



Safety Data Sheet (SDS)

1.1 Product Name/Identifier:

DREMC PETG CF

1.2 Relevant identified uses of the substance or mixture and uses advised against:

3D Printing Supplies / Additive manufacturing

1.3 Details of the supplier of the safety datasheet:

| | |
|------------------------|---|
| Importer | DREMC PTY LTD |
| Address | PO BOX 5340 ALGESTER QLD 4115 AUSTRALIA |
| Contact (Office Hours) | +61 0480 080 180 / support@dremc.com.au |
| Emergency Contact | +61 0480 080 180 (Office Hours Only) |
| Transport Method | Air, Sea, Rail, Road |

DREMC PTY LTD uses an agent company to manufacture this filament on its behalf.

2.1 Hazards Identification

Summary of Hazard in an Emergency Situation

Solid Does not mix with water. Sinks in water. Combustible.

May cause long-term adverse effects in the environment. Use appropriate container to avoid environmental contamination.

Avoid release to the environment.

Physical Hazards: None

Regulation (EC) NO 1272/2008: Not classified as a dangerous product.

2.2 Label elements

Hazard pictogram(s): Not Applicable

Signal word: Not Applicable

Physical and Chemical Hazard:

Solid. Does not mix with water. Sinks in water. Combustible.

Toxic smoke/fumes in a fire. Dispose of this material and its container at hazardous or special waste collection point.

2.3 Health Hazards

| | |
|--------------|---|
| Inhaled | The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting. |
| Ingestion | The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion". |
| Skin Contact | The material is not thought to produce adverse health effects or skin irritation following contact |
| Eye | The material is not thought to be an irritant |

| | |
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| Chronic | There is limited evidence that, skin contact with this product is more likely to cause a sensitisation reaction in some persons compared to the general population. |
|---------|---|

2.4 Precautionary statement:

Prevention: Not applicable.

Response: Not applicable.

Storage: Not applicable.

Disposal: Not applicable.

Specific hazards: Not applicable.

2.5 Environmental Hazards:

Not classified

3.1 Composition/Information on ingredients

This product does not contain hazardous ingredients above cut-off value according to the Code of Practice for Labelling of Workplace Hazardous Chemicals (2015).

| Ingredient Name | CAS No. |
|-----------------|------------|
| PETG | 25038-91-9 |
| Carbon fibre | 7440-44-0 |

4.1 First aid measures

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|--------------|--|
| Inhaled | Remove to fresh air. Get medical attention for any breathing difficulty. |
| Ingestion | If large amounts were swallowed, get medical advice from Australia Poison Information. |
| Skin Contact | Wash off with soap and plenty of water. |
| Eye | Immediately flush eyes with plenty of water, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists. |

5.1 Fire Fighting Measure

Extinguishing Media: Water spray, dry powder, and foam. Carbon dioxide (CO₂)

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode

6.1 Accidental Release Measure

Spill or release: Clean up by vacuuming or sweeping to prevent falls. If molten, allow material to cool and place into an appropriate container for disposal.

Refer to 8.1 for personal protective equipment advice.

7.1 Handling and storage condition

Handling: Product as shipped is not a combustible dust. Mechanical handling can cause the formation of dusts. To reduce the risk for dust explosion do not permit dust to accumulate, storage in original containers.

Storage: Store in cool, dry area protected from environmental extremes, store away from incompatible materials and food containers.

Waste Disposal: Dispose in accordance with applicable federal, state, and local council regulations.

8.1 Exposure and protection Information

Repository protection: A NIOSH approved respirator is recommended for protection against processing polymeric fumes, or from dust generated from grinding, sanding, or sawing operations according to AS/NZS 1716 & 1715.

Eye protection: Safety glasses with side shields are recommended. Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly according to AS/NZS 1336

Skin protection: Wear protective clothing according to AS/NZS 2161.10.1

Ventilation: Local exhaust is preferred.

9.1 Physical and chemical properties

Colour: Black

Form: Strip Solid

Odour: Odorless

Melting range(°C): 200

Boling Range(°C): No data available

Flash Point(°C): No data available

Decomposition Temp(°C): No data available

Autoignition Temp(°C): No data available

Upper Explosive Limit (%): No data available

Lower Explosive Limit (%): No data available

Molecular Weight: 1.28 g/cm³

Viscosity: No data available

Solubility in water: No data available

pH (1% solution): No data available

pH (as supplied): No data available

Vapour Pressure (kPa): No data available

Specific Gravity (water=1): Not available

Relative Vapour Density (air=1): No data available

Evaporation Rate: No data available

10.1 Stability and Reactivity

Reactivity: The substance is stable under normal storage and handling conditions.

Chemical stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Possibility of hazardous: No dangerous reactions known.

Reactions Conditions to avoid: Incompatible materials.

Incompatible materials: Strong oxidizing agents

Hazardous decomposition products: Carbon oxides.

11.1 Toxicological Information

Acute Toxicity: Not available

LD/LC50 values relevant for classification: Not available

Skin corrosion/Irritation: Not available

Serious eye damage/irritation: Not available

Respiratory or skin sensitization: Not available

12.1 Ecological Information

| | |
|--------------|-------------------|
| PETG | No data available |
| Carbon fibre | No data available |

12.1 Disposal Consideration

Waste Disposal: Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked. DO NOT allow wash water from cleaning or process equipment to enter drains. Where in doubt contact the responsible authority

13 Transport Information

13.1 UN number or ID number: Not Applicable

13.2 UN proper shipping name: Not Applicable

13.3 Transport hazard class(es): Not Applicable

13.4 Packing group: Not Applicable

13.5 Environmental hazards Not Applicable

13.6 Special precautions for user: Not Applicable

13.7 Maritime transport in bulk according to IMO instruments: Not Applicable

14. Regulatory Information:

14.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture:

The product should follow the relevant regulations of EU Directive/Hazardous substances regulations.

14.2 Chemical safety assessment

No chemical safety assessment has been carried out.

15 Other Information:

This information is based on our present knowledge and represents the best information currently available to us. However, we make no warranty of the merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. This shall not constitute a guarantee for any specific product features and shall not establish a legally available contractual relationship.