

Safety Data Sheet

According to Hazard Communication Standard (29 CFR 1910.1200)

PETG

Version 2.0

Issue date: 10-02-2025

Revision date: 03-15-2026

SDS ID: LD00022

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture

Trade name : PETG

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

1.2.1. Relevant identified uses

Main use category : Professional use

Use of the substance/compound : 3D-Printing filament

1.2.2. Uses advised against

Restrictions on use : This product must not be used in applications other than those identified above, without first seeking advice of the supplier

1.3. Details of the supplier of the safety data sheet

Supplier: Landu Innovations Technology Co., Ltd.

Address: Room 1504, Building D, Block 3, Tian'an Industrial Park, No. 2018 Xuegang North Road, Longgang District, Shenzhen City, 518129, China

Contact E-mail: support@landu3d.com

Telephone: 0755-28502126

1.4. Emergency telephone number

0755-28502126 Only available during office hours (9:00a.m.-18:30p.m. Beijing Time Zone)

Available outside office hours? Yes ☐ No ☒

SECTION 2: Hazards identification

2.1. GHS classification

Physical hazards Not classified

Health hazards Not classified

Environmental hazards Not classified

2.2. Label elements

Hazard Pictograms No hazard pictogram is used

Signal word No signal word is used.

Hazard statement Not applicable.

2.3. Precautionary statement

Prevention	Not applicable.
Response	Not applicable.
Storage	Not applicable.
Disposal	Not applicable.
Other hazards	Not available.

SECTION 3: Composition/information on ingredients

This product does not contain hazardous ingredients above cut-off value according to HCS2012.

SECTION 4: First aid measures

Description of first aid measures

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1 In case of inhalation:

None expected to require first aid measures. If breathed in, remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical attention.

4.2 In case of skin contact:

None expected to require first aid measures. Wash thoroughly with soap and water. Get medical attention in the unlikely event that irritation persists.

4.3 In case of eyes contact:

None expected to require first aid measures. Flush with running water for at least 15 minutes. If irritation persists get medical attention.

4.4 In case of ingestion:

Immediate first aid is not likely to be required. A physician or poison control center can be contacted for advice.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Water spray, alcohol-resistant foam, dry powder, or carbon dioxide.
Unsuitable extinguishing media	Avoid using DC water to extinguish fire, so as to avoid material splashes and fire spread.

5.2. Firefighting equipment/instructions

Wear self contained breathing apparatus for fire fighting if necessary.

5.3. Hazardous combustion products

Carbon oxides.

SECTION 6: Accidental release measures

Personal precautions	Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental precautions	Avoid disposing into drainage/sewer system or directly into the aquatic environment.
Methods for cleaning up	Sweep up and shovel into suitable containers. Clean up affected area.

SECTION 7: Handling and storage

7.1. Handling

Ensure good ventilation/exhaustion at the workplace. Wash thoroughly after handling.

7.2. Storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3. Specific and use(s)

3D printing

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

- 8.1.1 Occupational exposure limits:** This substance has no PEL, TLV, or other recommended exposure limit.
- 8.1.2 Biological limit values** No biological exposure limits noted for the ingredient(s).
- 8.1.3 Appropriate engineering controls:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.2 Exposure controls:

- 8.2.1 Appropriate engineering controls:** Ensure adequate ventilation. Apply technical measures to comply with the occupational exposure limits.
- 8.2.2 Individual protection measures, such as personal protective equipment:**
- Eye/face protection: No special protection required.
- Skin protection: No special protection required.
- Respiratory protection: No special protection required.
- General hygiene considerations: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.
- 8.2.3 Environmental exposure controls:** Avoid discharge into the environment. According to local regulations, Official regulations.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid
Colour	Transparent
Odor	Odorless
Odor threshold	Not available
Melting point/range	220 °C
Flash point	Not available
Boiling point	Not available
Flammability (solid, gas)	Not available
Evaporation rate	Not available
Flammability limit – lower (%)	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
pH	Not available
Viscosity, dynamic (mPa.s)	Not available
Water solubility	Insoluble
Vapour pressure (20° C)	Not available
Bulk density	Not available
Relative density	1.2
Ignition temperature	Not available
Explosive properties	Not available
Other information	No additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

The substance is stable under normal storage and handling conditions.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Incompatible materials. Keep away from direct sunlight. To avoid thermal decomposition, do not overheat.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects:

Acute toxicity:

LD50(Oral, Rat): Not available

LD50(Dermal, Rabbit): Not available

LC50(Inhalation, Rat): Not available

Skin corrosion/Irritation: Not classified

Serious eye damage/irritation: Not classified

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT– single exposure: Not classified

STOT–repeated exposure: Not classified

Aspiration hazard: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	96h	Fish	OECD203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD202	N/A	N/A
EC50	N/A	72h	Algae	OECD201	N/A	N/A

12.2. Persistence and degradability

Not available.

12.3. Bioaccumulative potential

Not available.

12.4. Mobility in soil

Not available.

12.5. Results of PBT and vPvB assessment

Not available.

12.6. Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: Dispose of in accordance with relevant local regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Ensure all waste water is collected and treated via a waste water treatment plant. Ensure all national/local regulations are observed.
Product/Packaging disposal recommendations	: Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.

SECTION 14: Transport information

	Land transport (ADR/RID)	Inland waterways (ADN)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number	Not regulated	Not regulated	Not regulated	Not regulated
UN Proper shipping name	Not regulated	Not regulated	Not regulated	Not regulated
Transport hazard Class(es)	Not regulated	Not regulated	Not regulated	Not regulated
Packing group	Not regulated	Not regulated	Not regulated	Not regulated
Environmental hazards	No	No	No	No

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Relevant information regarding authorization:	Not applicable.
Relevant information regarding restriction:	Not applicable.
Other EU regulations:	Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.
Other National regulations:	Not applicable

15.2. Chemical safety assessment

Not required

No chemical safety assessment has been carried out

SECTION 16: Other information

HMIS® ratings	Health: 0
	Flammability: 1
	Physical hazard: 0
NFPA ratings	Health: 0
	Flammability: 1
	Instability: 0

Safety Data Sheet (SDS), EU – Landu

This information 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 therefore be construed as guaranteeing any specific property of the product.