SAFETY DATA SHEET

THREE PART LOW DENSITY PU POLYOL

ISSUE DATE: **SEPTEMBER 30th 2019**

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

1.1 Product identifier

Bithane low density resin polyol

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

Polyol component for three part polyurethane low density resin

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
Telephone:	+44 (0) 1978 66 2375
e-mail:	dave.lamb@prysmian.com

1.4 Emergency telephone number: +44 (0)1978 66 2216

Section 2 : Hazards identification

This product is a mixture

2.1 Classification of the substance or mixture

Non-hazardous

2.2 Label elements

None required

2.3 Other hazards

None

Section 3 : Composition / information on ingredients

This product is a mixture

Chemical Name	CAS Number	EINECS / ELINCS	Hazard Class/Category/Statement	Concentration (%)
Castor oil	8001-79-4	232-293-8	Not classified as hazardous	60-65
Linseed oil	8001-26-1	232-278-6	Not classified as hazardous	1-5
Calcium carbonate	1317-65-3	215-27-96	Not classified as hazardous	15-20
Cenospheres	93924-19-7	300-212-6	Not classified as hazardous	5-10

Section 4 : First aid measures

4.1 Description of first aid measures

General information: Remove contaminated clothing and wash before re-use.
Inhalation: No measures necessary
Ingestion: Rinse the mouth with water and consult a doctor showing this fata sheet. Do not induce vomiting.
Eye Contact : Flush eyes with plenty of water for 15 minutes keeping eyelids open.

4.2 Most important symptoms and effects, both acute and delayed

No specific effects and/or symptoms have been reported or are known

4.3 Indication of any immediate medical attention and special treatment needed

Data not available

Section 5 : Firefighting measures

5.1 Extinguishing media

Dry powder, carbon dioxide, aqueous foam or water spray.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products: Carbon monoxide, Carbon dioxide.

5.3 Advice for firefighters

Wear self-contained breathing apparatus

5.4 Further information

Data not available

Section 6 : Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment as described in Section 8

6.2 Environmental precautions

Prevent leakage or spillage. Prevent product from entering drains / surface water / ground water.

6.3 Methods and material for containment and cleaning up

Absorb with binding material such as sand, sawdust or diatomaceous earth. Transfer to a container suitable for disposal.

6.4 Reference to other sections

See Section 13 for disposal information.

Section 7 : Handling and storage

7.1 Precautions for safe handling

Observe the usual precautionary measures for chemicals

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool dry location away from direct sunlight. Storage temperature 5^{o}C to 40^{o}C

7.3 Specific end use(s)

See Section 1.2

Section 8 : Exposure controls / personal protection

8.1 Control parameters

None established.

8.2 Exposure controls

Appropriate engineering controls:

Observe normal safety and hygiene standards. Wash hands after use.

Eye / face protection: Avoid contact with eyes. Use eye protection designed to protect against liquid splashes. Before handling, wear safety goggles in accordance with standard EN166.

Hand Protection: Wear suitable protective gloves to protect against liquid splashes. Nitrile rubber and PVC gloves are suitable.

Body Protection: Standard industrial work wear.

Section 9 : Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Grey / brown liquid
Odour:	Characteristic castor oil odour
Odour threshold:	no data available
pH:	not applicable
Melting point:	not applicable (liquid).
Boiling point:	>300 ^{o}C
Flash point:	>200^{o}C (Closed Cup)
Evaporation rate:	no data available
Flammability	no data available
Upper/lower flammability or explosive limits	no data available
Vapour pressure	no data available
Vapour density	not determined
Relative density	0.97 g/cm^{3} @ 20^{o}C
Solubility in water:	Insoluble
Solubility in other ingredients:	Miscible with aromatic hydrocarbons, acetone
Partition coefficient Octanol/water:	not determined
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity (dynamic):	approx 0.1 Pas @ 20^{o}C
Explosion properties:	no data available
Oxidising properties:	not oxidising.

9.2 Other information

No additional data available

Section 10 :Stability and reactivity

10.1 Reactivity

Not reactive to commonly used materials

10.2 Chemical stability

Stable under normal ambient conditions

10.3 Possibility of hazardous reactions

Exothermic reaction with isocyanates.

10.4 Conditions to avoid

None known

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

Carbon monoxide, carbon dioxide**.**

Section 11 : Toxicological information

11.1 Information on toxicological effects

Acute toxicity	Data not available
Skin Corrosion / Irritation	Data not available
Eye Corrosion / Irritation	Data not available
Sensitisation Data	Data not available
Repeated dose toxicity	Data not available
Carcinogenicity	Data not available
Mutagenicity	Data not available
Toxicity for reproduction	Data not available

Section 12 : Ecological information

12.1 Toxicity

Data not available

12.2 Persistence and biodegradability

Not biodegradable

12.3 Bioaccumulative potential

Data not available

12.4 Mobility in soil

Data not available

12.5 Results of PBT and vPvB assessment

Data not available

12.6 Other adverse effects

Data not available

Section 13 : Disposal considerations

13.1 Waste treatment methods

Product: Do not allow to enter sewers, drains or water courses. Waste may be disposed of by controlled incineration by a licensed operator.

Packaging: Give to a certified disposal contractor. When mixed with the isocyanate component , the fully cured resin is chemically inert. Packaging may be disposed of by approved landfill or controlled incineration by a licensed operator.

Section 14 : Transport information

14.1 UN Number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

This mixture is not classified as hazardous for transport purposes.

Section 15 : Regulatory information

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

Relevant regulations:

Regulation (EC) 1272/2008 (EU 'CLP' regulation)

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

15.1 Safety, health and environmental regulations 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

This SDS is the first 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