

According to directive 1907/2006/EC, 2020/878
Version 1.1 Revision Date 19-06-2024
Trade name: Milliput part B. Colour variations: Superfine White, Silver-Grey, Turquoise.

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

1.1 Product identification:

Product name: Milliput part B
Colour variations: Superfine White, Silver-Grey, Turquoise.
UFI-code silver grey: XPNG-84KJ-38H2-U2X5
UFI-code superfine white: TSNG-S48X D8HJ-GEH7
UFI-code Turquoise : XPNG-84KJ-38H2-U2X5

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

Usage: Component B 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 / www.artsuppliesonweb.com
Email: ao@assyst.org / 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.
Specific target organ toxicity (repeated exposure), Category 3 - H335: May cause respiratory irritation.
Aquatic Chronic, Category 3 - H412: Harmful 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

Indications of danger:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.



Warning.

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H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H412 Harmful 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:

P302+352 IF ON SKIN: Wash with soap and water.
P332+313 IF skin irritation occurs: Get medical advice/attention.
P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
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. EC-No. Index no. Registration number	Layout (Regulation (EC) No 1272/008)	Concentration (%)
Fatty acids, tall-oil, reaction products with tetraethylenepentamine	68953-36-6 273-201-6 - -	Skin Irrit 2, H315; Eye Irrit 2, H319; Skin Sens 1, H317; STOT SE 3, H335	15-30
Tetraethylenepentamine	112-57-2 203-986-2 - -	Acute Tox 4, H302; Acute Tox 4, H312; Skin Corr 1B, H314; Eye Dam 1, H318; Skin Sens 1, H317; Aquatic Chronic 2, H411	0.1-2
2,6-Di-tert-butyl-p-cresol (BHT)	128-37-0 204-881-4 - -	Aquatic Acute 1, H400; Aquatic Chronic 1, H410 (M = 1)	< 0.5

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.

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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.
Take off contaminated clothing and wash it before reuse.

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.
May cause respiratory irritation.
May cause an allergic skin reaction.

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.

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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.
 Avoid breathing vapours.
 Use in a well-ventilated area.
 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 B 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/m3. BHT: WEL: 8 h TWA, 10 mg/m3
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 (Superfine White, Silver-Grey, Turquoise)
Odour:	Characteristic
Melting/freezing point:	Not available
Boiling point or initial boiling point and boiling range:	Not available
Flammability:	Not available
Lower and upper explosion limit:	Not available
Flash point:	Not available
Auto-ignition temperature:	Not available

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Decomposition temperature:	Not available
pH:	Not available
Kinematic viscosity:	Not available
Solubility:	In water: Not available
Partition coefficient n-octanol/water (log value):	Not available
Vapour pressure:	Not available
Density or relative density:	Not available
Relative vapour density:	Not available
Particle characteristics:	Not available

9.2 Other information

Not considered explosive or oxidising.

SECTION 10: Stability and reactivity

10.1 Reactivity:

Product is alkaline and will react with acids and produce heat.

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, dermal or inhalation routes of exposure.

Skin corrosion/irritation:

Based on available data on the ingredients, the classification criteria are met for Category 2 (causes skin irritation).

Serious eye damage/irritation:

Based on available data on the ingredients, the classification criteria are met for Category 2 (causes 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).

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.

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STOT-single exposure:

Based on available data on the ingredients, the classification criteria are met for Category 3 (may cause respiratory irritation).

STOT-repeated exposure:

Based on available data, the classification criteria are not met.
No relevant ingredient has been classified for this effect.

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 on the ingredients, the classification criteria are met for Aquatic Chronic Category 3 (harmful to aquatic life with long lasting effects).

BHT: very toxic to aquatic organisms with long-lasting effects.

12.2 Persistence and Degradability:

Not available.

12.3 Bioaccumulation:

Not available.

12.4 Mobility in Soil:

Not 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

Not classified as dangerous goods for transport.

14.2 Proper load name according to UN Model Regulations

Not classified as dangerous goods for transport.

14.3 Transport hazard class(es)

Not classified as dangerous goods for transport.

14.4 Packing group

Not classified as dangerous goods for transport.

14.5 Environmental hazards

Not classified as dangerous goods for transport.

14.6 Special precautions for the user

Not classified as dangerous goods for transport.

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.

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. No significant changes from the previous version 1.0 of 8 August 23, but ingredient and product classifications checked.

Full text of the H statements

H302:	Harmful if swallowed
H312:	Harmful in contact with skin
H314:	Causes severe skin burns and eye damage
H315:	Causes skin irritation
H317:	May cause an allergic skin reaction
H318:	Causes serious eye damage
H319:	Causes serious eye irritation
H335:	May cause respiratory irritation
H400:	Very toxic to aquatic life
H410:	Very toxic to aquatic life with long lasting effects
H411:	Toxic to aquatic life with long lasting effects
H412:	Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.:	Acute toxicity
Aquatic Chronic:	(Long-term) Aquatic Hazard
Eye Dam.:	Serious eye damage / eye irritation
Eye Irrit.:	Eye irritation
Skin Corr. :	Skin corrosion / irritation
Skin Irrit.:	Skin corrosion/irritation

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Skin Sens.: Skin Sensitisation
STOT SE: Specific target organ toxicity (single exposure)

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); AIIIC - 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:

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
STOT SE 2	H335
Aquatic Chronic 3	H412

Classification procedure:

Calculation method
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.