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MATERIAL SAFETY DATA SHEET

G38A SEMI-SOLID COMPOUND

ISSUE NUMBER: 1
ISSUE DATE: 1ST March 2016

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

1.1 **Product identifier**

G38A filling compound.

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

Filling medium for power cable joints and termination boxes.

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):
Skin Sensitiser Category 1 (H317)
For full text of hazard statements: see **Section16**

2.2 **Label elements**

Labelling according to Regulation (EC) 1272/2008 (EU "CLP" Regulation):
Hazard Pictograms: GHS08



Signal Word: **WARNING**

Hazard Statements:

H317 May cause an allergic skin reaction

Precautionary Statements:

P261	Avoid breathing vapours and spray.
P272	Contaminated work clothing should not be allowed out of the work place.
P280	Wear protective gloves.
P302/352	IF ON SKIN: Wash with plenty of water.
P333/313	If skin irritation or rash occurs: Get medical advice / attention.
P501	Dispose of contents / container to a licensed hazardous waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

Supplemental Information:

None required.

2.3 **Other Hazards**

No data available.

3. Composition / information on ingredients

This product is a mixture.

Chemical Name	CAS Number	EINECS / ELINCS	Classification	Concentration
Rosin	8050-09-7	232-475-7	Skin Sens. (Cat 1) H317	<10%

Please see Section 16 for full hazard statements.

4. First aid measures

4.1 Description of first aid measures

General information: Remove contaminated clothing immediately.

Inhalation: Remove to fresh air, provide warmth and rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth to mouth resuscitation. Get medical attention if symptoms occur. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing.

Skin Contact: Flush contaminated skin with plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash contaminated clothing before re-use.

Ingestion: Wash out mouth with water. Move exposed person to fresh air keeping warm and at rest. If material has been swallowed and only if the exposed person is conscious give small quantities of water to drink. Do not induce vomiting. Get medical attention.

Eye Contact: No effects expected. If irritation occurs flush thoroughly with flowing lukewarm water for at least 15 minutes while holding the eyelids open. Obtain medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Acute: May cause an allergic skin reaction.
Delayed: None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Firefighting measures

5.1 Extinguishing media

Carbon dioxide, foam, dry powder or water spray. Do not use direct water jet.

5.2 Special hazards arising from the substance or mixture

No specific hazards.

5.3 Advice for fire fighters

Wear full face self- contained breathing apparatus and appropriate protective equipment.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Forms slippery surfaces with water. Remove any ignition sources, confine the spill and absorb with non-combustible material. Gloves recommended.

For larger spills use half or full face respirator with filters for organic vapour fitted.

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Dyke far ahead of the liquid spill for later recovery and disposal. Collect with non-combustible absorbent material (e.g. sand, silica gel, sawdust) and place in container for disposal in accordance with local / national regulations.

6.4 Reference to other sections

See Section 13 for disposal information.

7. Handling and storage

7.1 Precautions for safe handling

Wear personal protective equipment. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice. Provide good ventilation of working areas. Wash hands and exposed skin immediately after handling.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool dry location. Avoid prolonged exposure to sunlight.

7.3 Specific end use(s)

Filling material for cable joints and termination enclosures.

8. Exposure controls / personal protection

8.1 Control parameters

No occupational exposure limits have been assigned to this material.

8.2 Exposure controls

Ensure adequate ventilation in work areas.

In case of insufficient ventilation wear suitable respiratory equipment (see HSE Guidance booklet HS(G)53).

Gloves are recommended. Wash after handling the material and before eating and/or drinking.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	amber petrolatum semi-solid
Odour:	slight hydrocarbon odour
Odour threshold:	no data available
pH:	not applicable
Melting point:	Approx 100°C
Boiling point:	no data available
Flash point:	220°C
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	no data available
Relative density	approx 0.87 g/cm ³ @ 20°C
Solubility in water:	Insoluble
Solubility in other ingredients:	no data available
Partition coefficient	
Octanol/water:	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity (kinematic):	approx 1200 cST @ 60°C
Explosion properties:	no data available
Oxidising properties:	no data available

9.2 Other information

No additional data available.

10. Stability and reactivity

10.1 Reactivity

Stable under ambient storage conditions.

10.2 Chemical stability

Product is stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known during recommended use.

10.4 Conditions to avoid

No hazardous reactions known.

10.5 Incompatible materials

Strong oxidising materials.

10.6 Hazardous decomposition products

In case of fire, hazardous decomposition products may be produced (carbon monoxide, carbon dioxide).

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Oral toxicity:

Method	Equivalent or similar to OECD Guideline 420
Read across substances	Yes, structurally similar
Species	Rabbit
Routes of exposure	Occlusive
Endpoint	LD50
Effective Dose	>2000 mg/kg
Exposure time	14 days

Oral toxicity:

Method	Equivalent or similar to OECD Guideline 402
Read across substances	Yes, structurally similar
Species	Rabbit
Routes of exposure	Occlusive
Endpoint	LD50
Effective Dose	>2000 mg/kg
Exposure time	24 hours

Serious eye damage / irritation:

No signs of irritation were evident during the test.

Respiratory or skin sensitisation:

May cause an allergic skin reaction.

Germ cell mutagenicity:

Not expected to be a germ cell mutagen.

Carcinogenicity:

Not expected to cause cancer.

Reproductive toxicity:

Not expected to be a reproductive toxicant.

Summary of evaluation of the CMR properties:

Not expected to be a carcinogenic, mutagenic or reproductive toxicant.

STOT - single exposure:

Not expected to cause organ damage from a single exposure.

STOT - repeated exposure:

Not expected to cause organ damage from prolonged or repeated exposure.

Aspiration hazard:

Based on physico-chemical properties of this material this product is not classified.

Other information:

Frequent or prolonged skin contact can lead to dryness and dermatitis.

12. Ecological information

12.1 Toxicity

Acute (short term) toxicity: Not expected to be harmful to aquatic organisms.
(Fish LL_{100} = 100mg/l *Brachydanio rerio*; Algae EL_{50} >100mg/l (72h))

Chronic (long term) toxicity: Not expected to demonstrate chronic toxicity to aquatic organisms.

12.2 Persistence and biodegradability

Abiotic Degradation: Considered to be readily biodegradable.

Physical and photo-chemical elimination: Substances present are not expected to be photolytic.

Biodegradation: The substances in this product are expected to be biodegradable.

12.3 Bioaccumulative potential

Partition coefficient n-octanol / water ($\log K_{ow}$): Not determined.

Bioconcentration factor: Not determined.

12.4 Mobility in soil

Known or predicted distribution to environmental compartments: Not expected to partition to sediment and wastewater solids.

Surface tension: No data available.

Adsorption / Desorption: No data available.

12.5 Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6 Other adverse effects

No adverse effects are expected.

13. Disposal considerations

13.1 Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

Dispose of contents / container to a licensed hazardous waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

This mixture is suitable for disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products by a specialist company.

14. Transport information

14.1 UN Number

This product is not regulated for carriage according to ADR/RID/AND, IMDG, ICAO-TI / IATA-DGR.

14.2 UN proper shipping name

This product is not regulated for carriage according to ADR/RID/AND, IMDG, ICAO-TI / IATA-DGR.

14.3 Transport hazard class(es)

This product is not regulated for carriage according to ADR/RID/AND, IMDG, ICAO-TI / IATA-DGR.

14.4 Packing group

This product is not regulated for carriage according to ADR/RID/AND, IMDG, ICAO-TI / IATA-DGR.

14.5 Environmental hazards

This product is not regulated for carriage according to ADR/RID/AND, IMDG, ICAO-TI / IATA-DGR.

14.6 Special precautions for user

None identified

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

Not applicable.

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.

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

This mixture is classified and labelled under European Regulation EC) 1272/2008 (EU 'CLP' regulation).

Water hazard lass: 1 Based on "Verwaltungsvorschrift wassergefahrdender Stoffe (VwVwS)"

15.2 Chemical safety assessment

A chemical safety assessment has not been undertaken for this mixture

16. Other information

Hazard Statements (Ref: Section 3):

Hazard Statements:

H317 May cause an allergic skin reaction

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 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



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