

# SAFETY DATA SHEET

Revision: 18 June 2024

Version number: 1.1

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

|  |  |
|--|--|
| <b>1.1 Product identifier</b>  | <b>Milliput Component A</b><br>Colour variations: Standard, Teracotta, Black, Superfine White, Silver Grey, Metallic, and Turquoise-Blue.  |
| <b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b> | Component A of two-part, cold-setting epoxy putty.<br>Uses advised against: not available.   |
| <b>1.3 Details of the supplier of the safety data sheet</b>                              | The Milliput Company,<br>Unit 8, The Marian,<br>Dolgellau,<br>Gwynedd LL40 1UU, UK.<br>Tel 01341 422562; info@milliput.co.uk.  |
| <b>1.4 Emergency telephone number</b>  | Tel 01341 422562 (UK business hours).<br><br>UK: 111 (public NHS number for less urgent medical problems). Medical professionals can contact the National Poisons Information Service (NPIS): 0344 892 0111. |

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to CLP Regulation: UK SI 2019 No. 720 and EU Regulation 1272/2008.

Skin Irrit 2, H315; Eye Irrit 2, H319; Skin Sens 1, H317; Aquatic Chronic 2, H411.

See Section 16 'Other information' for full text of the H-statements.

### 2.2 Label elements



Signal word

Warning

Hazard statements

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

Precautionary statements

general

Keep out of reach of children.

prevention

Wear protective gloves and eye protection.

response

If skin irritation or rash occurs: Get medical attention.  
If eye irritation persists: Get medical attention.

# SAFETY DATA SHEET

Revision: 18 June 2024

Version number: 1.1

|                          |   |
|--------------------------|---|
| storage                  | None.   |
| disposal                 | Dispose of contents/container in accordance with local/national regulation. |
| Supplemental information | None.   |
| <b>2.3 Other hazards</b> | Not available.  |

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures <sup>a,b</sup>

| Declarable components    | Conc. (wt%) | EC No.    | CAS No.    | REACH Reg. No. | Classification, supplemental hazards, ATE, M-factor, and SCL                      |
|--------------------------|-------------|-----------|------------|----------------|---|
| Epoxy resin <sup>c</sup> | 25–50       | 500-033-5 | 25068-38-6 | NA             | Skin Irrit 2, H315; Eye Irrit 2, H319; Skin Sens 1, H317; Aquatic Chronic 2, H411 |
| <i>Other components</i>  |             |           |            |                |   |
| Not available            |             |           |            |                |   |

<sup>a</sup> NA: not available.<sup>b</sup> See Section 16 'Other information' for full text of the H-statements.<sup>c</sup> Chemical name: 4,4'-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

|            |  |
|------------|--|
| Inhalation | If inhalation of product is suspected of causing symptoms, remove exposed person to fresh air and keep at rest in a position comfortable for breathing. For difficulties in breathing, respiratory irritation, or other symptoms, get medical attention. |
| Skin       | For signs of irritation or rash, wash affected area with soap and water. Get medical attention if symptoms persists.   |
| Eye        | If in eye, rinse with room-temperature water or eyewash solution for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.  |
| Ingestion  | If in mouth, rinse out with water. Give water to drink if the product has been swallowed. Get medical attention if exposed person feels unwell. Do not induce vomiting, unless instructed by medical personnel.  |

**4.2 Most important symptoms and effects, both acute and delayed** Causes skin irritation and may cause an allergic skin reaction. Causes serious eye irritation.

**4.3 Indication of any immediate medical** Treat symptoms as they occur.

# SAFETY DATA SHEET

Revision: 18 June 2024

Version number: 1.1

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**attention and special  
treatment needed**

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable Water spray, alcohol-resistant foam, carbon dioxide, or dry powder.

Unsuitable Water jet may spread fire.

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

The product is not classified as flammable. If involved in a fire, product will decompose producing hazardous smoke, vapours and gases.

### 5.3 Advice for firefighters

Remove product from fire or cool containers with water spray. Firefighters should wear self-contained breathing apparatus and full protective clothing.

Prevent water from firefighting from entering water-courses or drainage system.

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## Section 6: Accidental release measures

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

Product is supplied in small packages for consumers which can be collected.

For large spills in a professional setting, wear personal protection. Follow prescribed procedures for responding to workplace spills.

### 6.2 Environmental precautions

Prevent product from entering water courses or drainage system.

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

Clean up spill as soon as possible.

For small quantities, collect product or wipe off residue with cloth or paper.

For larger quantities, absorb onto an inert material (eg sand), and sweep up.

Rinse contaminated surfaces with soap and water. Collect waste, washings, and contaminated materials for safe disposal.

### 6.4 Reference to other sections

For recommended personal protective equipment, see Section 8.

For disposal considerations, see Section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

See Section 8 for engineering controls and personal protection.

Keep out of reach of children.

For bulk handling, avoid skin and eye contact with the product, using measures described in Section 8. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

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

For bulk storage, keep container closed. Store containers in a cool, dry place away from direct sunlight.

# SAFETY DATA SHEET

Revision: 18 June 2024

Version number: 1.1

**7.3 Specific end use(s)** Component A of two-part, cold-setting epoxy putty.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

|                                    |  |
|------------------------------------|--|
| EU limit values                    | None.  |
| National limit values (UK)         | Talc, respirable dust: WEL: 8 h TWA, 1 mg/m <sup>3</sup> . |
| Monitoring procedure               | Not available.   |
| Other: human health (DNELs, DMELs) | Not available.   |
| Other: environmental (PNEC)        | Not available.   |

### 8.2 Exposure controls

|                                 |   |
|---------------------------------|---|
| Engineering controls            | For workplace use, good general ventilation (eg 3-5 air exchanges per hour) is recommended.   |
| Personal protective equipment   | For handling in the workplace, the need for personal protective equipment should be based on a risk assessment for the particular use. Avoid skin contact by wearing chemical resistant gloves (eg nitrile, 0.2 mm) and safety goggles. If extensive contact may occur, wear protective clothing (eg apron, lab coat). Respiratory protective equipment not required for foreseen use. PPE should conform to GB or European (EN) standards. Consult manufacturer concerning breakthrough times. |
| Environmental exposure controls | Not available.  |

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|  |  |
|--|--|
| (a) Physical state   | Liquid (paste)   |
| (b) Colour   | Various colours (Standard, Teracotta, Black, Superfine White, Silver Grey, Metallic, and Turquoise-Blue) |
| (c) Odour  | Characteristic   |
| (d) Melting/freezing point                                   | Not available; epoxy resin -16 °C  |
| (e) Boiling point or initial boiling point and boiling range | Not available; epoxy resin 320 °C  |
| (f) Flammability   | Not available  |
| (g) Lower and upper explosion limit                          | Not available  |
| (h) Flash point  | Not available; epoxy resin 266 °C  |

# SAFETY DATA SHEET

Revision: 18 June 2024

Version number: 1.1

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|  |   |
|--|---|
| (i) Auto-ignition temp.                          | Not available   |
| (j) Decomposition temp.                          | Not available   |
| (k) pH   | Not available   |
| (l) Kinematic viscosity                          | Not available   |
| (m) Solubility                                   | Water: epoxy resin 7 mg/L at 25 °C                        |
| (n) Partition coeff. n-octanol/water (log value) | Epoxy resin 3.2 at 25 °C (calculated)                     |
| (o) Vapour pressure                              | Not available; epoxy resin < 0.001 Pa at 20 °C (estimate) |
| (p) Density or rel. density                      | Not available   |
| (q) Relative vapour density                      | Not available   |
| (r) Particle characteristics                     | Not available   |
| <b>9.2 Other information</b>                     | Not considered explosive or oxidising                     |

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## SECTION 10: Stability and reactivity

|  |  |
|--|--|
| <b>10.1 Reactivity</b>                         | Not available.   |
| <b>10.2 Chemical stability</b>                 | Stable under recommended storage and handling conditions. No hazardous polymerization. |
| <b>10.3 Possibility of hazardous reactions</b> | Not available.   |
| <b>10.4 Conditions to avoid</b>                | High temperatures, or direct sunlight.   |
| <b>10.5 Incompatible materials</b>             | Strong acids, alkalis, and oxidising agents.   |
| <b>10.6 Hazardous decomposition products</b>   | Not available.   |

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## SECTION 11: Toxicological information

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

|                                   |   |
|-----------------------------------|---|
| (a) Acute toxicity                | Based on available data on the ingredients, the classification criteria are not met for the oral route.<br>Epoxy resin: LD <sub>50</sub> (oral, rat, method OECD 420) > 2000 mg/kg. |
| (b) Skin corrosion/irritation     | Based on available data on the ingredients, the classification criteria are met for Category 2 (causes skin irritation).<br>Epoxy resin: may cause irritation.                      |
| (c) Serious eye damage/irritation | Based on available data on the ingredients, the classification criteria are met for Category 2 (causes serious eye irritation).<br>Epoxy resin: may cause serious eye irritation.   |

# SAFETY DATA SHEET

Revision: 18 June 2024

Version number: 1.1

---

|  |  |
|--|--|
| (d) Respiratory or skin sensitisation    | Respiratory sensitisation: no relevant ingredient has been classified for this effect.<br>Dermal sensitisation: based on available data, the classification criteria are met for Category 1 (may cause an allergic skin reaction).<br>Epoxy resin: may cause skin sensitisation. |
| (e) Germ cell mutagenicity               | Based on available data, the classification criteria are not met.<br>No relevant ingredient has been classified for this effect.   |
| (f) Carcinogenicity                      | Based on available data, the classification criteria are not met.<br>No relevant ingredient has been classified for this effect.   |
| (g) Reproductive toxicity                | Based on available data, the classification criteria are not met.<br>No relevant ingredient has been classified for this effect.   |
| (h) STOT-single exposure                 | Based on available data, the classification criteria are not met.<br>No relevant ingredient has been classified for this effect.   |
| (i) STOT-repeated exposure               | Based on available data, the classification criteria are not met.<br>No relevant ingredient has been classified for this effect.   |
| (j) Aspiration hazard                    | Based on available data, the classification criteria are not met.<br>No relevant ingredient has been classified for this effect.   |
| <b>11.2 Information on other hazards</b> | No ingredient has been identified with endocrine disrupting properties relevant for humans.  |

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## SECTION 12: Ecological information

|  |  |
|--|--|
| <b>12.1 Toxicity</b>                           | Based on available data, the classification criteria are met for Aquatic Chronic Category 2 (toxic to aquatic life with long lasting effects).<br>Epoxy resin: toxic to aquatic organisms with long lasting effects: EC <sub>50</sub> (Daphnia, 48 h) 1 mg/L; EC <sub>50</sub> (algae, 72 h) 9 mg/L. |
| <b>12.2 Persistence and degradability</b>      | Epoxy resin: not readily biodegradable, but hydrolyses in water (82% over 28 d).   |
| <b>12.3 Bioaccumulative potential</b>          | Not available.   |
| <b>12.4 Mobility in soil</b>                   | Not available.   |
| <b>12.5 Results of PBT and vPvB assessment</b> | No ingredients have been identified as PBT or vPvB.  |
| <b>12.6 Endocrine disrupting properties</b>    | No ingredients have been identified as an endocrine disruptor.   |
| <b>12.7 Other adverse effects</b>              | The mixture is not classified as hazardous to the ozone layer.   |

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## SECTION 13: Disposal considerations

|                                     |  |
|-------------------------------------|--|
| <b>13.1 Waste treatment methods</b> | Small consumer items may be disposed of in landfill.<br>For bulk disposal, incineration or landfill is recommended for this product. Disposal via the drains is not recommended. |
|-------------------------------------|--|

# SAFETY DATA SHEET

Revision: 18 June 2024

Version number: 1.1

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Chemical residues generally count as special waste. General EU requirements are given in Directive 2008/98/EC and GB equivalent.

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## SECTION 14: Transport information

|   |   |
|---|---|
| <b>14.1 UN Number</b>   | UN 3082.  |
| <b>14.2 UN proper shipping name</b>                                 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N O S (contains 4,4'-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane). |
| <b>14.3 Transport hazard class(es)</b>                              | 9.  |
| <b>14.4 Packing group</b>   | III.  |
| <b>14.5 Environmental hazards</b>                                   | Marine pollutant/environmentally hazardous.   |
| <b>14.6 Special precautions for user</b>                            | Not available.  |
| <b>14.7 Maritime transport in bulk according to IMO instruments</b> | Not applicable.   |

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## SECTION 15: Regulatory information

|  |   |
|--|---|
| <b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b> | <i>UK:</i> Control of Substances Hazardous to Health Regulations 2002 (COSHH), as amended.<br>COSHH Essentials: Easy Steps to Control Chemicals; HSE Books 2003 (also available on the HSE web site).<br>Workplace Exposure Limits EH40/2005 (Second edition, published 2011), Health and Safety Executive. |
| <b>15.2 Chemical safety assessment</b>   | Not available.  |

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## SECTION 16: Other information

|               |  |
|---------------|--|
| Revisions     | This SDS is version 1.1 in EU format (Regulation 2020/878), using classification according to the CLP Regulation, or GB equivalent. Changes from the previous version 1.0 of 2 May 2022 include: addition of new colour variant, Metallic.   |
| Abbreviations | DMEL, derived minimum effect level; DNEL, derived no-effect level; EC, effect concentration; LD, lethal dose; OECD, Organisation for Economic Co-operation and Development; PBT, persistent, bioaccumulative, and toxic; PNEC, predicted no-effect concentration; STOT RE, specific target organ toxicity, repeated exposure; STOT SE, specific target organ toxicity, single exposure; TWA, time-weighted average; vPvB, very persistent, very bioaccumulative; WEL, UK workplace exposure limit. |
| References    | Search for chemicals; available at the European Chemicals Agency (ECHA) website: <a href="http://echa.europa.eu/">http://echa.europa.eu/</a> .   |

# SAFETY DATA SHEET

Revision: 18 June 2024

Version number: 1.1

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|                           |  |
|---------------------------|--|
| Basis of classification   | The classification of the mixture has been assessed according to the criteria given in Regulation 1272/2008 or GB equivalent on the basis of available information on the ingredients. |
| List of hazard statements | H315: Causes skin irritation; H317: May cause an allergic skin reaction; H319: Causes serious eye irritation; H411: Toxic to aquatic life with long lasting effects.                   |