

According to directive 1907/2006/EC, 2020/878  
Version 2.1 Revision Date 18-06-2024  
Trade name: Milliput part A

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

### **1.1 Product identification:**

Product name: Milliput part A  
Colour variations: Standard, Terracotta, Black, Superfine White, Silver Grey, Metallic, and Turquoise-Blue.  
UFI-code black: WCNG-74TX-V8H2-6QKW  
UFI-code silver grey: WCNG-74TX-V8H2-6QKW  
UFI-code metallic: YENG-R4HC-58HK-U25Y  
UFI-code standard yellow: WCNG-74TX-V8H2-6QKW  
UFI-code superfine white: 3HNG-846R-G8H2-HDS1  
UFI-code Terracotta : WCNG-74TX-V8H2-6QKW  
UFI-code Turquoise : WCNG-74TX-V8H2-6QKW

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

Usage: 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**

Responsible distributor: ASSYST bvba / A.S.O.W. bvba  
Hellegatstraat 13a  
2590 Berlaar  
Belgium  
Tel: +32 495 50 61 14 / +32 496 83 70 27  
Website: [www.assyst.org](http://www.assyst.org) / [www.artsuppliesonweb.com](http://www.artsuppliesonweb.com)  
Email: [ao@assyst.org](mailto:ao@assyst.org) / [vera.opsommer@assyst.org](mailto:vera.opsommer@assyst.org)

### **1.4 Emergency telephone number:**

For Belgium: Call the **Poison Control Centre (070 245 245 - free)**, if not available: **02 264 96 30** (normal rate) or your doctor. In life-threatening situations, always call the European emergency number **112**.  
NHS 24 Direct For help from a GP, visit your GP surgery's website, use an online service to contact your GP, or call the surgery. **For urgent medical help**, use the NHS 111 online service, or **call 111** if you are unable to get help online. **For life-threatening emergencies, call 999** for an ambulance. There is more information about getting medical help on the NHS website.

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture:**

**Classification according to Directive (EC) No 1272/2008 and its amendments.**

The product is classified according to the applicable legislation.

**Classification in accordance with Regulation (EC) No 1272/2008 as amended.**

#### **Health hazards**

Skin corrosion/irritation, Category 2 - H315: Causes skin irritation.

Serious eye irritation, Category 2 - H319: Causes serious eye irritation.

Skin sensitisation, Category 1 - H317: May cause an allergic skin reaction.

(Chronic) Aquatic long-term hazard, Category 2 - H411: Toxic to aquatic life with long lasting effects.

### **2.2 Label elements:**

**Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]:**

**Hazard pictograms:**

**Signal word**



Warning.

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**Indications of danger:**

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.

**Precautions****Prevention:**

P102 Keep out of reach of children.  
P280 Wear protective gloves/eye protection/face protection.

**Action:**

P332+313 IF skin irritation occurs: Get medical advice/attention.  
P337+313 If eye irritation persists: Get medical advice/attention.  
P501 Dispose of contents/container in accordance with local, regional and national regulations.

**2.3 Other hazards:**

This substance/mixture does not contain any components that can be considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**Ecological information:**

The substance/mixture does not contain any components suspected of having endocrine disrupting properties according to REACH Article 57(f) or the Delegated Commission Regulation (EU) 2017/2100 or the Commission Regulation (EU) 2018/605 at level 0.1% or higher.

**Toxicological information:**

The substance/mixture does not contain any components suspected of having endocrine disrupting properties according to REACH Article 57(f) or the Delegated Commission Regulation (EU) 2017/2100 or the Commission Regulation (EU) 2018/605 at level 0.1% or higher.

**SECTION 3: Composition and information on ingredients****3.2 Mixtures:****Description:**

Chemical description : Modified epoxy resin

| Chemical Name  | CAS No.<br>EC-No.<br>Index no.<br>Registration number | Layout<br>(Regulation (EC) No 1272/008)   | Concentration (%) |
|--|---|---|-------------------|
| Epoxy resin: 4,4'-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane. | 25068-38-6<br>500-033-5<br>603-074-00-8<br>-          | Eye Irrit.2; H319<br>Skin Irrit.2; H315<br>Skin Sens.1; H317<br>Aquatic Chronic2; H411<br><br><u>specific concentration limits</u><br>Eye Irrit. 2; H319<br>>= 5 %<br>Skin Irrit. 2; H315<br>>= 5 % | 25 – 50           |

For explanation of abbreviations see section 16.

**SECTION 4: First aid measures****4.1 Description of first aid measures:****By 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.

**In contact with skin:**

For signs of irritation or rash, wash affected area with soap and water.

Get medical attention if irritation or rash persists.

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#### **In case of contact with eyes:**

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.

#### **If swallowed:**

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.

### **SECTION 5: Fire-fighting measures**

#### 5.1 Extinguishing media:

##### **Suitable extinguishing media:**

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

##### **Unsuitable extinguishing media:**

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 for the substance or mixture**

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

##### **Personal precautions:**

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 (e.g. 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.

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

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

### 8.1 Control parameters:

The product does not contain any components for which exposure values have been established.

|                                    |  |
|------------------------------------|--|
| 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 (e.g. 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 (e.g. nitrile, 0.2 mm) and safety goggles.

If extensive contact may occur, wear protective clothing (e.g. 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.

#### **Protective measures:**

Not available.

## **SECTION 9: Physical and chemical properties**

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

|   |   |
|---|---|
| Physical state:   | Liquid (paste)  |
| Colour:   | Various colours (Standard, Terracotta, Black, Superfine White, Silver Grey, Metallic, and Turquoise-Blue) |
| Odour:  | Characteristic  |
| Melting/freezing point:                                   | Not available; epoxy resin -16°C  |
| Boiling point or initial boiling point and boiling range: | Not available; epoxy resin 320°C  |
| Flammability:   | Not available   |
| Lower and upper explosion limit:                          | Not available   |
| Flash point:  | Not available; epoxy resin 266°C  |
| Auto-ignition temperature:                                | Not available   |
| Decomposition temperature:                                | Not available   |
| pH:   | Not available   |
| Kinematic viscosity:                                      | Not available   |
| Solubility:   | Water: epoxy resin 7 mg/L at 25°C   |
| Partition coefficient n-octanol/water (log value):        | Epoxy resin 3.2 at 25°C (calculated)  |
| Vapour pressure:  | Not available; epoxy resin < 0.001 Pa at 20°C (estimate)  |
| Density or relative density:                              | Not available   |
| Relative vapour density:                                  | Not available   |
| Particle characteristics:                                 | Not available   |

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## 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 Potentially hazardous reactions:

Not available.

### 10.4 Conditions to avoid

High temperatures, or direct sunlight.

### 10.5 Chemically Interacting Materials:

Strong acids, alkalis, and oxidising agents.

### 10.6 Hazardous decomposition products:

Not available.

## **SECTION 11: Toxicological information**

### 11.1 Information on toxicological effects:

#### **Acute toxicity**

Based on available data on the ingredients, the classification criteria are not met for the oral route.

Epoxy resin: LD50 (oral, rat, method OECD 420) > 2000 mg/kg.

#### **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.

#### **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.

#### **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.

#### **Germ cell mutagenicity:**

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

No relevant ingredient has been classified for this effect.

#### **Carcinogenicity:**

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

No relevant ingredient has been classified for this effect.

#### **Reproductive toxicity:**

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

No relevant ingredient has been classified for this effect.

#### **STOT-single exposure:**

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

No relevant ingredient has been classified for this effect.

#### **STOT-repeated exposure:**

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

No relevant ingredient has been classified for this effect.

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## **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

#### **Endocrine disrupting properties**

The substance/mixture does not contain any components suspected of having endocrine disrupting properties according to REACH Article 57(f) or the Delegated Commission Regulation (EU) 2017/2100 or the Commission Regulation (EU) 2018/605 at level 0.1% or higher.

#### **Further information**

No data available

## **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).

Product:

#### Epoxy resin:

Toxic to aquatic organisms with long lasting effects:

EC50 (Daphnia, 48 h) 1 mg/L; EC50 (algae, 72 h) 9 mg/L.

### 12.2 Persistence and Degradability:

Product:

#### Epoxy resin:

Not readily biodegradable, but hydrolyses in water (82% over 28 d).

### 12.3 Bioaccumulation:

Product:

No data available

### 12.4 Mobility in Soil:

No data available

### 12.5 Results of PBT and vPvB assessment

Product:

Assessment:

This substance/mixture does not contain any components that can be considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Endocrine disrupting properties

Product:

Assessment:

The substance/mixture does not contain any components suspected of having endocrine disrupting properties according to REACH Article 57(f) or the Delegated Commission Regulation (EU) 2017/2100 or the Commission Regulation (EU) 2018/605 at level 0.1% or higher.

### 12.7 Other Harmful Effects:

The mixture is not classified as hazardous to the ozone layer.

## **SECTION 13: Instructions for disposal**

### 13.1 Waste treatment methods:

**Product:**

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.

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## **SECTION 14: Information relating to carriage**

### 14.1 UN number

ADR/RID/ADN: UN 3082

IMDG: UN 3082

IATA: UN 3082

### 14.2 Proper load name according to UN Model Regulations

ADR/RID/ADN: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N O S (contains 4,4'-isopropylidenediphenol, oligomeric reaction  
products with 1-chloro-2,3-epoxypropane).

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N O S (contains 4,4'-isopropylidenediphenol, oligomeric reaction  
products with 1-chloro-2,3-epoxypropane).

IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N O S (contains 4,4'-isopropylidenediphenol, oligomeric reaction  
products with 1-chloro-2,3-epoxypropane).

### 14.3 Transport hazard class(es)

ADR/RID/ADN: 9

IMDG: 9

IATA: 9

### 14.4 Packing group

ADR/RID/AND: III

IMDG: III

IATA: III

### 14.5 Environmental hazards

#### **ADR/RID/AND**

Environmentally hazardous: yes

#### **IMDG**

Marine pollution: yes

#### **IATA**

Environmentally hazardous: yes

### 14.6 Special precautions for the user

#### **Notes:**

The transport of dangerous goods, including loading and unloading, must be carried out in accordance with regulations by personnel who have received the necessary training.

The transport classification(s) given herein are only for information and based on the properties of the unpackaged material as described in this safety data sheet. Transport classifications may vary with regard to mode of transport, size of packaging and variations in regional or national regulations.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as delivered.

## **SECTION 15: Legally required information**

### 15.1 Safety, health and environmental regulations and legislation specific to 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 applicable.

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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.

### **Full text of the H statements**

H315: Causes skin irritation.  
H317: May cause allergic skin reaction.  
H319: Causes serious eye irritation.  
H411: Toxic to aquatic life with long lasting effects.

### **Full text of other abbreviations**

Aquatic Chronic: (Long-term) Aquatic Hazard  
Eye Irrit.: Eye irritation  
Skin Irrit.: Skin corrosion/irritation  
Skin Sens.: Skin Sensitisation

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR Agreement); AIIC - Australian Industrial Chemicals Inventory; ASTM - American Society for Testing of Materials; bw - body weight; CLP - Classification, Labelling and Packaging Regulation; Regulation (EC) no. 1272/2008; CMR - carcinogenic, mutagenic or toxic to reproduction; DIN - German standard or German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC number - EINECS number; ECx - Concentration associated with x% response; ELx - Loading capacity associated with x% response; EmS - Emergency Programme; ENCS - Existing and New Chemicals (Japan); ErCx - Concentration associated with x% growth response; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - IMO International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk; IC50 - intermediate inhibitory concentration; ICAO - International Civil Aviation Organisation; IECSC - Inventory List of Existing Chemicals in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korean Inventory of Existing Chemicals; LC50 - Lethal concentration for 50% of a tested population; LD50 - Lethal dose for 50% of a tested population (median lethal dose); MARPOL - International Convention for the Prevention of Pollution from Ships. o.s. - Not Otherwise Specified; NO(A)EC - No detectable (negative) effect on concentration; NO(A)EL - No detectable (negative) effect on level; NOELR - No detectable effect on carrying capacity; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation for Economic Cooperation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic; PICCS - Philippine Inventory of Chemicals and Substances; (Q)SAR - (Quantitative) Structure-Activity Relationship; REACH - Regulation (EC) no. 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH); RID - Regulation concerning the International Carriage of Dangerous Goods by Rail (RID); SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Inventory List; TRGS - Technical Regulation on Hazardous Substances; TSCA - Toxic Substances Control Act (USA); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative.

### **Further information**

#### **Training advice:**

Provide good information, instruction and training for users.

#### **References:**

Search for chemicals; available at the European Chemicals Agency (ECHA) website: <http://echa.europa.eu/>.

#### **Basis of classification:**

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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.

**Classification of the preparation:**

|                   |      |
|-------------------|------|
| Skin Irrit. 2     | H315 |
| Eye Irrit. 2      | H319 |
| Skin Sens. 1      | H317 |
| Aquatic Chronic 2 | H411 |

**Classification procedure:**

|                    |
|--------------------|
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |

The information in this safety data sheet is correct to the best of our knowledge at the date of issue indicated. This information is intended only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a guarantee or indication of quality.