



MATERIAL SAFETY DATA SHEET



BICASEAL PUTTY

ISSUE DATE: 31ST July 2008

1 Identification of the substance

1.1 Commercial Name:	Bicaseal Putty
1.2 Type of product:	Sealing compound for power cable accessories
1.3 Supplier:	Prysmian Cables and Systems, Components Unit
1.4 Address:	Oak Road, Wrexham Industrial Estate, Wrexham, LL13 9PH
1.5 Telephone:	01978 66 2375
1.6 Fax:	01978 66 2410
1.7 Emergency Number:	01978 66 2216
1.8 E-mail:	dave.lamb@prysmian.com

2- Hazards identification

Base:

Irritating to skin and eyes. May cause sensitisation by skin contact.
Signs and symptoms of exposure: Soreness, reddening of the skin, rash.

Activator:

Harmful by inhalation and if swallowed. May cause sensitisation by skin contact.

Acute Effects: In contact with eyes causes severe irritation and pain

Possible Long Term Effects: Can cause sensitisation. Prolonged contact may cause reddening of tissue and pain.

3- Information on ingredients**Base:**

Bisphenol F Epoxy Resin. CAS Number 55492-52-9. 12-24%

Bisphenol A Epoxy Resin CAS Number 25068-38-6 6-12%

Inert fillers remainder.

Activator:

Triethylaminetetramine CAS No 112-24-3 1.36%

Phenol CAS No 108-95-2 2.46%

Diethylaminetriamine CAS No 111-40-0 0.6%

4- First aid procedures

Inhalation: Remove to fresh air and rest. If necessary seek medical attention. Prevent aspiration of vomit. Turn head to one side.

Skin Contact: Remove contaminated clothing and wash with soap and water. If necessary, seek medical attention.

Ingestion: If swallowed seek medical attention immediately. Rinse mouth with plenty of water, do not induce vomiting

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, seek medical advice.

5- Fire fighting measures

Extinguishing media: Water spray, dry powders, carbon dioxide and alcohol foam.

Decomposition products: Carbon monoxide, carbon dioxide and mixed oxides of nitrogen may be evolved in the event of a fire .

Protective equipment: Wear self -contained breathing apparatus

6- Accidental release measures

Avoid skin and eye contact. Prevent from entering sewer system, surface water or soil. Scrape up and transfer to suitable container for disposal.

7- Handling and storage

Handling: Avoid contact with eyes. Avoid breathing vapours. Use in a well ventilated area. Wash hands after contact

Storage: Store in a cool, dry location. Avoid prolonged exposure to sunlight, heat and sources of ignition. Keep away from acids and oxidising agents.

8- Exposure controls

Exposure controls:

Phenol - 5ppm TWA

Diethylenetriamine – 1ppm TWA

Respiratory: Not required under normal conditions

Ingestion: Low possibility during normal use. Wash hands after use

Skin Protection: Protective gloves should be worn

Eye Protection: Safety goggles

9- Physical and chemical properties

Base:

Appearance: Red/brown putty

Odour: Weak

Specific Gravity: 1.85 g/cm³

Boiling Point / range: >200°C

Flash Point: >200°C

Flammability: Will burn if involved in a fire

Auto-flammability: Above boiling point

Explosive properties: None

Oxidising properties: None

Solubility: Insoluble in water

Activator:

Appearance: Off white putty

Odour: Ammoniacal

Specific Gravity: 1.85 g/cm³

Boiling Point / range: >100°C

Flash Point: >100°C

Flammability: Will burn if involved in a fire

Auto-flammability: Above boiling point

Explosive properties: None

Oxidising properties: None

Solubility: Insoluble in water

10- Stability and reactivity

Stability: Stable

Materials to avoid: May react with considerable heat build-up with amines and mercaptans. Acids.

Oxidising agents. Acids. A reaction accompanied by large heat release occurs when the product is mixed with acids. Vigorous boiling would occur creating splattering of hot material.

Hazardous Decomposition: Ammonia and hydrogen cyanide when heated. Carbon monoxide and nitrogen oxides in a fire. No hazardous polymerisation.

11- Toxicological information

Base:

Eyes: Severe eye irritant

Skin: Irritant. Can cause sensitisation

Inhalation: Irritant to mucous membranes

Oral: LD50 not determined

Activator:

Eyes: Severe eye irritant

Skin: Severe irritant. Can cause sensitisation

Inhalation: No data

Oral: LD50 (rat) 1320 mg/kg

12- Ecological information

Base:

Water hazard class1. Slightly hazardous for water. Prevent from entering sewer system or soils.

Activator:

Do not allow to enter a water course. Waste from this product may present long term environmental hazards. Landfill must be considered less acceptable than incineration.

13- Disposal considerations

In uncured state, disposal as chemical waste in accordance with local regulations. In cured state when mixed correctly with base component, disposal as solid general waste.

14 Transport information

This material is not classified as hazardous for transport.

15- Regulatory information

Base:

CHIP: R36/R38: Irritating to eyes and skin

CHIP: R43: May cause sensitisation by skin contact

CHIP: S24/25: Avoid contact with skin and eyes

CHIP: S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

CHIP: S28: After contact with skin, wash immediately with plenty of water.

CHIP: S36/S37/S39: Wear suitable protective clothing, gloves and eye/face Protection

Activator:

CHIP: R21/R22: Harmful in contact with skin and if swallowed.

CHIP: R36/R38: Irritating to eyes and skin

CHIP: S28: After contact with skin, wash immediately with plenty of water.

CHIP: S36/S37/S39: Wear suitable protective clothing, gloves and eye/face Protection

16- Other information

This Material Safety Data Sheet is compiled in accordance with REACH regulations EC 1907/2006