

MSDS TEST REPORT

Applicant:	Shenzhen Elegoo Technology Co.,Ltd
Address:	101,No.30,Dahe Industrial Zone,Guancheng Community,Guanhu Street,Longhua District,Shenzhen
Manufacturer:	Shenzhen Elegoo Technology Co.,Ltd
Address:	101,No.30,Dahe Industrial Zone,Guancheng Community,Guanhu Street,Longhua District,Shenzhen
Product:	3D printer filament PETG-GF
Main Model:	3DF-PGGxx(PGG represents PETG-GF, xx represents any suffix)
Addition Model:	3DF-PGGxx(PGG represents PETG-GF, xx represents any suffix)
Test date:	Aug 03-07,2025
Issue date:	Aug 07,2025
Test by:	Jesse Fu 
Reviewed by:	Jason Zhang



Shenzhen C-Star Test Co., Ltd.

1302, Fucheng Science and Technology Innovation Building, No. 9-1 Fuhua Road, Fumin Community,
Fucheng Street, Longhua District, Shenzhen City, Guangdong Province, 518000 China

Tel.: 0755-36817909, Email: Info@c-star.info

www.c-star.vip

1. Identification of substance/preparation and company/undertaking

Identification of substance or preparation

Product name: 3D printer filament PETG-GF

Main Model: 3DF-PGGxx(PGG represents PETG-GF, xx represents any suffix)

BRAND NAME: Elegoo

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

Manufacturer: Shenzhen Elegoo Technology Co.,Ltd

Address:101,No.30,Dahe Industrial Zone,Guancheng Community,Guanhu Street,Longhua District,Shenzhen

Telephone: 15218823045

E-mail: weilun.huang@elegoo.com

2. Hazards identification

In accordance with Regulation (EC) No. 1272/2008, (European REACH) Regulation (EC) No.1907/2006 Annex II and its amending Regulation (EU) 2020/878, the sample is not divided into dangerous article.

2.1. Emergency overview

This product is not classified as hazardous according to the GHS (The Globally Harmonized System of Classification and Labeling of Chemicals).

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to CLP Regulation.

Hazard pictograms

Hazard-determining components of labelling:

Hazard statements

Not Applicable

Precautionary statements (CLP):

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- P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children. .
 P103 Read label before use.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 P331 Do NOT induce vomiting.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

Not Applicable

3. Composition/information on ingredients

Chemical characterization: Mixture

Chemical Composition	CAS No.	Weight(%)
2-Phenylethyl-beta-D-thiogalactoside	63407-54-5	≥91
Glass fiber	65997-17-3	≤9

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4. First-aid measures

Inhalation: Not Applicable

Ingestion: Get medical aid.

Skin contact: Not Applicable

Eye contact: Not Applicable

5. Fire-fighting measures

Extinguishing Media: Hydrocarbon surfactant, CO₂.

Hazardous Combustion Products: No.

6. Accidental release measures

Personal precautions: Not Applicable

Processing method: Not Applicable

7. Handling and storage

Handling: Avoid contact with fire. should not be opened, destroyed or incinerate, Do not immerse in liquids.

Storage: Store in a cool, dry place, prevent product insolation, rain, keep away from kindling, heat source.

Storage area has leak emergency handling equipment

Do not place near heating equipment, nor expose to direct sunlight for long periods.

Other Precautions: Not Applicable

8. Exposure controls/personal protection

8.1 Control parameters

Use local exhaust ventilation or other engineering controls to control sources of dust, mist, fumes and vapor.

Keep away from heat and open flame. Store in a Cool, dry place.

8.2 Exposure controls

Based on composition shown in Section 3, the following measures are suggested for occupational safety measure:

Appropriate engineering controls:

Keep away from foodstuffs, beverages and feed.

Skin Protection: gloves, coveralls. Wash hands before breaks and at the end of work.

Eye Protection: Tightly sealed goggles.

Respiratory Protection: Suitable respiratory protective device recommended.

Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation.

9. Physical and chemical properties

Information on basic physical and chemical properties

Color: White

Physical State: solid

Odour: Odorless

10. Stability and reactivity

Stability: The product is stable. Under normal conditions of storage and use hazardous Polymerization will not occur.

Conditions to avoid: Incineration, percussion, crushing, disassembly, prolonged exposure to moisture.

Hazardous decomposition: Carbon monoxide, carbon dioxide, lithium oxide fumes.

11. Toxicological information

Irritation: None

Acute toxicity: None

Reproductive/development toxicity: None

12. Ecological information

Mobility: Not Applicable

Ecological Toxicity: Not Applicable

Persistence and Degradability: Not Applicable

13. Disposal considerations

Product disposal: Observe local, state and federal laws and regulations

Container disposal: Not Applicable

Packaging disposal recommendation:

Waste disposal should be in accordance with existing federal, state and local environmental regulations.

14. Transport information

The consignment is not classified as dangerous under the 65th edition of the IATA dangerous goods regulations and all applicable carrier and governmental regulations.

Transportation: Before shipping containers should check is complete, seal, transport process to ensure that the container does not leak, did not fall, do not fall, no damage.

Finished product transported by ground (DOT): Non-hazardous

Finished product transported by vessel (IMDG): Non-hazardous

Finished product transported by air (IATA): Non-hazardous

14.1 UN number

Not Applicable

14.2 UN proper shipping name

Not Applicable

14.3 Transport hazard class(es) : 9

14.4 Packaging group

Not applicable.

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for user

No further relevant information available

Transportation precautions: The packaging shall be adequate to avoid mechanical damage during transport, handling and stacking. The materials and pack design shall be chosen so as to prevent the ingress of moisture. The package must be handled with care.

15. Regulatory information

Regulatory Information:

Not applicable

16. Other information

The information above is believed to be accurate and represents the best information currently available to us. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. It does not and cannot advise on all possible situations, therefore, your specific use of this product should be evaluated to determine if additional precautions are required.

---End of Report---

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