

MSDS 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-CF
Main Model:	3DF-PGCxx(PGC represents PETG-CF, xx represents any suffix)
Addition Model:	3DF-PGCxx(PGC represents PETG-CF, xx represents any suffix)
Test date:	Aug 03-08, 2025
Issue date:	Aug 08, 2025
Test by:	 
Reviewed by:	



1. Identification of substance/preparation and company/undertaking

Identification of substance or preparation

Product name: 3D printer filament PETG-CF

Main Model: 3DF-PGCxx(PGC represents PETG-CF, 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

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2. Hazards identification

In accordance with Regulation (EC) No.1272/2008 [CLP], (European REACH) Regulation (EC) No.1907/2006 Annex II and its amending Regulation (EU) 2020/878, the sample is not classified as a 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)

Label elements:

Labelling according to Regulation(EC) No 1272/2008

The product is classified and labelled according to CLP Regulation.

2.2 Information concerning particular hazards for human and environment:

The product is not classified according to OSHA Hazard Communication Standard(29 CFR1910.1200)

2.3 Label elements according to OSHA Hazard Communication Standard (29 CFR 1910.1200)

Hazard pictograms : NA

Hazard statements : NA

Precautionary statements (CLP) :

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.

Hazards not otherwise classified (HNOC)

2.4 Other hazards

Not Applicable

3. Composition/information on ingredients

Chemical characterization: Mixture

NO.	Chemical Composition	CSA No.	Weight(%)
1	2-Phenylethyl-beta-D-thiogalactoside	63407-54-5	≥95
2	Assistant agent	-	≤5

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 .

Combustion Products: No.

6. Accidental release measures

Personal precautions: Not Applicable.

Processing method: Not Applicable

7. Handling and storage**Handling:**

Avoid contact with eyes. Avoid inhalation of vapour or mist. Take measures to prevent the build up of electrostatic charge. Supply with sufficient partial air exhaust. It is advised that the staff wear respirator, wear work clothes, and wear gloves. Keep away from sources of ignition-No smoking. Use explosion-proof type ventilation system and device. Avoid contacting with oxidizer and strong acid. Equip with relevant types and quantities of extinguishing instruments and device for divulgence handling. Empty the container which may include harmful material.

Storage:

Store in a cool, dry place, prevent product insolation, rain, keep away from kindling, heat source. Storage area has leak emergency handling equipment and suitable reception materials. Storage preferably in cool, dry and ventilated area, which is subject to little temperature change. Storage at high temperatures should be avoided. Do not expose to direct sunlight for long periods.

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: Black

Appearance: solid

Odour: Odorless

10. Stability and reactivity

Stability: Stable. Under normal conditions of storage and use hazardous Polymerization will not occur.

Reactivity: NA

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

Materials to Avoid: NA

Decomposition Products: Carbon monoxide, carbon dioxide, lithium oxide fumes.

Possibility of Hazardous Reactions : NA

11. Toxicological information

Irritation: None

Acute toxicity: None

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

The product is not subject to classification according to internally approved calculation methods for preparations.

Carcinogenic categories: None

NTP(National Toxicology Program) None of the ingredients listed.

OSHA-Ca (Occupational safety & Health Administration)None of the ingredients listed.

Signs and symptoms of exposure:

To the best of our knowledge, the chemical, physical and toxicological properties have not been fully studied.

12. Ecological information**12.1 Ecotoxicity**

Not Applicable

12.2 Persistence and degradability

Not Applicable

12.3 Bioaccumulative potential

Not Applicable

12.4 Mobility in soil

Not Applicable

12.5 Results of PBT and vPvB evaluation

The substance/mixture does not contain ingredients considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at 0.1% or higher.

12.6 Other adverse effects

Not Applicable

13. Disposal considerations

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

Container disposal: Not Applicable

Packaging disposal recommendation:

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

Dispose of excess and non-recyclable solutions to a licensed company. Dissolve or mix with flammable solvents and burn contaminated containers and packaging in a chemical incinerator equipped for post-combustion treatment and scrubbing.

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: None

14.2 UN proper shipping name: None

14.3 Transport hazard class(es): 9

14.4 Packaging group: None

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:

The resin system components listed in the hazardous waste substances list of country(HW13

《Dangerous Goods Regulation》

《Recommendations on the Transports of Dangerous Goods Model Regulations》

《International Maritime Dangerous Goods》 (IMDG)

《Technical instructions for the Safe Transport of Dangerous Goods》

《Classification and code of dangerous goods》

《Occupational Safety and Health Act》 (OSHA)

《Toxic Substances Control Act》 (TSCA)

《Consumer Product Safety Act》 (CPSA)

《Federal Environmental Pollution Control Act》 (FEPCA)

《The Oil Pollution Act》 (OPA)

《Superfund Amendments and Reauthorization Act Title III(302/311/312/313)》 (SARA)

《Resource Conservation and Recovery Act》 (RCRA)

《Safety Drinking Water Act》

《California Proposition 65 》

《Code of Federal Regulations》 (CFR)

In accordance with all Federal, State and Local laws- National Hazardous Waste List

GHS -Globally harmonized system of classification and labeling of chemicals, third revised edition.Transport of dangerous goods, sixteenth revised editionISO 11014-2009 Safety data sheet for chemical products - Content and order of sections.The International Maritime Dangerous Goods (IMDG) Code.the Air transport ICAO-TI and IATA-DGR 64nd

Regulatory Information:

Chemical Dangerous Goods Safety Management Regulations, Implementing Rules hazardous chemicals safety management regulations, workplace safe use of chemicals and other regulations have been properly for safe use of hazardous chemicals, production, storage, transport, handling, etc. regulations.

In according with all Federal, State and local laws.

16. Other information

The information above is believed to be accurate and represents the best information currently available to us. However, concord makes no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use.

Users should make their own investigations to determine the suitability of the information for their particular purposes. Although reasonable precautions have been taken in the preparation of the data contained herein, it is offered solely for your information, consideration and investigation. This material safety data sheet provides guidelines for the safe handling and use of this product; 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 ---

