



## **MATERIAL SAFETY DATA SHEET**

### **BITHANE LOW DENSITY RESIN POLYOL**

**ISSUE DATE:** 31<sup>ST</sup> July 2008

#### **1 – IDENTIFICATION OF THE SUBSTANCE**

- 1.1 Commercial name: BITHANE Low Density Resin
- 1.2 Type of product: Polyol for polyurethane resin
- 1.3 Supplier: Prysmian Cables and Systems Ltd,  
Components Unit
- 1.4 Address: Wrexham Industrial Estate  
Oak Road, Wrexham LL13 9PH  
United Kingdom
- 1.5 Telephone: +44 (0)1978 66 2375
- 1.6 Fax: +44 (0)1978 66 2410
- 1.7 Emergency number: +44 (0)1978 66 2216
- 1.8 E-mail: [dave.lamb@prysmian.com](mailto:dave.lamb@prysmian.com)

#### **2 – HAZARDS IDENTIFICATION**

- 2.1 Main effects on humans: None known
- 2.2 Physical and chemical hazards: Not classified as inflammable but is  
combustible

2.3 Effects on the environment: Non-biodegradable. No component of this preparation is classified as hazardous to the environment.

### **3 – COMPOSITION / INFORMATION ON INGREDIENTS**

3.1 Chemical name: Comprises castor oil (approx 40% by weight) with mineral fillers (approx 55% by weight) plus minor additives.

3.2 Description: Grey / brown viscous fluid

3.3 Synonyms: None

3.4 CAS no.: Not applicable

3.5 ENEICS no.: Exempt (polymeric)

### **4 – FIRST AID MEASURES**

4.1 Symptoms and effects: No hazardous effects during normal usage.

4.2 Inhalation: No measures necessary.

4.3 Skin contact: Wash immediately with soap and water.

4.4 Eye contact: Hold the eyes open and rinse with water for 10-15 minutes. If irritation occurs consult an ophthalmologist.

4.5 Ingestion: Do not induce vomiting. Seek medical advice, showing the doctor this sheet.

## **5 – FIRE FIGHTING MEASURES**

- |                                   |   |
|-----------------------------------|---|
| 5.1 Specific hazards:             | Not classified as inflammable but is combustible.                     |
| 5.2 Extinguishing media:          | Dry powder, carbon dioxide, foam and large quantities of water spray. |
| 5.3 Extinguishing media to avoid: | Water jet or water in small amounts.                                  |
| 5.4 Equipment and protection:     | Protective clothing and self-contained breathing apparatus.           |

## **6 – ACCIDENTAL RELEASE MEASURES**

- |   |   |
|---|---|
| 6.1 Individual precautions:               | No specific measures  |
| 6.2 Individual protection:                | Wear protective equipment (as described in section 8) and suitable breathing apparatus.   |
| 6.3 Environmental protection precautions: | Do not let the material enter ground water, surface water, soil, sewers drains or other watercourses.                                 |
| 6.4 Cleaning methods:                     |   |
| localised spillage:                       | Absorb with fluid binding material such as sand, sawdust or any other chemical binder. Transfer to a suitable container for disposal. |
| large spillage:                           | Transfer to a suitable container (labelled appropriately) for disposal. Otherwise, treat as localised spillage.                       |

6.5 Other information: For information regarding disposal, see section 13.

## **7 – HANDLING AND STORAGE**

7.1 Handling: Observe the usual precautionary measures for chemicals.

7.2 Handling temperature: 5°C to 40°C

7.3 Storage: Store in closed containers in cool dry conditions away from direct sunlight.

7.4 Storage temperature: 5°C to 40°C

7.5 Packaging material: Laminated foil pouch.

## **8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

8.1 Technical measures: Observe the usual precautionary measures for chemicals. Avoid contact with skin.

8.2 Hygiene measures: Store work clothes and other clothes separately. Wash hands before breaks and at the end of work. Decontaminate, destroy and dispose of soiled protective clothing.

8.3 Exposure controls: Not established.

8.4 Personal protective equipment:

Respiratory protection:	None required.
Protection of the hands:	Wear impermeable gloves made of PVC.
Protection of the eyes:	Protective goggles or face mask.
Protection of the body:	Standard industrial clothing Chemically resistant boots.

## 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical state:	Liquid
9.2 Colour:	Grey/Brown
9.3 Odour:	None
9.4 pH:	Not applicable
9.5 Initial boiling point:	>300 °C
9.6 Melting point:	-10 °C
9.7 Flash point:	>200 °C
9.8 Self ignition temperature:	449 °C
9.9 Inflammability limit:	Not applicable
9.10 Explosive properties:	Not applicable
9.11 Vapour pressure:	Negligible
9.12 Vapour density:	Not determined
9.13 Density:	1.326 kg/m <sup>3</sup> @ 20°C
9.14 Viscosity:	Approximately 17 Pa.s @ 20°C
9.15 Solubility in water:	Not miscible
9.16 Solubility (other solvents):	Aromatic hydrocarbons, acetone

9.17 Partition coefficient: Not determined

## **10 – STABILITY AND REACTIVITY**

10.1 Stability: Stable material under normal ambient conditions. Exothermic reaction with isocyanates. Hygroscopic.

10.2 Materials to avoid: None known.

## **11 – TOXICOLOGICAL INFORMATION**

11.1 Acute toxicity: No toxicological studies have been carried out. An expected acute oral toxicity as LD<sub>50</sub> in rat will be >5000 mg/kg.

11.2 Irritating effects: Weak irritation on the eyes is possible (alleviated by washing with water). No irritation of the skin or respiratory tract is expected.

## **12 – ECOLOGICAL INFORMATION**

12.1 Persistence/Degradability: Not biodegradable.

12.2 Other information: Do not allow the material to enter sewers, drains or other water courses.

## **13 – DISPOSAL CONSIDERATIONS**

13.1 General: The relevant EU directives and local, regional and national

regulations must be complied with.

- 13.2 Disposal of waste: Do not allow waste to enter sewers drains or other watercourses. Waste may be disposed of by controlled incineration by a reputable company according to local regulations.
- 13.3 Disposal of the product: Controlled incineration by a reputable company according to local regulations.
- 13.4 Disposal of packaging: The foil laminate "twin-pack" packaging requires no special treatment after use. The contents when mixed and cured are inert. The packaging waste may be disposed of by approved landfill or controlled incineration according to local regulations.

## **14 – INFORMATION ON TRANSPORT**

Not dangerous cargo. Not classified as hazardous for transport according to UN, IMO, ICAO/IATA regulations.

## **15 – REGULATORY INFORMATION**

- 15.1 EEC designation: Not classified as hazardous under EEC classification.
- 15.2 Classification: None
- 15.3 Labelling: Non required
- Symbol: Not applicable

Safety phrases:

S26: In the event of contact with the eyes, wash immediately and thoroughly with water. Consult a specialist.

S28: After contact with the skin, wash immediately and thoroughly with soap and water.

EEC No:

Not applicable

EINECS:

Exempt (polymeric)

## **16 – OTHER INFORMATION**

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