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.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>EINECS / ELINCS</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rosin</td>
<td>8050-09-7</td>
<td>232-475-7</td>
<td>Skin Sens. (Cat 1)</td>
<td>&lt;10%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>H317</td>
<td></td>
</tr>
</tbody>
</table>

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 reuse.

**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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>amber petrolatum semi-solid</td>
</tr>
<tr>
<td>Odour</td>
<td>slight hydrocarbon odour</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>no data available</td>
</tr>
<tr>
<td>pH</td>
<td>not applicable</td>
</tr>
<tr>
<td>Melting point</td>
<td>Approx 100°C</td>
</tr>
<tr>
<td>Boiling point</td>
<td>no data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>220°C</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>no data available</td>
</tr>
<tr>
<td>Flammability</td>
<td>no data available</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>no data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>no data available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>no data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>approx 0.87 g/cm³ @ 20°C</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Solubility in other ingredients</td>
<td>no data available</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>no data available</td>
</tr>
<tr>
<td>Octanol/water</td>
<td>no data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>no data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>no data available</td>
</tr>
<tr>
<td>Viscosity (kinematic)</td>
<td>approx 1200 cST @ 60°C</td>
</tr>
<tr>
<td>Explosion properties</td>
<td>no data available</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>no data available</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Oral toxicity:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Method</td>
<td>Equivalent or similar to OECD Guideline 420</td>
</tr>
<tr>
<td>Read across substances</td>
<td>Yes, structurally similar</td>
</tr>
<tr>
<td>Species</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Routes of exposure</td>
<td>Occlusive</td>
</tr>
<tr>
<td>Endpoint</td>
<td>LD50</td>
</tr>
<tr>
<td>Effective Dose</td>
<td>&gt;2000 mg/kg</td>
</tr>
<tr>
<td>Exposure time</td>
<td>14 days</td>
</tr>
</tbody>
</table>

Oral toxicity:

<table>
<thead>
<tr>
<th>Oral toxicity:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Method</td>
<td>Equivalent or similar to OECD Guideline 402</td>
</tr>
<tr>
<td>Read across substances</td>
<td>Yes, structurally similar</td>
</tr>
<tr>
<td>Species</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Routes of exposure</td>
<td>Occlusive</td>
</tr>
<tr>
<td>Endpoint</td>
<td>LD50</td>
</tr>
<tr>
<td>Effective Dose</td>
<td>&gt;2000 mg/kg</td>
</tr>
<tr>
<td>Exposure time</td>
<td>24 hours</td>
</tr>
</tbody>
</table>
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 (logK\(_{ow}\))**: 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 class: 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.