

# SAFETY DATA SHEET

According to UK REACH Regulation: SI 2019/758



## SECTION 1. IDENTIFICATION

### 1.1 Product identifiers

|                       |  |
|-----------------------|--|
| Product name:         | M-Guard HD   |
| Chemical description: | Water-based acrylic polymer dispersion   |
| REACH Registrations   | The ingredients in this composition have been registered by the individual suppliers |

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

|                      |   |
|----------------------|---|
| Identified uses:     | Water-based concrete coating and sealant              |
| Uses advised against | All uses not specified in this section or Section 7.3 |

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

|            |  |
|------------|--|
| Supplier : | Muralplast<br>11 Invicta Business Park<br>London Road<br>Wrotham<br>Kent<br>TN15 7RJ |
| Telephone  | +44 (0)1732 884022 (Office hours only)   |
| Email      | LUCAS@LUCASUK.com  |

### 1.4 Emergency telephone number

|                             |  |
|-----------------------------|--|
| <i>Emergency telephone:</i> | 0344 8920555 (National Poisons Information Service) * Healthcare professionals only<br>111 (NHS 111 – UK only) |
|-----------------------------|--|

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### Classification according to GB Classification, Labelling and Packaging Regulations

Not classified

### 2.2 Label elements

#### Labelling according to GB Classification, Labelling and Packaging Regulations

|                             |   |
|-----------------------------|---|
| Product identifier          | M-Guard HD  |
| Pictogram:                  | Not applicable  |
| Signal word:                | Not applicable  |
| Hazard statement(s):        | Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction<br>EUH210: Safety data sheet available on request |
| Precautionary statement(s): | P102: Keep out of the reach of children<br>P260: Do not breathe spray<br>P264: Wash hands thoroughly after handling.      |

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|  |  |
|--|--|
|  | <p>P270: Do not eat, drink or smoke when using this product.</p> <p>P301+330+331: IF SWALLOWED: rinse mouth. Do not induce vomiting</p> <p>P302+350: IF ON SKIN: Gently wash with plenty of soap and water</p> <p>P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing</p> <p>P314: Get medical advice/attention if you feel unwell</p> <p>P501: Dispose of contents to licensed waste contractor</p> |
|--|--|

## 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance** : Not applicable

**Mixture** : Hazardous ingredients:

Product does not contain any hazardous ingredients at concentrations above the generic cut-off limits.

| Chemical name              | Identifier  | Concentration [% w/w] | Classification Regulation (EC) No. 1272/2008 [CLP] |
|----------------------------|---|-----------------------|--|
| 1,2-Benzisothiazolin-3-one | EC: 220-120-9<br>CAS: 2634-33-5<br>Reg: 01-2120761540-60-xxxx | < 0.1                 | H302-H315<br>H317-H318<br>H400                     |

## SECTION 4. FIRST AID MEASURES

### Description of first aid measures

|             |  |
|-------------|--|
| If inhaled: | Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped administer artificial respiration. Give nothing by mouth. If unconscious place in the recovery position. Seek medical advice if symptoms develop. |
|-------------|--|

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|                          |  |
|--------------------------|--|
| In case of skin contact: | Remove contaminated clothing, wash skin thoroughly with plenty of soap and water. Do not use solvents or thinners. Seek medical advice if irritation develops.   |
| In case of eye contact:  | If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Seek medical advice if irritation persists. |
| If swallowed             | Rinse mouth with water. Do not induce vomiting. Seek medical advice.   |

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

No known significant effects or critical hazards with the correct use of the product.

|              |   |
|--------------|---|
| Skin contact | There may be mild irritation at the site of contact |
| Eye contact  | There may be irritation and redness                 |
| Ingestion    | There may be irritation of the throat               |
| Inhalation   | No symptoms   |

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

Stomach ache, nausea, eye irritation that persists, skin irritation

Obtain medical attention if a large quantity has been swallowed, or in the event of any acute or delayed symptoms. Treat symptomatically.

## SECTION 5. FIREFIGHTING MEASURES

|  |   |
|--|---|
| <b>5.1 Extinguishing media</b>   |   |
| Suitable extinguishing media:  | Dry chemical, water spray, foam, carbon dioxide<br>As appropriate for surrounding materials |
| Unsuitable extinguishing media   | Water jet – may spread fire   |
| <b>5.2 Special hazards arising from the substance or mixture</b><br>In a fire or if heated, a pressure increase will occur and the container may burst.<br>Thermal decomposition will evolve toxic vapours |   |
| <b>5.3 Advice for firefighters</b><br>Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Cool containers exposed to fire with water spray.               |   |

## SECTION 6. ACCIDENTAL RELEASE MEASURES

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|  |
|--|
| <b>6.1 Personal precautions, protective equipment and emergency procedures</b>   |
| Put on protective equipment. Keep unnecessary and unprotected personnel from entering spillage area. Prevent further release by, for example, turning container so leak is upward, if safe to do so. |
| <b>6.2 Environmental precautions</b>   |
| Prevent entry into drains, surface- and ground waters, basements or confined areas. Contain the spillage with bunding.   |
| <b>6.3 Methods and materials for containment and cleaning up</b>   |
| Dilute small spills with water and mop up, or soak up with inert non-combustible absorbent material. Transfer product to suitably labelled container for disposal at an approved site.               |
| <b>6.4 Reference to other sections</b>   |
| See Sections: 8 (EXPOSURE CONCERNS/PERSONAL PROTECTION) and 13 (DISPOSAL CONSIDERATIONS)   |

## SECTION 7. HANDLING AND STORAGE

|   |   |
|---|---|
| <b>7.1 Precautions for safe handling</b>  |   |
| Precautions:  | Ensure good ventilation   |
| Fire and explosion protection measures:   | No specific protective measures are required  |
| <b>7.2 Conditions for safe storage, including any incompatibilities</b>             |   |
| Requirements for storage areas and containers:                                      | The floor of the storage room must be impermeable to prevent the escape of liquids.<br>Store in a cool, well-ventilated place.<br>Store in dry conditions between 5 degC - 25 degC .<br>Protect from frost. Protect from sunlight and sources of direct heat. Keep in original container.<br>Keep container upright and sealed when not in use. |
| Shelf life:   | 24 months   |
| Incompatible products:  | Oxidising agents, strong acids  |
| <b>7.3 Specific end use(s):</b>   |   |
| Apart from the uses mentioned in section 1.2 no other specific uses are stipulated. |   |

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

**WEL: Workplace Exposure Limit (UK HSE EH40)**

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| Ingredient     | LTEL (8 hours) | STEL (15 minutes) |
|----------------|----------------|-------------------|
| Not applicable | -              | -                 |

**Biological Exposure Limits:** No data available

**DNEL:** No data available

**PNEC:** No data available

**Information on monitoring procedures:**

Recommended monitoring procedures: Not applicable

## 8.2 Exposure controls

| <b>Individual protection measures, such as personal protective equipment:</b> |  |
|---|--|
| Engineering controls  | Use outdoors or with good ventilation.   |
| General safety and hygiene measures:  | Observe the general principles of safety and hygiene.<br>Do not eat, drink, or smoke while working.<br>Wash your hands thoroughly before breaks and after finishing work. Wash contaminated clothing before reusing. Ensure that eyewash stations are close to the workstation location.   |
| <b>8.3 Personal Protective Equipment</b>                                      |  |
| Respiratory protection:   | Not normally required if ventilation is adequate. If air concentrations are high e.g. spraying, a particulate mask (FFP1) or respirator with cartridge filter may be suitable (EN149). Where air filtering respirators are unsuitable (risk of oxygen deficiency, confined space) use appropriate positive pressure breathing apparatus. |
| Hand protection:  | Impervious plastic or rubber gloves – Nitrile, butyl, PVC, Viton. Breakthrough time 480 minutes  |
| Eye/face protection:  | Wear goggles (EN166).  |
| Body/skin protection:   | Wear overalls and boots  |
| Control of environmental exposure:  | Avoid release to the environment   |

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| <b>9.1 Information on basic physical and chemical properties</b> |   |
|--|---|
| (a) Appearance   | Colourless liquid                                 |
| (b) Odour  | Mild, soapy                                       |
| (c) Odour Threshold  | Not determined                                    |
| (d) pH   | 7   |
| (e) Melting point/freezing point                                 | Not applicable. Test not scientifically justified |
| (f) Initial boiling point and boiling range                      | 100 degC  |
| (g) Flash point  | > 93 degC   |

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|   |  |
|---|--|
| (h)Evaporation rate                             | Not applicable. Test not scientifically justified                                |
| (i)Flammability (solid, gas)                    | Not applicable. Product is a liquid  |
| (j)Upper/lower flammability or explosive limits | Not applicable. Test not scientifically justified                                |
| (k)Vapour pressure                              | Not applicable. Test not scientifically justified                                |
| (l)Vapour density                               | Not applicable. Test not scientifically justified                                |
| (m)Relative density                             | 1.01   |
| (n) Water solubility at 20 degC                 | Soluble in water   |
| (o)Partition coefficient: n-octanol/water       | Not applicable. Test not scientifically justified                                |
| (p)Auto-ignition temperature                    | Not applicable. Test not scientifically justified                                |
| (q)Decomposition temperature                    | Not applicable. Test not scientifically justified                                |
| (r)Viscosity                                    | Not available  |
| (s)Explosive properties                         | Product does not contain any structural groups that possess explosive properties |
| (t)Oxidizing properties                         | Product does not contain any structural groups that possess oxidising properties |
| <b>9.2 Other safety characteristics:</b>        | Volatile Organic Content (VOC) < 0.1 g/litre                                     |

## SECTION 10. STABILITY AND REACTIVITY

**10.1 Reactivity:** Non-reactive under normal conditions of transport and storage. Does not undergo hazardous polymerization.

**10.2 Chemical stability:** The product is stable when used properly and stored.

**10.3 Possibility of hazardous reactions:** No hazardous reactions known

**10.4 Conditions to avoid:** Protect from sunlight and temperature above 30°C, and against freezing

**10.5 Incompatible materials:** Oxidising agents, Strong acids

**10.6 Hazardous decomposition products:** Combustion may produce toxic fumes

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects (Mixture)

|  |  |
|--|--|
| <b>Acute toxicity</b><br>Ingestion<br>Inhalation<br>Skin contact | ATE > 2000 mg/kg<br>ATE > 20 mg/L<br>ATE > 5000 mg/kg            |
| <b>Skin corrosion/irritation</b>                                 | Based on available data, the classification criteria are not met |
| <b>Serious eye damage/irritation</b>                             | Based on available data, the classification criteria are not met |

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|  |  |
|--|--|
| <b>Sensitisation</b>   | May cause an allergic reaction                                   |
| <b>Carcinogenicity</b>   | Based on available data, the classification criteria are not met |
| <b>Mutagenicity</b>  | Based on available data, the classification criteria are not met |
| <b>Reproductive toxicity</b>                                   | Based on available data, the classification criteria are not met |
| <b>Lactation</b>   | Based on available data, the classification criteria are not met |
| <b>STOT (Specific Target Organ Toxicity) Single exposure</b>   | Based on available data, the classification criteria are not met |
| <b>STOT (Specific Target Organ Toxicity) Repeated exposure</b> | Based on available data, the classification criteria are not met |
| <b>Aspiration toxicity</b>                                     | Based on available data, the classification criteria are not met |
| <b>11.2 Other hazards</b>                                      |  |

## Symptoms/Routes of Exposure

|                           |   |
|---------------------------|---|
| Skin contact              | There may be mild irritation at the site of contact |
| Eye contact               | There may be irritation and redness                 |
| Ingestion                 | There may be irritation of the throat               |
| Inhalation                | No symptoms   |
| Delayed/immediate effects | No data available                                   |

## SECTION 12. ECOLOGICAL INFORMATION

|   |
|---|
| <b>12.1 Toxicity</b>                      |
| <b>Aquatic toxicity (Product)</b>         |
| Fish (96 hr) LC50: 1.6 mg/L               |
| Daphnia magna (48 hr) EC50: 4.4 mg/L      |
| Algae (72 hr) EC50: > 0.38 mg/L           |
| 1,2-benzisothiazol-3(2H)-one:             |
| Fish (96 hr) LC50 : 2 - 22 mg/L           |
| Daphnia magna. (48 hr) EC50: 2.9 mg/L     |
| Algae (72 hr) EC50: 0.07 – 0.15 mg/L      |
| <b>12.2 Persistence and degradability</b> |
| Not biodegradable in water                |

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|--|
| <b>12.3 Bioaccumulative potential</b>                      |
| The product has no potential for bioaccumulation.          |
| <b>12.4 Mobility in soil</b>                               |
| The product is readily absorbed into soil.                 |
| <b>12.5 Results of PBT and vPvB assessment</b>             |
| Not classified as PBT or vPvB.                             |
| <b>12.6 Other adverse effects:</b> Toxic to soil organisms |

## SECTION 13. DISPOSAL CONSIDERATIONS

This material and its container must be disposed of in a safe way. Empty containers may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Consult an accredited waste disposal contractor or the local authority for advice.

## SECTION 14. TRANSPORT INFORMATION

|                                      |  |
|--------------------------------------|--|
| <b>UN number</b>                     | The product is not dangerous for road (ADR), rail (RID), sea (IMDG), and air (IATA) transport. |
| <b>UN proper shipping name</b>       | Not applicable   |
| <b>Transport hazard class (es)</b>   | Not applicable   |
| <b>Packaging group</b>               | Not applicable   |
| <b>Environmental hazards</b>         | Not applicable   |
| <b>Special precautions for users</b> | Not applicable   |

**Transport in bulk according to Annex II of MARPOL and the IBC Code :** Not applicable

## SECTION 15. REGULATORY INFORMATION

**Safety, health and environmental regulations specific for the substance or mixture:**

|  |  |
|--|--|
| <b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b> | GB Classification, Labelling and Packaging Regulations (EC 1272/2008 as amended by The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc) (EU Exit) Regulations 2019 No. 720 Schedule 2) |
|--|--|

Paint, Varnishes and Vehicle Refinishing Products  
Regulations 2012: 1715 (Volatile Organic Content)



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## 15.2 Chemical Safety Assessment

A chemical safety assessment was not carried out for this product

## SECTION 16. OTHER INFORMATION

The following sections contain revisions or new statements: Sections #1 to #16

### Abbreviations

|                |   |
|----------------|---|
| <b>ADR</b>     | International Regulation – Carriage of goods by road  |
| <b>ATE</b>     | Acute Toxicity Estimate                               |
| <b>CAS</b>     | Chemical Abstracts Service                            |
| <b>DNEL</b>    | Derived No Effect Level                               |
| <b>EC ***-</b> | European Community Number                             |
| <b>EH40</b>    | HSE EH40/2015 Workplace Exposure Limits               |
| <b>HSE</b>     | UK Health and Safety Executive                        |
| <b>IATA</b>    | International Air Transport Association               |
| <b>IMDG</b>    | International Maritime Dangerous Goods                |
| <b>IMO</b>     | International Maritime Organisation                   |
| <b>LTEL</b>    | Long Term Exposure Limit (8 hours)                    |
| <b>MARPOL</b>  | International Convention Prevent Pollution from Ships |
| <b>PNEC</b>    | Predicted No-Effect Concentration                     |
| <b>PBT</b>     | Persistent, Bioaccumulative and Toxic                 |
| <b>RID</b>     | International Agreement – Carriage of goods by rail   |
| <b>STEL</b>    | Short Term Exposure Limit (15 minutes)                |
| <b>VOC</b>     | Volatile Organic Content                              |
| <b>vPvB</b>    | very Persistent and very Bioaccumulative              |

### Mixtures classification methods:

The product has been classified according to the generic concentration limits defined in the Classification, Labelling and Packaging Regulations and the ECHA guidance notes for the classification of mixtures.

### Full text of H-Statements referred to under Section 2 and Section 3.

|                  |   |
|------------------|---|
| <b>Section 2</b> | Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction<br>EUH210: Safety data sheet available on request   |
| <b>Section 3</b> | <i>H302: Harmful if swallowed</i><br><i>H315: Irritating to skin</i><br><i>H317: May cause an allergic skin reaction</i><br><i>H318: Causes eye damage</i><br><i>H400: Very toxic to aquatic life</i> |

### References:

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European Chemicals Agency  
UK and European Regulations and Directives  
Published chemical directories  
Suppliers' safety data sheets  
UK Health and Safety Executive

The information contained in this Safety Data Sheet has been based on sources and technical knowledge as well as applicable law at European and national level, and its accuracy cannot be fully guaranteed. This information cannot be regarded as a guarantee of product properties, as it is only a description of the requirements regarding safety issues. The methods and working conditions of the users of this product are beyond the reach of our knowledge and control, so the user is responsible for taking appropriate measures to comply with legal requirements regarding the handling, storage, use and disposal of chemical products. The information contained in this Safety Data Sheet applies only to the product that must not be used for purposes other than those specified therein.