

Issue date: 29/11/2024

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

1.1. Product identifier

G38A filling compound.
UFI: X65Q-25WF-XN0J-AF5G.

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

Prysmian Cavi e Sistemi Italia S.r.l.
Via Chiese 6
20126 – Milano
Italy

Telephone

+44 (0) 1978 66 2375

Email

sa.clpsd01gb@prysmiangroup.com

1.4. Emergency telephone number

Emergency telephone number

+44 (0)1978 66 2216

Poison Centre Information

Country	Organisation	Address	Contact No.
United Kingdom	National Poisons Information Service (Birmingham)	National Poisons Information Service, City Hospital, Dudley Road, B18 7QH, England	0344 892 0111*
Republic of Ireland	Poisons Information Centre of Ireland	National Poisons Information Centre, Beaumont Hospital, Beaumont Road, Dublin 9, Ireland	01 809 2166 01 837 9964*
France	French National Products and Composition Database (B.N.P.C.); French Poison and Toxicovigilance Centre Network	Centre Antipoison de Nancy, CHRU de Nancy, Hôpital Central, 29 av. de Lattre de Tassigny, 54000 NANCY, France	+33 3 83 85 21 92
Germany	BfR Bundesinstitut für Risikobewertung	Max-Dohrn-Str. 8-10, 10589 Berlin	+49 30 18412 0
Italy	Istituto Superiore di Sanità (ISS)	Viale Regina Elena 299, Rome, Italy	
Spain	Instituto Nacional de Toxicología y Ciencias Forenses (INTCF)	Calle José Echegaray 4, 28032 Las Rozas de Madrid, Madrid, Spain	+34 917689800

* For use by healthcare professionals only.

Section 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 Sensitisation	Hazard Category 1	H317
Eye Irritation	Hazard Category 2	H319
Aquatic Chronic 4	Hazard Category 4	H413

For full text of hazard statements see Section 16.

2.2. Label elements

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

Signal Word:	Warning
GHS Pictogram	
Hazard Statement:	May cause allergic skin reaction. (H317) Caused serious eye irritation. (H319) May cause long lasting harmful effects to aquatic life (H413)
Precautionary Statement (Prevention):	Wash hands thoroughly after handling. (P264) Avoid release to the environment (P273) Wear protective gloves/protective clothing/eye protection/ face protection (P280)
Precautionary Statement (Response):	IF ON SKIN: Wash with plenty of water. (P302 + P352) If skin irritation or rash occurs: Get medical advice/attention. (P333 + P313) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses in present and easy to do so. Continue rinsing. (P305 + P351 + P338) If eye irritation persists: Get medical advice/attention (P337 + P313) Remove contaminated clothing and wash before reuse. (P362 + P364)
Precautionary Statement (Disposal):	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. (P501)
Hazardous materials for labelling:	RESIN ACIDS AND ROSIN ACIDS, FUMARATED, ESTERS WITH PENTAERYTHRITOL

2.3. Other hazards

This mixture does not contain any REACH registered substances that are assessed to be a PBT or a vPvB. The mixture does not contain substances identified as having endocrine disrupting properties.

Section 3 Composition / information on ingredients

This product is a mixture.

Chemical Name	CAS Number	EC Number	REACH Registration Number	Hazard Class/ Category/Statement	Concentration (w/w%)
Resin acids and Rosin acids, fumarated, esters with pentaerythritol	94581-15-4	305-514-1	01-2119485895-17-XXXX	Eye Irrit.2; H319 Skin Sens.1: H317 Aquatic Chronic 4; H413	20 - <25

Section 4 First aid measures**4.1. Description of first aid measures**

General information: In case of accident or if feeling unwell, seek medical advice immediately. Show this safety data sheet if possible.

Skin Contact: Flush contaminated skin with plenty of soap and water. Remove contaminated clothing. In case of skin irritation obtain medical attention.

Eye Contact: Rinse immediately and carefully with eye bath or water. In case of symptoms consult an ophthalmologist.

Inhalation: Remove to fresh air, provide warmth and rest. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately. Apply cortisone spray at an early stage.

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.

4.2. Most important symptoms and effects, both acute and delayed.

Risk of entering the lungs if swallowed or in the event of vomiting.

4.3. Indication of any immediate medical attention and special treatment needed.

Treat symptomatically.

Section 5 Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media: Sand, foam, carbon dioxide or dry powder. In case of major fire and large quantities: Water spray or mist.

Unsuitable extinguishing media: Do not use a water jet.

5.2. Special hazards arising from the substance or mixture

Burning produces heavy smoke. In the event of a fire carbon monoxide, carbon dioxide, sulphur dioxide and mixed oxides of nitrogen may be released.

5.3. Advice for firefighters

Do not breathe fumes. Wear full face self-contained breathing apparatus and appropriate protective equipment.

Section 6 Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

Wear personal protective equipment (refer to section 8). Avoid contact with skin, eyes and clothes. Avoid formation of oil mist. Ventilate affected area. Danger of slip hazard by leaking/spilling product.

6.1.2. For emergency responders

Do not breathe fumes. Wear full face self-contained breathing apparatus and appropriate protective equipment. Avoid contact with skin, eyes and clothes. Avoid formation of oil mist. Ventilate affected area. Danger of slip hazard by leaking/spilling product.

6.2. Environmental precautions

Prevent product from entering drains/surface water/ground water. Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth). Treat the recovered material as prescribed in the section on waste disposal. Clean contaminated articles and floor according to environmental legislation

6.4. Reference to other sections

See Section 13 for disposal information.

Section 7 Handling and storage**7.1. Precautions for safe handling**

Wear suitable protective clothing. (See Section 8). Avoid contact with skin eyes and clothes. Avoid formation of aerosol. Keep away from sources of ignition. No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a cool, dry well-ventilated location. Avoid prolonged exposure to sunlight.

7.3. Specific end use(s)

See Section 1.2

Section 8 Exposure controls / personal protection

8.1. Control parameters

DNEL

Component	Duration	Route of exposure	DNEL
Resin acids and Rosin acids, fumarated, esters with pentaerythritol	Long term - Local effects - Workers	Inhalation	10 mg/m ³
	Long term - Systemic effects - Workers	Dermal	1.046 mg/kg bw/day
	Long term - Systemic effects - Consumers	Dermal	1.046 mg/kg bw/day
	Long term - Systemic effects - Consumers	Oral	1.046 mg/kg bw/day

PNEC

Component	Route of exposure	Result
Resin acids and Rosin acids, fumarated, esters with pentaerythritol	Freshwater	0.1 mg/L
	Freshwater sediment	2317.75 mg/kg
	Intermittent release (freshwater)	1 mg/L
	Marine water	0.01 mg/L
	Marine water sediment	231.775 mg/kg
	Sewage treatment plant	1.26 mg/L
	Soil	462.06 mg/kg

Additional advice on limit values

Air limit values:

Possibility of exposure to Aerosol, Limit Value: 5mg/m³ (Source *ACGIH*)

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Ensure adequate ventilation in work areas.

8.2.2. Individual protection measures

Eye protection: Wear safety goggles with side protection.

Skin protection: Wear gloves – nitrile, neoprene or viton, Cat II according to EN 347/EN388. Wash after handling the material and before eating and/or drinking. Wash contaminated clothing after use.

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

8.2.3. Environmental exposure controls

Prevent product from entering drains/surface water/ground water. Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter into soil/subsoil.

Section 9 Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	Semi-solid
Colour:	Amber
Odour:	Slight hydrocarbon
Odour threshold:	No data available
Melting point:	Approx. 100 °C
Freezing point:	No data available
Boiling point:	No data available
Flammability:	No data available
Lower explosion limit:	No data available
Upper explosion limit:	No data available
Flash point:	220 °C
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH:	Not applicable
Viscosity, kinematic:	1080 - 1320 mm ² /s at 40 °C
Solubility:	Insoluble in water
Partition coefficient n-octanol/water: (Log K _{ow}):	No data available
Vapour pressure:	No data available
Vapour pressure at 50°C	No data available
Density:	No data available
Relative density:	No data available
Relative vapour density at 20°C	No data available
Particle characteristics	Does not contain nanomaterials

9.2. Other information**9.2.1. Information with regard to physical hazard classes**

No additional information available.

9.2.2. Other safety characteristics

No additional information available.

Section 10 Stability and reactivity**10.1. Reactivity**

Stable under ambient storage conditions.

10.2. Chemical stability

Product is stable under normal storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known during recommended use.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong oxidising agents.

10.6. Hazardous decomposition products

In the event of a fire carbon monoxide, carbon dioxide, sulphur dioxide and mixed oxides of nitrogen may be released.

Section 11 Toxicological information

11.1. Information on toxicological effects

Acute Toxicity:

Based on available data, the classification criteria are not met.

Component	Test	Route	Species	Result	Details
Resin acids and Rosin acids, fumarated, esters with pentaerythritol	LD50	Oral	Rat	> 2000 mg/kg	OECD Guideline 423
	LC50	Dermal		> 2000 mg/kg	OECD Guideline 402

Skin corrosion / irritation:

Based on available data, the classification criteria are not met.

Eye corrosion / irritation:

Causes serious eye irritation.

Sensitising effects:

May cause an allergic skin reaction. May cause sensitization by skin contact.

Repeated dose toxicity:

Data not available

Carcinogenicity:

Based on available data, the classification criteria are not met.

Mutagenicity:

In-vitro mutagenicity tested to OECD Guideline 471 (Bacterial Reverse Mutation Assay), OECD Guideline 473 (In Vitro Mammalian Chromosome Aberration Test) and OECD Guideline 476 (In Vitro Mammalian Cell Gene Mutation Test). Result: Negative

Toxicity for reproduction:

Component	Species	Exposure duration	NOAEL		Details
Resin acids and Rosin acids, fumarated, esters with pentaerythritol	Rat	8 w	P0, male	442 mg/kg	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test).
			P0, female	530 mg/kg	
			F1, male	179 mg/kg	
			F1, female	221.5 mg/kg	
Resin acids and Rosin acids, fumarated, esters with pentaerythritol	Rabbit	-	Foetus	622 mg/kg	OECD Guideline 414 (Prenatal Developmental Toxicity Study)

STOT - Single exposure:

Based on available data, the classification criteria are not met.

STOT - Repeated exposure:

Based on available data, the classification criteria are not met.

Component	Route	Species	Exposure duration	NOAEL	Details
Resin acids and Rosin acids, fumarated, esters with pentaerythritol	Sub-chronic oral toxicity:	Rat	90 d	3000 ppm	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Aspiration hazard: Based on available data, the classification criteria are not met.

Other observations: Frequent contact specially if dried out may cause skin and eye irritations.

11.2. Information on other hazards

The mixture does not contain substances identified as having endocrine disrupting properties.

Section 12 Ecological information

12.1. Toxicity

Component	Aquatic toxicity	Test	Species	Duration	Result	Details
Resin acids and Rosin acids, fumarated, esters with pentaerythritol	Acute fish toxicity	LC50	<i>Danio rerio</i>	96 h	>400 g/L	OECD Guideline 203
	Acute algae toxicity	ErC50	<i>Desmodesmus subspicatus</i>	72 h	>100 mg/L	OECD Guideline 201
	Acute crustacea toxicity	EC50	<i>Daphnia magna</i>	48 h	>100 mg/L	OECD Guideline 202

12.2. Persistence and degradability

This product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes e.g. mechanical separation.

Component	Method	Value	Time	Result
Resin acids and Rosin acids, fumarated, esters with pentaerythritol	Evaluation: OECD Guideline 301B	5%	28 days	Not easily biodegradable (according to OECD criteria)

12.3. Bioaccumulative potential

No indication of bioaccumulative potential.

Partition coefficient n-octanol/water:

Resin and rosin acids, fumarated, esters with pentaerythritol, Log Pow: 3.41

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture does not contain any REACH registered substances that are assessed to be a PBT or a vPvB.

12.6. Endocrine disrupting properties

The mixture does not contain substances identified as having endocrine disrupting properties.

12.7. Other adverse effects

No data available.

Section 13 Disposal considerations**13.1. Waste treatment methods**

Product:	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.
Packaging:	Handle contaminated packaging in the same way as the substance itself.
Local legislation	
Waste catalogue:	EU Waste Disposal Code (EWC)
Waste code:	15 01 10 WASTE PACKAGING: ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substance; hazardous waste

Section 14 Transport information**14.1. UN number or ID number**

Not regulated under transport regulation.

14.2. UN proper shipping name

Not regulated under transport regulation.

14.3. Transport hazard class

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. Maritime transport in bulk according to IMO instruments

No data available.

Section 15 Regulatory information

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

Labelling elements as classified under Regulation (EC) 1272/2008.

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

Additional relevant regulations:

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

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**EU regulatory information:**

2010/75/EU (VOC):

No information available

2004/42/EC (VOC):

No information available

Information according to 2012/18/EU (SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

National regulatory information:

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class D:

1: Slightly water contaminating

15.2. Chemical safety assessment

A chemical safety assessment has not been undertaken for this mixture.

Section 16 Other information**Full text of H-Statements**

H317 May cause allergic skin reaction.

H319 Causes serious eye irritation.

H413 May cause long lasting harmful effects to aquatic life.

This SDS (version 5.0) is the 5th 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.