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Revision: 18 June 2024 Version number: 1.1

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

1.1 Product identifier

Milliput Component A

Colour variations: Standard, Teracotta, Black, Superfine White, Silver Grey, Metallic, and Turquoise-Blue.

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

Component A of two-part, cold-setting epoxy putty.

Uses advised against: not available.

1.3 Details of the supplier of the safety data sheet

The Milliput Company,
Unit 8, The Marian,
Dolgellau,
Gwynedd LL40 1UU, UK.
Tel 01341 422562; info@milliput.co.uk.

1.4 Emergency telephone number

Tel 01341 422562 (UK business hours).

UK: 111 (public NHS number for less urgent medical problems). Medical professionals can contact the National Poisons Information Service (NPIS): 0344 892 0111.

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.

storage: None.

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disposal	Dispose of contents/container in accordance with local/national regulation.
Supplemental information	None.

2.3 Other hazards Not available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures [a,b]

Declarable components	*Conc. (wt%)*	*EC No.*	*CAS No.*	*REACH Reg. No.*	*Classification, supplemental hazards, ATE, M-factor, and SCL*
Epoxy resin [c]	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
Other components					
Not available					

[a] NA: not available.

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

[c] 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 attention and special treatment needed Treat symptoms as they occur.

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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.

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 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.

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.

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

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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^3.
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
(i)	Auto-ignition temp.	Not available
(j)	Decomposition temp.	Not available
(k)	pH	Not available

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(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
9.2	**Other information**	Not considered explosive or oxidising

SECTION 10: Stability and reactivity

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

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. Epoxy resin: LD_{50} (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). 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). Epoxy resin: may cause serious eye irritation.
(d)	Respiratory or skin sensitisation	Respiratory sensitisation: no relevant ingredient has been classified for this effect. Dermal sensitisation: based on available data, the classification criteria are met for Category 1 (may cause an allergic skin reaction). Epoxy resin: may cause skin sensitisation.
(e)	Germ cell mutagenicity	Based on available data, the classification criteria are not met. No relevant ingredient has been classified for this effect.

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(f) Carcinogenicity	Based on available data, the classification criteria are not met. No relevant ingredient has been classified for this effect.
(g) Reproductive toxicity	Based on available data, the classification criteria are not met. No relevant ingredient has been classified for this effect.
(h) STOT-single exposure	Based on available data, the classification criteria are not met. No relevant ingredient has been classified for this effect.
(i) STOT-repeated exposure	Based on available data, the classification criteria are not met. No relevant ingredient has been classified for this effect.
(j) Aspiration hazard	Based on available data, the classification criteria are not met. No relevant ingredient has been classified for this effect.
11.2 Information on other hazards	No ingredient has been identified with endocrine disrupting properties relevant for humans.

SECTION 12: Ecological information

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods	Small consumer items may be disposed of in landfill. For bulk disposal, incineration or landfill is recommended for this product. Disposal via the drains is not recommended. Chemical residues generally count as special waste. General EU requirements are given in Directive 2008/98/EC and GB equivalent.

SECTION 14: Transport information

14.1 UN Number	UN 3082.
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N O S (contains 4,4'-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane).

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14.3 Transport hazard class(es)	9.
14.4 Packing group	III.
14.5 Environmental hazards	Marine pollutant/environmentally hazardous.
14.6 Special precautions for user	Not available.
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.

SECTION 15: Regulatory information

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

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: http://echa.europa.eu/.
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.