



Material Safety Data Sheet (MSDS) - GHS Format for Australia

Product Name: PETG 3D Printing Filament

Section 1: Product Identification

- **Product Identifier:** X3D PETG 3D Printing Filament
- **Other Means of Identification:** PETG Filament, 3D Printing Filament
- **Recommended Use:** 3D printing material
- **Supplier's Details:** X3D
- **Manufacturer:** outside of Australia
- **Address:** 12/9 Sainsbury Road, O'Connor WA 6163
- **Telephone:** 08 6380 7488
- **Emergency Phone Number:** Poisons Information Line 13 11 26

Section 2: Hazard Identification

Classification of the Substance or Mixture:

- Not classified as hazardous according to the Globally Harmonized System (GHS) in Australia.

Section 3: Composition/Information on Ingredients

- **Chemical Name:** Polyethylene Terephthalate Glycol (PETG)
- **CAS Number:** 63407-54-5
- **Concentration:** 99.99%
- **Chemical Name:** N,N'-ethylenendi (stearamide)
- **CAS Number:** 110-30-5
- **Concentration:** 0.01%

Section 4: First Aid Measures

- **Inhalation:** If inhaled, remove to fresh air. Seek medical attention if respiratory irritation persists.
- **Skin Contact:** Wash with plenty of soap and water. Seek medical advice if irritation develops.
- **Eye Contact:** Rinse eyes with water for at least 15 minutes. If irritation persists, seek medical attention.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical attention.

Section 5: Fire-Fighting Measures

- **Extinguishing Media:** Use water spray, carbon dioxide, dry chemical, or foam.
- **Fire Fighting Procedures:** Wear appropriate protective equipment. Avoid inhaling fumes. Evacuate personnel to a safe area.

Section 6: Accidental Release Measures

- **Personal Precautions:** Use appropriate personal protective equipment (PPE). Avoid dust formation.
- **Environmental Precautions:** Prevent product from entering drains or waterways.
- **Cleanup Procedures:** Sweep or vacuum up the spilled material. Dispose of according to local regulations.

Section 7: Handling and Storage

- **Handling:** Use in a well-ventilated area. Avoid inhalation of dust. Avoid skin and eye contact.
- **Storage:** Store in a cool, dry place away from direct sunlight and heat sources.

Section 8: Exposure Controls/Personal Protection

- **Respiratory Protection:** Use respiratory protection if ventilation is inadequate.
- **Hand Protection:** Wear appropriate gloves.
- **Eye Protection:** Wear safety glasses or goggles.
- **Skin Protection:** Wear protective clothing.

Section 9: Physical and Chemical Properties

- **Appearance:** Solid filament, various colors
- **Odor:** None
- **Melting Point:** Approximately 220 -250°C
- **Solubility in Water:** Insoluble
- **Specific Gravity:** 1.27 - 1.37

Section 10: Stability and Reactivity

- **Stability:** Stable under recommended storage conditions.
- **Hazardous Polymerization:** Will not occur.
- **Incompatibilities:** Avoid contact with strong acids, bases, and oxidizing agents.

Section 11: Toxicological Information

- **Acute Toxicity:** Not considered acutely toxic.
- **Skin Irritation:** May cause mild irritation in some individuals.
- **Eye Irritation:** May cause slight eye irritation.
- **Sensitization:** Not known to cause sensitization.

Section 12: Ecological Information

- **Ecotoxicity:** PETG is considered non-toxic to aquatic and terrestrial organisms.
- **Environmental Persistence:** PETG is not readily biodegradable.

Section 13: Disposal Considerations

- Dispose of in accordance with local, state, and federal regulations.

Section 14: Transport Information

- Not regulated for transport.

Section 15: Regulatory Information

- This product is not classified as hazardous according to GHS in Australia.

Section 16: Other Information

- This MSDS is prepared in accordance with the GHS system as adopted in Australia.

Disclaimer: The information provided in this Material Safety Data Sheet is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not be considered as a guarantee of any specific properties of the product.

V 1.3 Oct 2023