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PRYSMIAN CABLES & SYSTEMS

JEM

MATERIAL SAFETY DATA SHEET

JEM RESIN POWDER PACK

ISSUE NUMBER: 1
ISSUE DATE: 18th February 2013

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

1.1 Product identifier

JEM resin - powder pack

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

Component of encapsulating medium for power cable joints

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

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):
Not classified as hazardous.

2.2 Label elements

Labelling according to Regulation (EC) 1272/2008 (EU "CLP" Regulation):
Labelling not required.

2.3 Other hazards

No information available

3. Composition / information on ingredients

This product is a mixture

Chemical Name	CAS Number	EINECS / ELINCS	Classification	Concentration
Silica Sand	14808-60-7			70.2%
Calcium Carbonate	1317-65-3	2152796		26.3%
Calcium Sulphate	7778-18-9	2319003		2.8%
Dibenzoyl peroxide	94-36-0	2023276	Org Perox,C ; H241 Eye Irrit 2; H319 Skin Sens 1; H317	0.7%

4. First aid measures

4.1 Description of first aid measures

General information: Remove contaminated clothing. Wash before re-use.
Inhalation: Remove to fresh air, provide warmth and rest. If necessary, seek medical attention.
Skin Contact: No special measures necessary
Ingestion: Do not induce vomiting. Drink plenty of water and if necessary seek medical attention.
Eye Contact : Flush with large amounts of water. If necessary, seek medical attention.

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

No data available

5. Firefighting measures

5.1 Extinguishing media

Not combustible

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for firefighters

None

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

This material is not classified as hazardous to health. Spillage could be regarded as nuisance dust.

6.2 Environmental precautions

No specific requirements

6.3 Methods and material for containment and cleaning up

Take up mechanically (e.g. sweep or vacuum) into closed containers prior to disposal.

6.4 Reference to other sections

See Section 13 for disposal information.

7. Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good practice for industrial safety and hygiene.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool dry location. Avoid prolonged exposure to sunlight. Maximum recommended storage temperature is 45^{O}C. There is no lower limit on storage temperature.

7.3 Specific end use(s)

See Section 1.2

8. Exposure controls / personal protection

8.1 Control parameters

No occupational exposure limits have been assigned to this material.

8.2 Exposure controls

LTEL (8 hour TWA) 6mg/m3 silica, total inhalable dust (EH40/99)
LTEL (8 hour TWA) 2.4mg/m3 silica, total respirable dust (EH40/99)
LTEL (8 hour TWA) 10mg/m3 calcium carbonate, total inhalable dust (EH40/99)
LTEL (8 hour TWA) 4mg/m3 calcium carbonate, total respirable dust (EH40/99)

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	free flowing white powder
Odour:	no data available
Odour threshold:	no data available
pH:	not applicable
Melting point:	not applicable
Boiling point:	no data available
Flash point:	no data available
Evaporation rate:	no data available
Flammability	no data available
Upper/lower flammability or explosive limits	not applicable
Vapour pressure	not applicable
Vapour density	not applicable
Relative density	not applicable
Solubility in water:	Insoluble
Solubility in other ingredients:	Insoluble
Partition coefficient Octanol/water:	not applicable
Auto-ignition temperature	not applicable
Decomposition temperature	not applicable
Viscosity (dynamic):	not applicable
Explosion properties:	not applicable
Oxidising properties:	not applicable

9.2 Other information

No additional data available

10. Stability and reactivity

10.1 Reactivity

Not reactive to materials commonly used in the transportation, handling and storage of industrial materials.

10.2 Chemical stability

Stable at room temperature and temperatures up to 60^{o}C

10.3 Possibility of hazardous reactions

None

10.4 Conditions to avoid

Avoid prolonged exposure to direct sunlight.

10.5 Incompatible materials

Strong acids

10.6 Hazardous decomposition products

None when used as directed

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity	no data available
Skin Corrosion / Irritation	Rabbit (Skin): 500mg/24 hours MOD (calcium carbonate)
Eye Corrosion / Irritation	Rabbit (eye): 750 microgram/24hours (calcium carbonate)
Sensitisation Data	There are no known reports of sensitisation.
Repeated dose toxicity	no data available
Carcinogenicity	no data available
Mutagenicity	no data available
Toxicity for reproduction	no data available

12. Ecological information

12.1 Toxicity

No data available

12.2 Persistence and biodegradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

13. Disposal considerations

13.1 Waste treatment methods

Product: Landfill with the approval of the responsible local authority.

Packaging: Plastic containers may be disposed of by approved landfill if contaminated by cured material. Uncontaminated packaging (i.e. the external plastic container for two part kits) may be re-granulated for further use.

14. Transport information

14.1 UN Number

Not regulated under transport regulation.

14.2 UN proper shipping name

Not regulated under transport regulation.

14.3 Transport hazard class(es)

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 Transport in bulk according to Annex II of MARPOL 73/78 and IBC code

No data available

15. Regulatory information

This Safety Data Sheet has been prepared in accordance with the requirements of regulation (EC) No 1907/2006 as amended by regulation (EU) No 453/2010.

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

Relevant regulations:

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

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

EU Directive 67/548/EEC ('Dangerous Substances Directive')

Regulation (EC) No 1907/2006 ('REACH'

Regulation (EU) No 453/2010.

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

16. Other information

Risk Phrases / Hazard Statements (Ref: Section 3):

Dibenzoyl peroxide

H241: Heating may cause a fire or explosion
H317: May cause an allergic skin reaction
H319: Causes serious eye irritation

This SDS (version 1.0) 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 MSDS 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