   |
|---|-----|---|
| 5.2 Special hazards arising f                     | ror | n 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<br>products                  | :   | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>nitrogen oxides<br>phosphorus oxides<br>halogenated compounds<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 if 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. |
| Additional information                            | :   | No unusual hazard if involved in a fire.  |

# **SECTION 6: Accidental release measures**

| 6.1 Personal precautions, pro   | te | ctive equipment and emergency procedures  |
|---------------------------------|----|---|
| For non-emergency<br>personnel  | :  | No action shall be taken involving any personal risk or without suitable training.<br>Evacuate surrounding areas. Keep unnecessary and unprotected personnel from<br>entering. Do not touch or walk through spilt material. Avoid breathing vapour or<br>mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is<br>inadequate. Put on appropriate personal protective equipment.   |
| For emergency responders        | :  | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".   |
| 6.2 Environmental precautions   | :  | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains<br>and sewers. Inform the relevant authorities if the product has caused environmental<br>pollution (sewers, waterways, soil or air).   |
| 6.3 Methods and material for    | со | ntainment and cleaning up   |
| Small spill                     | :  | Stop leak if without risk. Move containers from spill area. Dilute with water and mop 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<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 | :  | See Section 1 for emergency contact information.<br>See Section 8 for information on appropriate personal protective equipment.<br>See Section 13 for additional waste treatment information.   |

# **SECTION 7: Handling and storage**

The information in this section contains generic advice and guidance.

#### 7.1 Precautions for safe handling

| Protective measures                    | : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. 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 25°C (41 to 77°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. Store locked up. 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)

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 / Biological exposure indices

| Recommended monitoring | Reference should be made to monitoring standards, such as the following: |                                   |  |  |
|------------------------|--|-----------------------------------|--|--|
| procedures             | ropean Standard EN 689 (Workplace atmosph                                |                                   |  |  |
|                        | sessment of exposure by inhalation to chemica                            | <b>č</b>                          |  |  |
|                        | lues and measurement strategy) European Sta                              |                                   |  |  |
|                        | nospheres - Guide for the application and use o                          | of procedures for the assessment  |  |  |
|                        | exposure to chemical and biological agents) E                            | uropean Standard EN 482           |  |  |
|                        | orkplace atmospheres - General requirements                              | for the performance of procedures |  |  |
|                        | the measurement of chemical agents) Refere                               | nce to national guidance          |  |  |
|                        | cuments for methods for the determination of h                           | azardous substances will also be  |  |  |
|                        | quired.  |                                   |  |  |

#### **DNELs/DMELs**

| Product/ingredient name   | Туре | Exposure                 | Value                  | Population            | Effects  |
|---|------|--------------------------|------------------------|-----------------------|----------|
| melamine  | DNEL | Long term<br>Inhalation  | 8,3 mg/m <sup>3</sup>  | Workers               | Systemic |
| 1,2-benzisothiazol-3(2H)-one  | DNEL | Long term<br>Inhalation  | 6,81 mg/m³             | Workers               | Systemic |
|   | DNEL | Long term<br>Inhalation  | 1,2 mg/m³              | General<br>population | Systemic |
|   | DNEL | Long term Dermal         | 0,966 mg/<br>kg bw/day | Workers               | Systemic |
|   | DNEL | Long term Dermal         | 0,345 mg/<br>kg bw/day | General<br>population | Systemic |
| reaction mass of: 5-chloro-2-methyl-<br>4-isothiazolin-3-one [EC no.<br>247-500-7] and 2-methyl-2H-<br>isothiazol-3-one [EC no. 220-239-6]<br>(3:1) | DNEL | Long term<br>Inhalation  | 0,02 mg/m³             |                       | Local    |
| · /   | DNEL | Short term<br>Inhalation | 0,04 mg/m <sup>3</sup> | Workers               | Local    |
|   | DNEL | Long term<br>Inhalation  | 0,02 mg/m³             | General<br>population | Local    |
|   | DNEL | Short term<br>Inhalation | 0,04 mg/m <sup>3</sup> | General<br>population | Local    |
|   | DNEL | Long term Oral           | 0,09 mg/<br>kg bw/day  | General<br>population | Systemic |
|   | DNEL | Short term Oral          | 0,11 mg/<br>kg bw/day  | General<br>population | Systemic |

#### **PNECs**

| Product/ingredient name   | <b>Compartment Detail</b> | Value            | Method Detail |
|---|---------------------------|------------------|---------------|
| melamine  | Fresh water               | 0,64 mg/l        | -             |
|   | Marine water              | 0,064 mg/l       | -             |
|   | Soil                      | 1,7 mg/kg dwt    | -             |
|   | Sediment                  | 1,34 mg/kg dwt   | -             |
| 1,2-benzisothiazol-3(2H)-one  | Fresh water               | 0,00403 mg/l     | -             |
|   | Marine water              | 0,000403 mg/l    | -             |
|   | Sewage Treatment          | 1,03 mg/l        | -             |
|   | Plant                     |                  |               |
|   | Fresh water sediment      | 0,0499 mg/kg dwt | -             |
|   | Marine water sediment     | 0,00499 mg/kg    | -             |
|   |                           | dwt              |               |
|   | Soil                      | 3 mg/kg dwt      | -             |
| 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) | Fresh water               | 3,39 ng/l        | -             |
|   | Sewage Treatment<br>Plant | 0,23 mg/l        | -             |
|   | Marine water              | 3,39 ng/l        | -             |
|   | Soil                      | 0,01 mg/kg dwt   | -             |
|   | Fresh water sediment      | 0,027 mg/kg dwt  | -             |
|   | Marine water sediment     | 0,027 mg/kg dwt  | -             |
|   | Fresh water               | 0,00339 mg/l     | -             |
|   | Marine water              | 0,00339 mg/l     | -             |
|   | Sewage Treatment<br>Plant | 0,23 mg/l        | -             |
|   | Fresh water sediment      | 0,027 mg/kg      | -             |
|   | Marine water sediment     | 0,027 mg/kg      | -             |
|   | Soil                      | 0,01 mg/kg       | -             |

#### 8.2 Exposure controls

Date of issue/Date of revision

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

| =                                |   |
|----------------------------------|---|
| Appropriate engineering controls | : If user operations generate dust, fumes, gas, vapour or mist, use process<br>enclosures, local exhaust ventilation or other engineering controls to keep worker<br>exposure to airborne contaminants below any recommended or statutory limits.   |
| Individual protection measur     | <u>es</u>   |
| Hygiene measures                 | : Wash hands, forearms and face thoroughly after handling chemical products,<br>before eating, smoking and using the lavatory and at the end of the working period.<br>Appropriate techniques should be used to remove potentially contaminated clothing.<br>Wash contaminated clothing before reusing. Ensure that eyewash stations and<br>safety 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. Use eye protection according to EN 166. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.     |

#### Skin protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

| Hand protection                    | Chemical-resistant, impervious gloves complying with an approved standard should<br>be worn at all times when handling chemical products if a risk assessment indicates<br>this is necessary. Considering the parameters specified by the glove manufacturer,<br>check during use that the gloves are still retaining their protective properties. It<br>should be noted that the time to breakthrough for any glove material may be<br>different for different glove manufacturers. In the case of mixtures, consisting of<br>several substances, the protection time of the gloves cannot be accurately<br>estimated. > 8 hours (breakthrough time): nitrile rubber (0.5mm) |
|------------------------------------|---|
|                                    | The recommendation for the type or types of glove to use when handling this product is based on information from the following source: EN374. 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.   |
| Body protection                    | : Personal protective equipment for the body should be selected based on the task<br>being performed and the risks involved and should be approved by a specialist<br>before handling this product. Recommended: Wear overalls or long sleeved shirt.<br>(EN 467)   |
| Other skin protection              | <ul> <li>Appropriate footwear and any additional skin protection measures should be<br/>selected based on the task being performed and the risks involved and should be<br/>approved by a specialist before handling this product.</li> </ul>   |
| 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. Recommended: organic vapour (Type A) and particulate filter (as filter combination A-P2) (EN 140).   |
| Environmental exposure<br>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**

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

| 9.1 Information on basic physic            | al and chemical properties  |
|--|---|
| Physical state                             | : Liquid.   |
| Colour                                     | : White.  |
| Odour                                      | : Characteristic.   |
| Odour threshold                            | : Not available.  |
| Melting point/freezing point               | : 0°C [Literature]  |
| Initial boiling point and<br>boiling range | : >100°C (>212°F) [Literature]  |
| Flammability (solid, gas)                  | <ul> <li>Non-flammable in the presence of the following materials or conditions: open<br/>flames, sparks and static discharge, heat and shocks and mechanical impacts.<br/>Nonflammable, but will burn on prolonged exposure to flame or high<br/>temperature.</li> </ul> |
| Lower and upper explosion limit            | : Not available.  |
| Flash point                                | : Not relevant due to nature of the product.  |
| Auto-ignition temperature                  | : Not relevant due to nature of the product.  |
| Decomposition temperature                  | : Not available.  |
| рН   | : 8 to 9,5 [Conc. (% w/w): 100%] [OECD 122]   |
| pH : Justification                         | : Not available.  |
| Viscosity                                  | : Dynamic: 7500 mPa⋅s<br>Kinematic: 5435 mm²/s [calculated.]  |

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

#### Solubility(ies)

| Media  |   | Result  |
|--|---|---|
| cold water<br>hot water<br>methanol<br>acetone |   | Soluble<br>Soluble<br>Very slightly soluble<br>Very slightly soluble  |
| Solubility in water                            | : | Not available.  |
| Miscible with water                            | : | Yes.  |
| Partition coefficient: n-octanol/<br>water     | : | Not applicable.   |
| Vapour pressure                                | : | 2,3 kPa (17,25 mm Hg) [Literature]  |
| Evaporation rate                               | 1 | <1 (butyl acetate = 1)  |
| Relative density                               | 1 | Not available.  |
| Density  | 1 | 1,38 g/cm³ [20°C (68°F)] [DIN 53217]  |
| Vapour density                                 | 1 | >1 [Air = 1]  |
| Explosive properties                           | : | Non-explosive in the presence of the following materials or conditions: open flames, sparks and static discharge and heat. No unusual hazard if involved in a fire. |
| 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 ingredients.           |
|--|--|
| 10.2 Chemical stability                  | : The product is stable.   |
| 10.3 Possibility of hazardous reactions  | : Under normal conditions of storage and use, hazardous reactions will not occur.                      |
| 10.4 Conditions to avoid                 | : No specific data.  |
| 10.5 Incompatible materials              | : No specific data.  |
| 10.6 Hazardous<br>decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

# **SECTION 11: Toxicological information**

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

#### Acute toxicity

| Result                             | Species   | Dose  | Exposure  |
|------------------------------------|---|---|---|
| LD50 Oral                          | Rat   | 3161 mg/kg  | -   |
| LD50 Oral                          | Rat   | 1500 mg/kg  | -   |
| LC50 Inhalation Dusts and mists    | Rat   | 0,11 mg/l   | 4 hours   |
| LC50 Inhalation Dusts and<br>mists | Rat - Male,<br>Female   | 0,5 mg/l  | 4 hours   |
| LD50 Oral                          | Rat - Male  | 490 mg/kg   | -   |
| LC50 Inhalation Dusts and mists    | Rat - Male,<br>Female   | 0,171 mg/l  | 4 hours   |
| LD50 Dermal<br>LD50 Oral           | Rabbit<br>Rat   | 92,4 mg/kg<br>64 mg/kg  | -   |
|                                    | LD50 Oral<br>LD50 Oral<br>LC50 Inhalation Dusts and<br>mists<br>LC50 Inhalation Dusts and<br>mists<br>LD50 Oral<br>LC50 Inhalation Dusts and<br>mists | LD50 OralRatLD50 OralRatLC50 Inhalation Dusts and<br>mistsRatLC50 Inhalation Dusts and<br>mistsRat - Male,<br>Female<br>Rat - Male<br>Rat - Male<br>Rat - Male,<br>FemaleLD50 Oral<br>LC50 Inhalation Dusts and<br>mistsRat - Male,<br>Female<br>Rat - Male,<br>FemaleLD50 Oral<br>LC50 Inhalation Dusts and<br>mistsRat - Male,<br>Rat - Male<br>Rat - Male,<br>Rat - Male,<br>FemaleLD50 DermalRabbit | LD50 OralRat3161 mg/kgLD50 OralRat1500 mg/kgLC50 Inhalation Dusts and<br>mistsRat0,11 mg/lLC50 Inhalation Dusts and<br>mistsRat - Male,<br>Female<br>Rat - Male,<br>Rat - Male,<br>Rat - Male,<br>Rat - Male,<br>Rat - Male,<br>Rat - Male,<br>Rat - Male,<br>Pemale0,5 mg/lLD50 Oral<br>mistsRat - Male,<br>Female<br>Rat - Male,<br>Pemale0,171 mg/lLD50 DermalRabbit92,4 mg/kg |

Acute toxicity estimates

| Product/ingredient name   | Oral (mg/<br>kg)          | Dermal<br>(mg/kg)         | Inhalation<br>(gases)<br>(ppm) | Inhalation<br>(vapours)<br>(mg/l) | Inhalation<br>(dusts<br>and mists)<br>(mg/l) |
|---|---------------------------|---------------------------|--------------------------------|-----------------------------------|--|
| melamine<br>tris(2-chloro-1-methylethyl) phosphate<br>1,2-benzisothiazol-3(2H)-one<br>reaction mass of: 5-chloro-2-methyl-4-isothiazolin-<br>3-one [EC no. 247-500-7] and 2-methyl-2H-<br>isothiazol-3-one [EC no. 220-239-6] (3:1) | 3161<br>1500<br>490<br>64 | N/A<br>N/A<br>N/A<br>92,4 | N/A<br>N/A<br>N/A<br>N/A       | N/A<br>N/A<br>0,5<br>N/A          | N/A<br>N/A<br>N/A<br>0,171                   |

Irritation/Corrosion

# **SECTION 11: Toxicological information**

| Product/ingredient name  | Result   | Species         | Score | Exposure                   | Observation       |  |
|--|--|-----------------|-------|----------------------------|-------------------|--|
| melamine   | Eyes - Mild irritant                             | Rabbit          | -     | 24 hours 500<br>milligrams | -                 |  |
| 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) | Eyes - Severe irritant                           | Rabbit          | -     | -                          | -                 |  |
| ,  | Skin - Severe irritant<br>Skin - Severe irritant | Human<br>Rabbit | -     | 0.01 Percent<br>-          | -<br>1 to 4 hours |  |

#### **Conclusion/Summary**

Skin

: Based on available data, the classification criteria are not met.

Eyes

: Based on available data, the classification criteria are not met.

Eyes Respiratory

: May cause damage to organs through prolonged or repeated exposure.

#### **Sensitisation**

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

**Conclusion/Summary** 

Respiratory

Skin

: Based on available data, the classification criteria are not met.

Mutagenicity

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

#### **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         | : Suspected of causing cancer.                                      |
|----------------------------|---|
| Reproductive toxicity      |   |
| Conclusion/Summary         | : Suspected of damaging fertility.                                  |
| Teratogenicity             |   |
| <b>Conclusion/Summary</b>  | : Based on available data, the classification criteria are not met. |
| Specific target organ toxi | city (single exposure)  |

Not available.

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

| Product/ingredient name | Category   | Route of exposure | Target organs  |
|-------------------------|------------|-------------------|----------------|
| melamine                | Category 2 | -                 | urinary system |

#### Aspiration hazard

Not available.

# Information on likely routes : of exposure

: Routes of entry anticipated: Oral, Inhalation, Eyes. Routes of entry not anticipated: Dermal.

#### Potential acute health effects

Date of issue/Date of revision

# **SECTION 11: Toxicological information**

|                       | -   |
|-----------------------|---|
| Eye contact           | : No known significant effects or critical hazards.   |
| Inhalation            | : No known significant effects or critical hazards.   |
| Skin contact          | : No known significant effects or critical hazards.   |
| Ingestion             | : No known significant effects or critical hazards.   |
| Symptoms related to t | he physical, chemical and toxicological characteristics   |
| Eye contact           | : No specific data.   |
| Inhalation            | : Adverse symptoms may include the following:<br>reduced foetal weight<br>increase in foetal deaths<br>skeletal malformations |
| Skin contact          | : Adverse symptoms may include the following:<br>reduced foetal weight<br>increase in foetal deaths<br>skeletal malformations |
| Ingestion             | : Adverse symptoms may include the following:<br>reduced foetal weight<br>increase in foetal deaths<br>skeletal malformations |
|                       |   |

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

| Short term exposure            |  |
|--------------------------------|--|
| Potential immediate<br>effects | : Not available.   |
| Potential delayed effects      | : Not available.   |
| Long term exposure             |  |
| Potential immediate<br>effects | : Not available.   |
| Potential delayed effects      | : Not available.   |
| Potential chronic health eff   | <u>ects</u>  |
| Not available.                 |  |
| <b>Conclusion/Summary</b>      | : Based on available data, the classification criteria are not met.                      |
| General                        | : May cause damage to organs through prolonged or repeated exposure.                     |
| Carcinogenicity                | : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure. |
| Mutagenicity                   | : No known significant effects or critical hazards.                                      |
| Reproductive toxicity          | : Suspected of damaging fertility.   |

#### 11.2 Information on other hazards

**11.2.1 Endocrine disrupting properties** 

May cause endocrine disruption.

#### **11.2.2 Other information**

Not available.

# **SECTION 12: Ecological information**

#### 12.1 Toxicity

# **SECTION 12: Ecological information**

| Product/ingredient name      | Result   | Species                           | Exposure |  |
|------------------------------|--|-----------------------------------|----------|--|
| 1,2-benzisothiazol-3(2H)-one | Acute EC50 0,11 mg/l   | Algae                             | 72 hours |  |
|                              | Acute EC50 0,067 mg/l  | Algae - Pseudokirchneriella       | 72 hours |  |
|                              |  | subcapitata                       |          |  |
|                              | Acute EC50 0,9893 mg/l Marine water                          | Crustaceans - Opossum Shrimp      | 96 hours |  |
|                              | Acute EC50 2,94 mg/l Fresh water                             | Daphnia spec.                     | 48 hours |  |
|                              | Acute LC50 2,18 mg/l Fresh water                             | Fish                              | 96 hours |  |
|                              | Acute LC50 8 to 13 mg/l                                      | Fish - Alburnus alburnus          | 96 hours |  |
|                              | Acute LC50 1,6 to 2,8 ppm Fresh water                        | Fish - Oncorhynchus mykiss        | 96 hours |  |
|                              | Chronic NOEC 90 mg/l   | Aquatic plants - <i>Phaseolus</i> | 20 days  |  |
|                              |  | vulgaris                          |          |  |
|                              | Chronic NOEC 1,2 mg/l  | Daphnia spec.                     | 21 days  |  |
|                              | Chronic NOEC 0,21 mg/l                                       | Fish                              | 28 days  |  |
|                              | Chronic NOEL 0,0403 mg/l                                     | Algae                             | 72 hours |  |
| reaction mass of: 5-chloro-  | Acute EC50 0,037 mg/l Fresh water                            | Algae                             | 48 hours |  |
| 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)                           |  | Dankais an a                      | 40 h a   |  |
|                              | Acute EC50 0,16 mg/l Fresh water                             | Daphnia spec.                     | 48 hours |  |
|                              | Acute LC50 0,19 mg/l Fresh water                             | Fish                              | 96 hours |  |
|                              | Acute NOEC 0,004 mg/l Marine water                           | Algae                             | 48 hours |  |
|                              | Chronic NOEC 0,18 mg/l<br>Chronic NOEC 0,02 mg/l Fresh water | Daphnia spec.<br>Fish             | 21 days  |  |
|                              | Children NOEC 0,02 High Fresh water                          |                                   | 38 days  |  |

**Conclusion/Summary** 

: Based on available data, the classification criteria are not met.

#### 12.2 Persistence and degradability

| Product/ingredient name  | Test      | Result  | Dose | Inoculum |
|--|-----------|---|------|----------|
| 1,2-benzisothiazol-3(2H)-one<br>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) | OECD 301D | >90 % - Readily - 1 days<br>>60 % - Readily - 28 days | -    | -        |
|  | -         | <50 % - 10 days                                       | -    | -        |

| <b>Conclusion/Summary</b> : This product has not been tested for biodegradation.   |                   |            |                    |
|--|-------------------|------------|--------------------|
| Product/ingredient name  | Aquatic half-life | Photolysis | Biodegradability   |
| 1,2-benzisothiazol-3(2H)-one<br>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) | -                 |            | Readily<br>Readily |

#### **12.3 Bioaccumulative potential**

# **SECTION 12: Ecological information**

| Product/ingredient name   | LogPow        | BCF                          | Potential                |  |
|---|---------------|------------------------------|--------------------------|--|
| melamine<br>tris(2-chloro-1-methylethyl)<br>phosphate<br>1,2-benzisothiazol-3(2H)-one<br>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) | -0.83 to 0.75 | <3.8<br>0.8 to 2.8<br>-<br>- | Low<br>Low<br>Low<br>Low |  |

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

#### 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

May cause endocrine disruption.

#### 12.7 Other adverse effects

No known significant effects or critical hazards.

## **SECTION 13: Disposal considerations**

The information in this section contains generic advice and guidance.

#### 13.1 Waste treatment methods

| Product             |   |
|---------------------|---|
| 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     | : Yes.  |

#### European waste catalogue (EWC)

| Waste code          | Waste designation   |  |  |
|---------------------|---|--|--|
| 08 01 15*           | aqueous sludges containing paint or varnish containing organic solvents or other hazardous substances   |  |  |
| 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.            |

user

14.6 Special precautions for : 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 : Not available. according to IMO instruments

# **SECTION 15: Regulatory information**

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

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

| Product/ingredient name   |                | %             | Designation [Usage]       |  |
|---|----------------|---------------|---------------------------|--|
| Zeroflame Aquasteel WB+   |                | ≥90           | 3                         |  |
| Labelling   |                |               |                           |  |
| Other EU regulations  |                |               |                           |  |
| VOC   | :              |               |                           |  |
| VOC for Ready-for-Use<br>Mixture  | : 2004/42/EC   | - IIA/i: 140o | g/l (2010). <= 15g/l VOC. |  |
| Industrial emissions<br>(integrated pollution<br>prevention and control) -<br>Air   | : Not listed   |               |                           |  |
| Industrial emissions<br>(integrated pollution<br>prevention and control) -<br>Water | : Not listed   |               |                           |  |
| Explosive precursors  | : Not applicab | ole.          |                           |  |
| United Kingdom: Great Britain   |                |               |                           |  |
| UK (GB)/REACH   |                |               |                           |  |
| Annex XIV - List of substances subject to authorisation                             |                |               |                           |  |
| Annex XIV   |                |               |                           |  |
|   |                |               |                           |  |

## **SECTION 15: Regulatory information**

None of the components are listed.

#### Substances of very high concern

None of the components are listed.

#### **Ozone depleting substances**

Not listed.

#### **Prior Informed Consent (PIC)**

Not listed.

#### Persistent Organic Pollutants

Not listed.

#### Aerosol dispensers

#### Seveso Directive

This product is not controlled under the Seveso Directive.

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

#### International regulations

#### Stockholm Convention on Persistent Organic Pollutants

| List name   | Ingredient name | Status |
|-------------|-----------------|--------|
| Not listed. |                 |        |

#### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

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

| List name               | Ing                       | redient name                                     | Status |
|-------------------------|---------------------------|--|--------|
| Not listed.             |                           |  |        |
| <b>CN code</b> : 3209 9 | 00 00                     |  |        |
| Inventory list          |                           |  |        |
| Australia               | : All components are      | listed or exempted.                              |        |
| Canada                  | : All components are      | listed or exempted.                              |        |
| China                   | : All components are      | listed or exempted.                              |        |
| Eurasian Economic U     | nion : Russian Federation | on inventory: Not determined.                    |        |
| Japan                   |                           | CSCL): Not determined.<br>ISHL): Not determined. |        |
| New Zealand             | : All components are      | listed or exempted.                              |        |
| Philippines             | : All components are      | e listed or exempted.                            |        |
| Republic of Korea       | : All components are      | listed or exempted.                              |        |
| Taiwan                  | : All components are      | e listed or exempted.                            |        |
| Thailand                | : Not determined.         |  |        |

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# **SECTION 15: Regulatory information**

**15.2 Chemical safety**<br/>assessment: This product contains substances for which Chemical Safety Assessments are still<br/>required.

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# **SECTION 16: Other information**

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| Indicates information that has changed from previously issued version. |                               |  |
|--|-------------------------------|--|
|  | Abbreviations and<br>acronyms | <ul> <li>ATE = Acute Toxicity Estimate<br/>CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.<br/>1272/2008]<br/>DMEL = Derived Minimal Effect Level<br/>DNEL = Derived No Effect Level<br/>EUH statement = CLP-specific Hazard statement<br/>N/A = Not available<br/>PBT = Persistent, Bioaccumulative and Toxic<br/>PNEC = Predicted No Effect Concentration<br/>RRN = REACH Registration Number<br/>SGG = Segregation Group<br/>vPvB = Very Persistent and Very Bioaccumulative</li> </ul> |
|  |                               |  |

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

| Classification                  | Justification   |
|---------------------------------|-----------------|
| Carc. 2, H351                   | Expert judgment |
| Repr. 2, H361f                  | Expert judgment |
| STOT RE 2, H373 (urinary tract) | Expert judgment |

#### Full text of abbreviated H statements

#### United Kingdom: Great Britain

| statements                     | H302       Hat         H310       Fat         H314       Cat         H315       Cat         H317       Ma         H318       Cat         H317       Ma         H318       Cat         H351       Sus         H361f       Sus         H373       Ma         exp       H400                       | xic if swallowed.<br>rmful if swallowed.<br>tal in contact with skin.<br>uses severe skin burns and eye damage.<br>uses skin irritation.<br>y cause an allergic skin reaction.<br>uses serious eye damage.<br>tal if inhaled.<br>spected of causing cancer.<br>spected of causing cancer.<br>spected of damaging fertility.<br>y cause damage to organs through prolonged or repeated<br>posure.<br>ry toxic to aquatic life.<br>ry toxic to aquatic life with long lasting effects. |
|--------------------------------|---|--|
|                                | H310       Fat         H314       Cat         H315       Cat         H317       Ma         H318       Cat         H318       Cat         H318       Cat         H318       Cat         H351       Sus         H361f       Sus         H373       Ma         exp       H400                      | tal in contact with skin.<br>uses severe skin burns and eye damage.<br>uses skin irritation.<br>y cause an allergic skin reaction.<br>uses serious eye damage.<br>tal if inhaled.<br>spected of causing cancer.<br>spected of damaging fertility.<br>y cause damage to organs through prolonged or repeated<br>posure.<br>ry toxic to aquatic life.  |
|                                | H314       Cat         H315       Cat         H317       Ma         H318       Cat         H318       Cat         H318       Cat         H317       Ma         H318       Cat         H317       Ma         H351       Sus         H361f       Sus         H373       Ma         exp       H400 | uses severe skin burns and eye damage.<br>uses skin irritation.<br>ny cause an allergic skin reaction.<br>uses serious eye damage.<br>tal if inhaled.<br>spected of causing cancer.<br>spected of damaging fertility.<br>ny cause damage to organs through prolonged or repeated<br>posure.<br>ry toxic to aquatic life.   |
|                                | H315 Cat<br>H317 Ma<br>H318 Cat<br>H330 Fat<br>H351 Sus<br>H361f Sus<br>H373 Ma<br>exp<br>H400 Vet  | uses skin irritation.<br>by cause an allergic skin reaction.<br>uses serious eye damage.<br>tal if inhaled.<br>spected of causing cancer.<br>spected of damaging fertility.<br>by cause damage to organs through prolonged or repeated<br>posure.<br>ry toxic to aquatic life.   |
|                                | H317 Ma<br>H318 Cau<br>H330 Fat<br>H351 Sus<br>H361f Sus<br>H373 Ma<br>exp<br>H400 Ver  | by cause an allergic skin reaction.<br>uses serious eye damage.<br>tal if inhaled.<br>spected of causing cancer.<br>spected of damaging fertility.<br>by cause damage to organs through prolonged or repeated<br>posure.<br>ry toxic to aquatic life.  |
|                                | H318 Cat<br>H330 Fat<br>H351 Sus<br>H361f Sus<br>H373 Ma<br>exp<br>H400 Ver   | uses serious eye damage.<br>tal if inhaled.<br>spected of causing cancer.<br>spected of damaging fertility.<br>y cause damage to organs through prolonged or repeated<br>posure.<br>ry toxic to aquatic life.  |
|                                | H330 Fat<br>H351 Sus<br>H361f Sus<br>H373 Ma<br>exp<br>H400 Ver   | tal if inhaled.<br>spected of causing cancer.<br>spected of damaging fertility.<br>y cause damage to organs through prolonged or repeated<br>posure.<br>ry toxic to aquatic life.  |
|                                | H351 Sus<br>H361f Sus<br>H373 Ma<br>exp<br>H400 Ver   | spected of causing cancer.<br>spected of damaging fertility.<br>y cause damage to organs through prolonged or repeated<br>posure.<br>ry toxic to aquatic life.   |
|                                | H361f Sus<br>H373 Ma<br>exp<br>H400 Ver   | spected of damaging fertility.<br>y cause damage to organs through prolonged or repeated<br>posure.<br>ry toxic to aquatic life.   |
|                                | H373 Ma<br>exp<br>H400 Ver  | y cause damage to organs through prolonged or repeated<br>posure.<br>ry toxic to aquatic life.   |
|                                | exp<br>H400 Ver   | posure.<br>ry toxic to aquatic life.   |
|                                | H400 Vei  | ry toxic to aquatic life.  |
|                                |   |  |
|                                | 11110 101   | ry toxic to aduatic life with long lasting effects   |
|                                |   | xic to aquatic life with long lasting effects.   |
|                                |   |  |
| Full text of classifications : | Acute Tox. 2  | ACUTE TOXICITY - Category 2  |
| CLP/GHS]                       | Acute Tox. 3  | ACUTE TOXICITY - Category 3  |
|                                | Acute Tox. 4  | ACUTE TOXICITY - Category 4  |
|                                |   | SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1   |
|                                | Aquatic   | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1  |
|                                | Chronic 1   |  |
|                                | Aquatic   | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2  |
|                                | Chronic 2   |  |
|                                | Carc. 2   | CARCINOGENICITY - Category 2   |
|                                | Eye Dam. 1  | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1   |
|                                | Repr. 2   | REPRODUCTIVE TOXICITY - Category 2   |
|                                | 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 2   | SPECIFIC TARGET ORGAN TOXICITY - REPEATED  |
|                                |   | EXPOSURE - Category 2  |
| Date of printing :             | 17/03/2024  |  |
|                                |   |  |
| Date of issue/Date of revision | : 15/09/2023 Dat  | te of previous issue : 15/09/2023 Version : 4.01 17/1  |

# **SECTION 16: Other information**

| Date of issue/ Date of revision | : 15/09/2023 |
|---------------------------------|--------------|
| Date of previous issue          | : 15/09/2023 |
| Version                         | : 4.01       |
|                                 |              |

#### Notice to reader

IMPORTANT NOTE: The information in this Safety Data Sheet is based on the present state of knowledge and current legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The information contained in this data sheet (as may be amended from time to time) is not intended to be exhaustive and is presented in good faith and believed to be correct as of the date on which it is prepared. It is the user's responsibility to verify that this data sheet is current prior to using the product to which it relates. Persons using the information must make their own determinations as to the suitability of the relevant product for their purposes prior to use. Where those purposes are other than as specifically recommended in this safety data sheet, then the user uses the product at their own risk.

MANUFACTURER'S DISCLAIMER: the conditions, methods and factors affecting the handling, storage, application, use and disposal of the product are not under the control and knowledge of the manufacturer. Therefore the manufacturer does not assume responsibility for any adverse events which may occur in the handling, storage, application, use, misuse or disposal of the product and, so far as permitted by applicable law, the manufacturer expressly disclaims liability for any and all loss, damages and/or expenses arising out of or in any way connected to the storage, handling, use or disposal of the product. Safe handling, storage, use and disposal are the responsibility of the users. Users must comply with all applicable health and safety laws.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.