

**Safety Data Sheet**  
**According to Hazard Communication Standard (29 CFR 1910.1200)**

PolyCore PETG-1211

Version 1.0

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SDS record number: C5SS-TCO-011-145475

## 1. Product and Company Identification

<b>Material name</b>	PolyCore PETG-1211
<b>CAS #</b>	Not available.
<b>Product code</b>	-
<b>Product use</b>	3D printing pellets.
<b>Manufacturer/Supplier</b>	
<b>Supplier(Manufacturer):</b>	JF Polymers (Suzhou) Co., Ltd.
<b>Address:</b>	No. 7-1, Xinggang Road, Changshu Economic Development Zone (CEDZ), Changshu, Jiangsu Province 215513, China
<b>Contact person(E-mail):</b>	zhenxing.miao@polymaker.com
<b>Telephone:</b>	+86-512-52058005
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<b>Emergency telephone Number:</b>	+86-512-52058005

## 2. Hazards identification

### GHS classification

<b>Physical hazards</b>	Not classified	
<b>Health hazards</b>	Carcinogenicity	Category 1B
	Toxic to reproduction	Category 1B
	Specific target organ toxicity (repeated exposure)	Category 1
<b>Environmental hazards</b>	Not classified	

### GHS label elements

#### Hazard Pictograms



#### Signal word

Danger

#### Hazard statement

May cause cancer (Inhalation)  
May damage fertility.  
Causes damage to organs < heart, white blood cells, lymphoid organs, gastro-intestinal tract, kidneys > through prolonged or repeated exposure

### Precautionary statement

#### Prevention

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Do not breathe dust/fume/gas/mist/vapours/spray.  
Wash hands thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Wear protective gloves/protective clothing/eye protection/face protection.

#### Response

IF exposed or concerned: Get medical advice/attention.  
Get medical advice/attention if you feel unwell.

#### Storage

Store locked up.

#### Disposal

Dispose of contents/container in accordance with

local/regional/national/international regulations.

**Other hazards**

Not available.

### 3. Composition / Information on Ingredients

Components	CAS#	Percent
Glass Fiber	65997-17-3	<15%
Soda lime borosilicate glass	65997-17-3	<0.5%

### 4. First Aid Measures

**First aid procedures**

**Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. In the case of difficulty of opening the lids, administer an analgesic eye wash (oxybuprocaine). Call a physician or poison control center.

**Skin contact**

Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water. Keep warm and in a quiet place. Wash contaminated clothing before re-use.

**Inhalation**

Move to fresh air. Oxygen or artificial respiration if needed. Victim to lie down in the recovery position, cover and keep him warm. Call a physician immediately.

**Ingestion**

Call a physician or poison control centre immediately. Take victim immediately to hospital. If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Artificial respiration and/or oxygen may be necessary.

**Notes to physician**

Treat symptoms.

### 5. Fire Fighting Measure

**Flammable properties**

Non-flammable

**Extinguishing media**

**Suitable extinguishing media**

Dry chemical, alcohol resistant foam or carbon dioxide, water spray.

**Unsuitable extinguishing media**

Water with full jet.

**Firefighting equipment/instructions**

Wear self contained breathing apparatus for fire fighting if necessary.

**Hazardous combustion products**

Emits toxic fumes under fire conditions.

### 6. Accidental Release Measures

**Personal precautions**

Avoid dust formation.

**Environmental precautions**

Do not let product enter drains.

**Methods for cleaning up**

Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Keep in properly labelled containers. Keep in suitable, closed containers for disposal.

### 7. Handling and Storage

**Handling**

Provide appropriate exhaust ventilation at places where dust is formed.

**Storage**

Store in original container. Keep in a well-ventilated place. Keep in a dry place. Keep in properly labelled containers. Keep container closed. Avoid dust formation. Keep away from incompatible products.

### 8. Exposure Controls / Personal Protection

**Occupational exposure limits**

This product has no PEL, TLV, or other recommended exposure limit.

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls:**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Individual protection measures, such as personal protective equipment:

<b>Eye / face protection</b>	Chemical resistant goggles must be worn.
<b>Skin protection</b>	Wear suitable working clothing.
<b>Respiratory protection</b>	Suitable respiratory protective device recommended.
<b>General hygiene considerations</b>	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.

### 9. Physical & Chemical Properties

#### Appearance

<b>Physical state</b>	Solid
<b>Form</b>	Solid
<b>Color</b>	Light yellow
<b>Odor</b>	Odorless
<b>Odor threshold</b>	Not available
<b>pH</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Boiling point</b>	Not available
<b>Melting point/Freezing point</b>	Not available
<b>Solubility (water)</b>	Not available
<b>Relative Density</b>	1.3
<b>Flash point</b>	Not available
<b>Partition coefficient</b>	Not available
<b>Flammability limits in air, upper, %by volume</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>VOC</b>	Not available
<b>Percent volatile</b>	Not available
<b>Molecular Formula</b>	Not available
<b>Molecular Weight</b>	Not available
<b>Other data</b>	
<b>Viscosity</b>	Not available
<b>Dissociation constant</b>	Not available

### 10. Chemical Stability & Reactivity Information

<b>Reactivity</b>	The substance is stable under normal storage and handling conditions.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Conditions to avoid</b>	Incompatible materials.
<b>Incompatible materials</b>	Strong acids, strong bases and strong oxidants.
<b>Hazardous decomposition products</b>	Carbon oxides.
<b>Possibility of hazardous reactions</b>	No hazardous reactions known.

### 11. Toxicological Information

#### Toxicokinetics, metabolism and distribution:

<b>Non-human toxicological data:</b>	Not available
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#### Information on toxicological effects:

##### Acute toxicity:

<b>LD50(Oral, Rat):</b>	Not available
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<b>LD50(Dermal, Rabbit):</b>	Not available
<b>LC50(Inhalation, Rat):</b>	Not available
<b>Skin corrosion/Irritation:</b>	Not classified
<b>Serious eye damage/irritation:</b>	Not classified
<b>Respiratory or skin sensitization:</b>	Not classified
<b>Germ cell mutagenicity:</b>	Not classified
<b>Carcinogenicity:</b>	May cause cancer (Inhalation).
<b>Reproductive toxicity:</b>	May damage fertility.
<b>STOT- single exposure:</b>	Not classified
<b>STOT-repeated exposure:</b>	Causes damage to organs < heart, white blood cells, lymphoid organs, gastro-intestinal tract, kidneys > through prolonged or repeated exposure.
<b>Aspiration hazard:</b>	Not classified

## 12. Ecological Information

### Toxicity:

#### Glass Fiber (CAS: 65997-17-3)

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	> 1 000 mg/L	96h	Fish	OECD 203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
EC50	> 1 000 mg/L	72h	Algae	OECD 201	N/A	N/A

<b>Persistence and degradability:</b>	Not available.
<b>Bioaccumulative potential:</b>	Not available.
<b>Mobility in soil:</b>	Not available.
<b>Results of PBT&amp;vPvB assessment:</b>	Not available.
<b>Other adverse effects:</b>	Not available.

## 13. Disposal Considerations

<b>Disposal instructions</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. Transport Information

### DOT

<b>Basic shipping requirements:</b>	
<b>UN number</b>	Not regulated
<b>Proper shipping name</b>	Not regulated
<b>Hazard class</b>	Not regulated
<b>Packing group</b>	Not regulated
<b>Environmental hazards</b>	No

### IATA

<b>UN number</b>	Not regulated
<b>UN proper shipping name</b>	Not regulated
<b>Transport hazard class(es)</b>	Not regulated
<b>Packing group</b>	Not regulated
<b>Environmental hazards</b>	No

### IMDG

<b>UN number</b>	Not regulated
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<b>UN proper shipping name</b>	Not regulated
<b>Transport hazard class(es)</b>	Not regulated
<b>Packing group</b>	Not regulated
<b>Environmental hazards</b>	No

## 15. Regulatory Information

### US federal regulations

#### Toxic Substances Control Act (TSCA)

##### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

#### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

#### SARA 304 Emergency release notification

Not regulated.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### SARA 302 Extremely hazardous substance

Not listed.

#### SARA 311/312 Hazardous chemical

No

#### SARA 313 (TRI reporting)

Not regulated.

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

#### Safe Drinking Water Act (SDWA)

Not regulated.

## 16. Other Information

### HMIS® ratings

Health: 4

Flammability: 1

Physical hazard: 0

### NFPA ratings

Health: 4

Flammability: 1

Instability: 0

### Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.

### Issue date

11-06-2023

