Issue date: 20/11/2024

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Bicaseal Putty (Base)
UFI: MWY4-326S-431F-RDM5

1.2. Relevant identified uses of the substances or mixture and uses advised against

Sealing compound for power cable accessories. To be used with activator pack.

1.3. Details of the supplier of the safety data sheet

Company information

Prysmian Cables and Systems Ltd
Oak Road, Wrexham Industrial Estate,
Wrexham LL13 9PH

Prysmian Cavi e Sistemi Italia S.r.l.
Via Chiese 6
20126 – Milano
Italy

Telephone +44 (0) 1978 66 2375

Email sa.clpsd01gb@prysmiangroup.com

1.4. Emergency telephone number

Emergency telephone number +44 (0)1978 66 2216

Poison Centre Information

Country	Organisation	Address	Contact No.
United Kingdom	National Poisons Information Service (Birmingham)	National Poisons Information Service, City Hospital, Dudley Road, B18 7QH, England	0344 892 0111*
Republic of Ireland	Poisons Information Centre of Ireland	National Poisons Information Centre, Beaumont Hospital, Beaumont Road, Dublin 9, Ireland	01 809 2166 01 837 9964*
France	French National Products and Composition Database (B.N.P.C.); French Poison and Toxicovigilance Centre Network	Centre Antipoison de Nancy, CHRU de Nancy, Hôpital Central, 29 av. de Lattre de Tassigny, 54000 NANCY, France	+33 3 83 85 21 92
Germany	BfR Bundesinstitut für Risikobewertung	Max-Dohrn-Str. 8-10, 10589 Berlin	+49 30 18412 0
Italy	Istituto Superiore di Sanità (ISS)	Viale Regina Elena 299, Rome, Italy	
Spain	Instituto Nacional de Toxicología y Ciencias Forenses (INTCF)	Calle José Echegaray 4, 28032 Las Rozas de Madrid, Madrid, Spain	+34 917689800

* For use by healthcare professionals only.

Section 2 Hazards identification

This product is a mixture.

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 (EU "CLP" Regulation):

Skin Irritation	Hazard Category 2	H315
Skin Sensitisation	Hazard Category 1A	H317
Causes serious eye irritation	Hazard Category 2	H319
STOT - Repeated Exposure	Hazard Category 1	H372
-	-	EUH205

For full text of hazard statements see Section 16.

2.2. Label elements

Labelling according to Regulation (EC) 1272/2008 (EU "CLP" Regulation):

Signal Word: Danger

GHS Pictogram

Hazard Statement:
Causes skin irritation (H315)
May cause an allergic skin reaction (H317)
Causes serious eye irritation (H319)
Causes damage to organs through prolonged or repeated exposure (H372)
Contains epoxy constituents. May produce an allergic reaction (EUH205)

Precautionary Statement (Prevention):
Wash hands thoroughly after handling (P264)
Do no eat, drink or smoke when using this product (P270)
Contaminated work clothing should not be allowed out of the workplace (P272)
Wear protective gloves/protective clothing/eye protection/face protection (P280)

Precautionary Statement (Response):
IF ON SKIN: Wash with plenty of soap and water (P302 + P352)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305 + P351 + P338)
Get medical advice/attention if you feel unwell (P314)
If skin irritation or rash occur occurs: Get medical advice/attention (P333 + P313)
If eye irritation persists: Get medical advice/attention (P337 + P313)
Take off contaminated clothing and wash before reuse (P362)

Precautionary Statement (Disposal):
Dispose of contents/container to hazardous or special waste collection point in accordance with local regulations. (P501)

Haz Ingredients: BIS-[4-(2,3EPOXYPROPOXY)PHENYL)PROPANE, FORMALDEHYDE, OLIGOMERIC REACTION PRODUCTS WITH 1-CHLORO-2,3-EPOXYPROPANE AND PHENOL.

2.3. Other hazards

This mixture does not contain any REACH registered substances that are assessed to be a PBT or a vPvB. The mixture does not contain substances identified as having endocrine disrupting properties.

Section 3 Composition / information on ingredients

This product is a mixture.

Chemical Name	CAS Number	EC Number	REACH Registration Number	Hazard Class/ Category /Statement	Concentration (w/w%)
Silica Quartz	14808-60-7	238-878-4	01-2120770509-45-XXXX	STOT RE 1; H372	25 - 50
Bis-[4-(2,3-epoxypropoxy) phenyl] propane	1675-54-3	216-823-5	01-2119456619-26-XXXX	Skin Irrit. 2; H315 Skin Sens 1; H317 Eye Irrit 2; H319 Aquatic Chronic 2; H411	10 - 22
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	9003-36-5	500-006-8		Skin Irrit. 2; H315 Skin Sens 1; H317 Aquatic Chronic 2; H411	0.3 - 2.5

Section 4 First aid measures

4.1. Description of first aid measures

General information: Contact a doctor or casualty department, take the label or this safety data sheet. Never give an unconscious person water.
Skin Contact: Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners. If skin irritation occurs: Get medical advice/attention.
Eye Contact: Flush eyes with running water for 15 minutes. Remove contact lenses if safe to do so. Make sure to flush under upper and lower eyelids. If irritation persists, contact a doctor.
Inhalation: Remove casualty from exposure if safe to do so. Consult a doctor.
Ingestion: If the person is conscious, wash out mouth with water immediately. Do not induce vomiting. Seek medical help.

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

Skin Contact: Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact. Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.
The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage after exposure.

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

No data available.

Section 5 Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Water jets.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke containing harmful combustion products. Upon exposure to high temperatures or under combustion, the following harmful products may be produced: Carbon dioxide, carbon monoxide, various metal oxides.
Closed containers, which are exposed to fire, should be cooled with water.
Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

5.3. Advice for firefighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non emergency personnel

Refer to Section 8 for personal protection details. Mark out contaminated area and prevent access to unauthorised personnel. Avoid direct contact with substance. Ensure adequate ventilation.

6.1.2. For emergency responders

Wear self-contained breathing apparatus and protective clothing to prevent contact. Avoid contact with skin and eyes. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

6.2. Environmental precautions

Prevent product from entering drains/surface water/ground water. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. Methods and material for containment and cleaning up

Limit spillage, sweep up and shovel into appropriate containers for disposal. Transfer to a closable labelled container for hazardous waste disposal.

6.4. Reference to other sections

See Section 13 for disposal information.

Section 7 Handling and storage

7.1. Precautions for safe handling

Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid contact during pregnancy and while nursing. Smoking, drinking and consumption of food is not allowed in the work area.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, well-ventilated area away from sunlight. Keep container tightly closed. Must only be kept in original packaging.

7.3. Specific end use(s)

See Section 1.2

Section 8 Exposure controls / personal protection

8.1. Control parameters

Silica Quartz (Respirable crystalline):

	8 Hour TWA	15 Min STEL
Respirable	0.1 mg/m^3	-

Limestone (calcium carbonate):

	8 Hour TWA	15 Min STEL
Respirable	4 mg/m^3	-
Total inhalable	10 mg/m^3	-

DNEL

Component	Duration	Route of exposure	DNEL
Bis-[4-(2,3-epoxypropoxy) phenyl] propane	Long term - Systematic effects - General population	Dermal	89.3 µg/kg bw/day
		Inhalation	870 µg/m^3
		Oral	500 µg/kg bw/day
	Long term - Systematic effects - Workers	Dermal	750 µg/kg bw/day
		Inhalation	4.93 mg/m^3

PNEC

Component	Route of exposure	Result
Bis-[4-(2,3-epoxypropoxy) phenyl] propane	Freshwater	6 µg/L
	Freshwater sediment	341 µg/kg
	Intermittent release (freshwater)	18 µg/L
	Intermittent release (marine water)	1.8 µg/L
	Marine water	600 µg/L
	Marine water sediment	34.1 µg/kg
	Predators	11 mg/kg
	Sewage treatment plant	10 mg/L
	Soil	64.7 µg/kg

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Ensure there is adequate ventilation of the area. Smoking, drinking and consumption of food is not allowed in the work area.

8.2.2. Individual protection measures

Eye protection:	Wear safety glasses (EN166). Ensure eye bath is available.
Skin protection:	Protective clothing coveralls in polypropylene or working clothes in cotton or polyester. Wear protective nitrile gloves.
Respiratory protection:	Self-contained breathing apparatus must be available in case of emergency. Use mask with gas/vapour/aerosol/particulate filter.

8.2.3. Environmental exposure controls

Prevent product from entering drains/surface water/ground water.

Section 9 Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Paste
Colour:	Dark Red
Odour:	Barely Perceptible
Odour threshold:	No data available
Melting point:	No data available
Freezing point:	Not applicable
Boiling point:	Not applicable
Flammability:	No data available
Lower explosion limit:	No data available
Upper explosion limit:	No data available
Flash point:	Not applicable
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH:	Not applicable
Viscosity, kinematic:	No data available
Solubility:	Insoluble in water
Partition coefficient n-octanol/water: (Log K_{ow}):	No data available
Vapour pressure:	Not applicable
Vapour pressure at 50°C	Not applicable
Density:	2.01 – 2.07 g/cm^3
Relative density:	No data available
Relative vapour density at 20°C	No data available
Particle characteristics	Does not contain nanomaterials

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available.

9.2.2. Other safety characteristics

No additional information available.

Section 10 Stability and reactivity

10.1. Reactivity

Stable under normal transport and storage conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reaction will not occur under recommended transport or storage conditions. Decomposition may occur after exposure to strong oxidising agents, strong acids or heat.

10.4. Conditions to avoid

Heat.

10.5. Incompatible materials

Strong oxidising agents, strong acids, strong bases.

10.6. Hazardous decomposition products

Emits toxic fumes upon combustion or high temperatures. H azardous decomposition products should not be produced under normal use.

Section 11 Toxicological information

11.1. Information on toxicological effects

Acute Toxicity:	Based on available data the classification criteria are not met.
Skin corrosion/irritation:	Causes skin irritation.
Serious eye damage/irritation:	Causes serious eye irritation.
Sensitisation data:	May cause allergic skin reaction.
Germ cell mutagenicity	Based on available data the classification criteria are not met.
Carcinogenicity	Based on available data the classification criteria are not met.
Reproductive toxicity	Based on available data the classification criteria are not met.
STOT-single exposure	Based on available data the classification criteria are not met.
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	Based on available data the classification criteria are not met.

11.2. Information on other hazards

The mixture does not contain substances identified as having endocrine disrupting properties.
Long term effects: Irritation effects - This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.
Quartz (SiO2) has been classified by IARC as a group 1 carcinogen.
Bis-[4-(2,3-epoxypropoxy)phenyl]propane has been classified by IARC as a group 3 carcinogen.

Section 12 Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

Based on available data the classification criteria are not met.

12.3. Bioaccumulative potential

Based on available data the classification criteria are not met.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture does not contain any REACH registered substances that are assessed to be a PBT or a vPvB.

12.6. Endocrine disrupting properties

The mixture does not contain substances identified as having endocrine disrupting properties.

12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms. This product contains substances, which may cause adverse long-term effects to the aquatic environment.

Section 13 Disposal considerations

13.1. Waste treatment methods

Product:	Small quantities of the product can be mixed and allowed to cure, then can be disposed of as solid waste. Otherwise, transfer to a suitable container for disposal at a licensed waste disposal site. Product is covered by the regulations on hazardous waste. HP 5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity HP 13 – Sensitising Dispose of contents/container to an approved waste disposal plant.
Packaging:	Contaminated packaging is to be treated as hazardous waste. Disposal by licensed operator (in accordance with local regulations) or other method for hazardous or toxic wastes.
Local legislation Waste catalogue: Waste code:	EU Waste Disposal Code (EWC) Product: 08 04 09* Packaging: 15-01-10*

Section 14 Transport information

14.1. UN number or ID number

Not regulated under transport regulation.

14.2. UN proper shipping name

Not regulated under transport regulation.

14.3. Transport hazard class

Not regulated under transport regulation.

14.4. Packing group

Not regulated under transport regulation.

14.5. Environmental hazards

Not regulated under transport regulation.

14.6. Special precautions for user

None identified.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

Section 15 Regulatory information

This Safety Data Sheet has been prepared in accordance with the requirements of regulation (EC) No 1907/2006 as amended.

Labelling elements as classified under Regulation (EC) 1272/2008.

The Workplace exposure Limit given in Section 8 has been taken from the UK HSE document: EH40/2005 Workplace Exposure Limits as amended.

Additional relevant regulations:

Regulation (EC) 790/2009 First Adaptation to Technical Progress (ATP) for CLP regulation

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

None applicable.

15.2. Chemical safety assessment

A chemical safety assessment has not been undertaken for this mixture.

Section 16 Other information

Full text of H-Statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H372	Causes damage to organs through prolonged or repeated exposure.
EUH205	Contains epoxy constituents. May produce an allergic reaction.

This SDS (version 6.0) is the 6th version of this SDS for this product.

This information is believed to be accurate and represents the best information available to the company at this time. This information is provided as a guide to the hazards and respective safety precautions relevant to this product. This SDS does not represent any guarantee of performance or specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.