

Issue date: 20/06/2024

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

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Telephone

+44 (0) 1978 66 2375

Email

sa.clpsd01gb@prysmiangroup.com

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

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

Eye Irritation	Hazard Category 2	H319
Skin Sensitisation	Hazard Category 1	H317

For full text of hazard statements see Section 16.

2.2. Label elements

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

Hazard components for labelling:

Resin acids and Rosin acids, fumarated, esters with pentaerythritol.

Signal Word:

Warning

GHS Pictogram



Hazard Statement:

May cause allergic skin reaction. (H317)
Caused serious eye irritation. (H319)

Precautionary Statement (Prevention):

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)
Remove contaminated clothing and wash before reuse. (P362 + P364)

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)

2.3. Other hazards

The substances in this mixture do not meet the PBT/vPvB criteria according to REACH annex XIII.

The mixture contains no substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH

Section 3 Composition / information on ingredients

This product is a mixture.

Chemical Name	CAS Number	EINECS/ ELINCS Number	REACH Registration Number	Hazard Class/ Category/Statement	Concentration (%)
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

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.

6.2. 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)

Filling material for cable joints and termination enclosures.

Section 8 Exposure controls / personal protection

8.1. Control parameters

DNEL/DMEL Values – Resin acids and rosin acids, fumarated, esters with pentaerythritol:

Worker DNEL, long term	Inhalation	Local	10 mg/m ³
Worker DNEL, long term	Dermal	Systemic	1.046 mg/kg bw/day
Consumer DNEL, long term	Dermal	Systemic	1.046 mg/kg bw/day
Consumer DNEL, long term	Oral	Systemic	1.046 mg/kg bw/day

PNEC Values – Resin acids and rosin acids, fumarated, esters with pentaerythritol:

Freshwater	0.1mg/L
Freshwater (intermittent releases)	1mg/L
Marine water	0.01mg/L
Freshwater sediment	2317.75 mg/kg
Marine sediment	231.775 mg/kg
Micro-organisms in sewage treatment plants	1.26mg/L
Soil	462.06mg/kg

Additional advice on limit values

Air limit values:

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

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 – 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.

Wear safety goggles with side protection.

Section 9 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
Explosive limits:	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	Des not contain nanomaterials

9.1. Other information**9.1.1. Information with regard to physical hazard classes**

No additional information available.

9.1.2. 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**

Resin and rosin acids, fumarated, esters with pentaerythritol:

Toxicokinetic, metabolism and distribution: No data available.

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

Acute oral toxicity:	LD50 rat: > 2000 mg/kg	OECD Guideline 423
Acute dermal toxicity:	LC50 rat: > 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:

Species	Exposure duration	NOAEL		
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	
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.

	Species	Exposure duration	NOAEL	
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.

Literature information: ECHA Dossier

Section 12 Ecological information

12.1. Toxicity

Resin and rosin acids, fumarated, esters with pentaerythritol:

Aquatic toxicity	Dose	Time	Species	Method
Acute fish toxicity	LC50 >400 g/L	96 h	<i>Danio rerio</i>	OECD Guideline 203
Acute algae toxicity	ErC50 >100mg/L	72 h	<i>Desmodesmus subspicatus</i>	OECD Guideline 201
Acute crustacea toxicity	EC50 >100 mg/L	48 h	<i>Daphnia magna</i>	OECD Guideline 202

Source: ECHA Dossier

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.

Resin and rosin acids, fumarated, esters with pentaerythritol:

Method	Value	Time
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

The substances in this mixture do not meet the PBT/vPvB criteria according to REACH, Annex XIII.

12.6. 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.
Contaminated packaging:	Handle contaminated packaging in the same way as the substance itself.
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**

Not regulated under transport regulation.

14.2. 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. 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.

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/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)

Observe in addition any national regulations.

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

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 4.0) is the 4th 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.