



SAFETY DATA SHEET

G38A SEMI-SOLID COMPOUND

ISSUE DATE:

30th September 2019

Section 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

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):

Hazard categories:

Serious eye damage / eye irritation: Eye Irrit.2

Respiratory or skin sensitisation: Skin Sens. 1

For full text of hazard statements: see **Section16**

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

Hazard Pictograms: GHS07



Hazard Statements:

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

Precautionary Statements:

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.

P362/364 Remove contaminated clothing and wash it before reuse

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.

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	Classification	Concentration
Resin acids and Rosin acids, fumarated, esters with pentaerythritol	305-514-1		Eye Irrit.2 Skin Sens.1 Aquatic Chronic 4 H319, H317, H413	20 - <25%

Please see Section 16 for full hazard statements.

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.

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.

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

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

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

Sand, foam, carbon dioxide or dry powder.

In case of major fire and large quantities: Water spray or mist. Do not use 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 fire fighters

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

DNEL type

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

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):	1080-1320 mm ² /s @ 40°C
Explosion properties:	no data available
Oxidising properties:	no data available

9.2 Other information

No additional data available.

Section 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 information available

10.5 Incompatible materials

Strong oxidising materials.

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

Toxicokinetics, metabolism and distribution

No information available.

Acute toxicity

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

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

Exposure route	Dose	Species	Source	Method
Oral	LD50 > 2000 mg/kg	Rat	ECHA Dossier	OECD Guideline 423
Dermal	LD50 > 2000 mg/kg	Rat	ECHA Dossier	OECD Guideline 402

Irritation and corrosivity

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Sensitising effects

May cause an allergic skin reaction. (Resin acids and Rosin acids, fumarated, esters with pentaerythritol)

May cause sensitization by skin contact.

Carcinogenic/mutagenic/toxic effects for reproduction

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

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

In-vitro mutagenicity:

Method:

-OECD Guideline 471 (Bacterial Reverse Mutation Assay)

-OECD Guideline 473 (In Vitro Mammalian Chromosome Aberration Test)

-OECD Guideline 476 (In Vitro Mammalian Cell Gene Mutation Test)

Result: negative. Literature information: ECHA Dossier

Reproductive toxicity: Method: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the

Reproduction / Developmental Toxicity Screening Test); Species: Rat ; Exposure duration: 8 w. Result: NOAEL

= 442 mg/kg (P0, male); = 530 mg/kg (P0, female); = 179 mg/kg (F1, male); = 221,5 mg/kg (F1, female);

Literature information: ECHA Dossier

Developmental toxicity/teratogenicity:

Method: OECD Guideline 414 (Prenatal Developmental Toxicity Study)

Species: Rabbit

Results: NOAEL = 622 mg/kg (fetus)

Literature information: ECHA Dossier

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.

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

Subchronic oral toxicity:

Method: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Species: Rat

Exposure duration: 90 d.

Result: NOAEL = 3000 ppm

Literature information: ECHA Dossier

Aspiration hazard

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

Practical experience**Other observations**

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

Section 12. Ecological information**12.1 Toxicity**

Resin acids and Rosin acids, fumarated, esters with pentaerythritol

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

12.2 Persistence and biodegradability

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

Resin acids 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 bioaccumulation potential

Partition coefficient n-octanol/water

Resin and rosin acids, fumarated, esters with pentaerythritol: $\log P_{ow} = 3.41$

12.4 Mobility in soil

No information 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 information available.

Section 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.

Waste disposal number of contaminated packaging

150110 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

Contaminated packaging

Handle contaminated packaging in the same way as the substance itself.

Section 14 : Transport information

14.1 UN Number

Not classified as dangerous goods for transport purposes

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.

Section 15 : Regulatory information

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)

Additional information

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

Hazard Statements (Ref: Section 3):

Hazard Statements:

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

H413 May cause long lasting harmful effects to aquatic life

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