

SAFETY DATA SHEETS

Version: 1.0

Creation Date: Aug. 28, 2026

Revision Date: Aug. 28, 2026

1. Identification

1.1 Product identifier used on the label

Product name Filaform Naked PETG Matte

1.2 Other means of identification

Product number PETG Matte

Other names -

1.3 Recommended use of the chemical and restrictions on use

Identified uses Filaform Naked PETG Matte — 3D printer filament

Uses advised against no data available

1.4 Details of the supplier of the safety data sheet

Details of supplier in Australia

Company 3D Printer Gear Pty Ltd

Address 781 High Street Reservoir, Melbourne Victoria 3073

Telephone 1300 334 327

Details of suppliers outside Australia

Company 3D Printer Gear Pty Ltd

Address 781 High Street Reservoir, Melbourne Victoria 3073

Telephone 1300 334 327

1.5 Emergency phone number

Emergency phone number +61431584407

Service hours Monday to Friday, 9am-6pm hours

2. Hazard identification

2.1 Classification of the chemical in accordance with paragraph (d)(1)(i) of § 1910.1200

Not classified.

2.2 Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with paragraph (f) of § 1910.1200

Hazard symbol(s) No symbol.

Signal word No signal word

Hazard statement(s) none

Precautionary statement(s)

Prevention none

Response none

Storage none

Disposal none

2.3 Hazards classified under paragraph (d)(1)(ii) of § 1910.1200

no data available

2.4 Hazards not otherwise classified that have been identified during the classification process

no data available

3. Composition/information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

Chemical name	Common names and synonyms	CAS number	EC number	% [weight]
Polyethylene terephthalate-1,4-cyclohexanedimethylene terephthalate	PETG pellets	25640-14-6	-	95%-99%
/	Additive (incl. matting agent & pigment)	-	-	1%-5%

4. First aid measures

4.1 Description of necessary measures

Following inhalation

Move the victim into fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and consult a doctor immediately. Do not use mouth to mouth resuscitation if the victim ingested or inhaled the chemical.

Following skin contact

Take off contaminated clothing immediately. Wash off with soap and plenty of water. Consult a doctor.

Following eye contact

Rinse with pure water for at least 15 minutes. Consult a doctor.

Following ingestion

Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or Poison Control Center immediately.

4.2 Most important symptoms/effects, acute and delayed

no data available

4.3 Indication of immediate medical attention and special treatment needed, if necessary

no data available

5. Fire-fighting measures

5.1 Suitable (and unsuitable) extinguishing media

Suitable extinguishing media

Use water spray, dry chemical, carbon dioxide or alcohol-resistant foam.

Unsuitable extinguishing media

no data available

5.2 Specific hazards arising from the chemical

Hazardous combustion products

no data available

5.3 Special protective equipment and precautions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary. Use water spray to cool fire-exposed containers.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid creating dust or micro-filament particles. Do not breathe fumes, vapors or airborne particulates that may be released if the material has been heated.

Keep away from skin, eyes and clothing. Wear nitrile or neoprene gloves, safety goggles with side shields, and a long-sleeve cotton or antistatic lab coat.

Ensure adequate ventilation. Use local exhaust (capture velocity ≥ 100 ft/min) at the printer head or general dilution ventilation to maintain exposure below OSHA PELs and ACGIH TLVs.

Eliminate all ignition sources: no smoking, open flames, hot surfaces, or spark-producing tools. Ground all equipment to prevent static discharge.

If thermal decomposition products are suspected (aldehydes, CO), wear at minimum a NIOSH-approved N95 or P100 filtering face-piece; for unknown or high concentrations use a NIOSH-approved supplied-air respirator.

6.2 Methods and materials for containment and cleaning up

Allow any molten polymer to cool and solidify. Pick up intact spools or pellets by hand or with insulated gloves.

Sweep or use a HEPA-filtered, spark-proof vacuum to collect loose dust or short filaments; do not use compressed air.

Place all recovered material in closed, labeled plastic bags or drums for re-use or disposal per federal, state and local regulations (40 CFR 262).

Do not flush residues down floor drains. Dispose of contaminated PPE and cleanup debris as non-hazardous industrial waste unless contaminated with solvents.

7. Handling and storage

7.1 Precautions for safe handling

Use only in a well-ventilated area; maintain local exhaust (≥ 100 ft/min capture) or general dilution ≥ 6 air-changes/hr to keep respirable dust and any thermal-decomposition vapors below OSHA PELs/ACGIH TLVs.

Wear long-sleeve cotton or antistatic clothing, nitrile gloves, and safety glasses with side shields; if dust or fumes are visible add a NIOSH-approved N95 or P100 filtering face-piece.

Avoid dust or micro-filament generation—do not grind, sand, or cut cold filament; collect tailings with a HEPA vacuum.

Use non-sparking, hand tools (aluminum, bronze, or plastic) when trimming or removing support material.

Ground and bond all equipment, filament spindles, and vacuum units; keep relative humidity ≥ 40 % to prevent electrostatic discharge.

Keep away from hot surfaces > 260 °C unless in the controlled melt zone; never leave printer unattended while nozzle is above set-point.

Wash hands with soap and water after handling; do not eat, drink, or smoke in work area.

7.2 Conditions for safe storage, including any incompatibilities

Store in original moisture-barrier bags or tightly closed plastic containers at $5 - 30$ °C and < 20 % RH; keep away from direct sunlight, radiators, or other heat sources.

Separate from strong oxidizers, acids, alkalis, solvents, and food-grade materials by ≥ 3 ft (1 m) or a physical barrier.

Ensure storage area is cool, dry, and well-ventilated; avoid attics or vehicle interiors where summer temperatures can exceed 50 °C and cause spool deformation.

Use conductive or anti-static shelving; do not store above shoulder height to prevent dropped-container damage.

Rotate stock first-in/first-out; re-seal opened bags with desiccant to prevent hydrolysis or brittleness.

8. Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure limit values

No occupational exposure limit values have been established for the components of this product.

Biological limit values

no data available

8.2 Appropriate engineering controls

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Safety glasses with side shields or full-face shield that comply with ANSI Z87.1-2020 (US) or EN 166 (EU). Select splash-rated goggles if molten polymer or cleaning solvents are present.

Skin protection

Wear loose-fitting, long-sleeve clothing made from natural fiber or flame-resistant cotton (NFPA 2112). Thermal-insulated, heat-resistant gloves (e.g., leather or aramid) are required when working near the hot-end ($> 100\text{ }^{\circ}\text{C}$). For routine handling, nitrile gloves ($\geq 0.11\text{ mm}$, 5-mil) meeting EN 374 or ASTM D6319 are sufficient; inspect for pinholes before each use.

Wash and dry hands after removal.

Body Protection

Standard flame-resistant lab coat or coverall (NFPA 2112, EN ISO 14116). Select apron or aluminized suit only for prolonged contact with molten bead. Do NOT wear polyester, nylon or other thermoplastic fabrics that can melt and adhere to skin.

Respiratory protection

If engineering controls cannot keep respirable dust or thermal-decomposition vapors below OSHA PEL/ACGIH TLV, wear: Minimum: NIOSH-approved N95 or P100 filtering face-piece for dust.

For unknown or nuisance organic vapors: half-mask with OV/P100 cartridges.

For confirmed thermal-decomposition fumes (aldehydes, CO): full-face, NIOSH-approved supplied-air respirator (SCBA or airline) operated in positive-pressure mode.

Follow 29 CFR 1910.134 for selection, fit-testing, maintenance and cartridge change-out schedule.

9. Physical and chemical properties

Physical state	Solid.
Color	Various
Odor (includes odor threshold)	Odorless
Melting point/freezing point	128°C
Boiling point (or initial boiling point or boiling range)	not applicable
Flammability	Flammable (UL94 HB)
Lower and upper explosion limit/flammability limit	not applicable
Flash point	not applicable
Auto-ignition temperature	not applicable
Decomposition temperature	$\geq 423^{\circ}\text{C}$
pH	not applicable
Kinematic viscosity	no data available
Solubility	In water: Insoluble
Partition coefficient n-octanol/water	not applicable
Vapor pressure (includes evaporation rate)	not applicable
Density and/or relative density	1.28 g/cm^3
Relative vapor density	not applicable

Particle characteristics

no data available

10. Stability and reactivity**10.1 Reactivity**

no data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions, including those associated with foreseeable emergencies

no data available

10.4 Conditions to avoid

Avoid fire, elevated temperatures and direct sunlight.

10.5 Incompatible materials

Strong oxidizers, strong acids, strong alkalis.

10.6 Hazardous decomposition products

no data available

11. Toxicological information**11.1. Information on the likely routes of exposure**

no data available

11.2. Symptoms related to the physical, chemical, and toxicological characteristics

no data available

11.3. Delayed and immediate effects and also chronic effects from short- and long-term exposure

no data available

11.4. Numerical measures of toxicity**Acute toxicity**

no data available

Skin corrosion/irritation

no data available

Serious eye damage/irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

STOT-single exposure

no data available

STOT-repeated exposure

no data available

Aspiration hazard

no data available

11.5. Interactive effects

no data available

11.6. Whether alternative information is used and the method used to derive the information

no data available

12. Ecological information

12.1 Ecotoxicity

no data available

12.2 Persistence and degradability

no data available

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

no data available

12.5 Other adverse effects

no data available

13. Disposal considerations

13.1 Disposal methods

Product

Recycling is preferred. Dispose of unused or printed filament in accordance with Federal, state and local requirements.

Non-hazardous solid waste: may be land-filled as ordinary industrial waste (40 CFR 261) or incinerated in a licensed municipal or industrial waste-to-energy facility equipped with acid-gas scrubbing.

Do NOT melt, burn on-site, or discharge into storm drains, sewers, or natural waterways.

If the material has become contaminated with solvents, paints, or metals, conduct a RCRA hazardous-waste determination (TCLP) and use an EPA-licensed treatment, storage and disposal facility (TSDF).

Contaminated packaging

Plastic spool cores and vacuum bags: wipe clean, then recycle through an approved industrial recycler if local programs accept thermoplastics.

If recycling is unavailable, puncture bags and crush spools to render them unusable, then dispose of as non-hazardous municipal solid waste or incinerate in an EPA-permitted waste combustor with flue-gas scrubbing.

Desiccant sachets may be discarded as ordinary solid waste.

14. Transport information

14.1 UN number

ADR/RID: Not dangerous goods. IMDG: Not dangerous goods. IATA: Not dangerous goods.

14.2 UN proper shipping name

ADR/RID: Not dangerous goods.

IMDG: Not dangerous goods.

IATA: Not dangerous goods.

14.3 Transport hazard class(es)

ADR/RID: Not dangerous goods. IMDG: Not dangerous goods. IATA: Not dangerous goods.

14.4 Packing group, if applicable

ADR/RID: Not dangerous goods. IMDG: Not dangerous goods. IATA: Not dangerous goods.

14.5 Environmental hazards

ADR/RID: No IMDG: No IATA: No

14.6 Transport in bulk according to IMO instruments

no data available

14.7 Special precautions for user

The packaging should be complete and the loading should be secure. During transportation, ensure the container does not leak, collapse, fall or become damaged. Do not mix with oxidizers. Protect from sunlight, rain and high temperature during transportation.

15. Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Chemical name	Common names and synonyms	CAS number	EC number
Polyethylene terephthalate-1,4-cyclohexanedimethylene terephthalate	PETG pellets	25640-14-6	-
United States Toxic Substances Control Act (TSCA) Inventory			Listed.
The Inventory of Existing Chemical Substances in China (IECSC)			Listed.
California Prop. 65 Components			Not Listed.
New Jersey Right To Know - Right to Know Hazardous Substance List (RTKHSL)			Not Listed.
Massachusetts Right To Know - MASSACHUSETTS SUBSTANCE LIST (MSL)			Not Listed.
Pennsylvania Right To Know - HAZARDOUS SUBSTANCE LIST			Not Listed.

Chemical name	Common names and synonyms	CAS number	EC number
/	Additive	/	/
United States Toxic Substances Control Act (TSCA) Inventory			Listed.
California Prop. 65 Components			Not Listed.
New Jersey Right To Know - Right to Know Hazardous Substance List (RTKHSL)			Not Listed.
Massachusetts Right To Know - MASSACHUSETTS SUBSTANCE LIST (MSL)			Not Listed.
Pennsylvania Right To Know - HAZARDOUS SUBSTANCE LIST			Not Listed.

16. Other information

Information on revision

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Abbreviations and acronyms

- CAS: Chemical Abstracts Service

- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- RID: Regulation concerning the International Carriage of Dangerous Goods by Rail
- IMDG: International Maritime Dangerous Goods
- IATA: International Air Transportation Association
- TWA: Time Weighted Average
- STEL: Short term exposure limit
- LC50: Lethal Concentration 50%
- LD50: Lethal Dose 50%
- EC50: Effective Concentration 50%

References

- IPCS - The International Chemical Safety Cards (ICSC), website: <http://www.ilo.org/dyn/icsc/showcard.home>
- HSDB - Hazardous Substances Data Bank, website: <https://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm>
- IARC - International Agency for Research on Cancer, website: <http://www.iarc.fr/>
- eChemPortal - The Global Portal to Information on Chemical Substances by OECD, website: http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en
- CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>
- ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>
- ERG - Emergency Response Guidebook by U.S. Department of Transportation, website: <http://www.phmsa.dot.gov/hazmat/library/erg>
- Germany GESTIS-database on hazard substance, website: <http://www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index-2.jsp>
- ECHA - European Chemicals Agency, website: <https://echa.europa.eu/>

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. We as supplier shall not be held liable for any damage resulting from handling or from contact with the above product.