

Version 1.0

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SDS record number: CSSH-TCO-010-130554

**1. Identification**

Product name	PolyMax™ PETG
Synonyms	-
CAS #	See section 3
Product code	-
Product use	3D Printing Filament
Manufacturer/Supplier	
Supplier(Manufacturer):	JF Polymers (Suzhou) Co., Ltd.
Address:	Haicheng Industrial Park, Bldg 7, Changshu Economic Development Zone (CEDZ), Changshu, Jiangsu Province 215513, China
Contact person(E-mail):	zhenggang.cai@polymaker.com
Telephone:	+86-512-52058005
Fax:	-
Emergency telephone Number:	+86-512-52058005

**2. Hazard(s) identification****GHS classification**

Physical hazards	Not classified
Health hazards	Not classified
Environmental hazards	Not classified

**GHS label elements**

Hazard Pictograms	No hazard pictogram is used.
Signal word	No signal word is used.
Hazard statement	Not applicable.

**Precautionary statement**

Prevention	Not applicable.
Response	Not applicable.
Storage	Not applicable.
Disposal	Not applicable.

**3. Composition / information on ingredients**

Components	CAS#	Percent
Polycarbonate	N/A	> 80%

**4. First-aid Measures****First aid procedures**

Eye contact	Flush with running water for at least 15 minutes. If irritation persists get medical attention.
Skin contact	Wash thoroughly with soap and water. Get medical attention in the unlikely event that irritation persists.
Inhalation	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.
Ingestion	Immediate first aid is not likely to be required. A physician or poison control center

Notes to physician	can be contacted for advice. Treat symptoms.
<b>5. Fire-fighting measures</b>	
Flammable properties	Not available.
Extinguishing media	
Suitable extinguishing media	Use extinguishing agents appropriate for surrounding fire.
Unsuitable extinguishing media	Not available.
Firefighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. According to size of fire Full protection, if necessary. Dispose of contaminated extinction water according to official regulations.
Hazardous combustion products	Oxides of carbon.
<b>6. Accidental release measures</b>	
Personal precautions	Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Avoid contact with skin and eyes. For personal protection see section 8.
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.
<b>7. Handling and storage</b>	
Handling	Ensure good ventilation/exhaustion at the workplace. Wash thoroughly after handling.
Storage	Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
<b>8. Exposure controls / personal protection</b>	
Occupational exposure limits	This mixture has no ingredients that have PEL, TLV, or other recommended exposure limit.
Biological limit values	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls:	Use in a well-ventilated area.
Individual protection measures, such as personal protective equipment:	
Eye / face protection	Chemical safety goggles.
Skin protection	Wear suitable protective clothing to prevent skin exposure
Respiratory protection	Suitable respiratory protective device recommended.
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. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing.
<b>9. Physical and chemical properties</b>	
Appearance	
Physical state	Solid
Form	Solid
Color	Milky
Odor	Not available
Odor threshold	Not available

<b>pH</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Melting point/Freezing point</b>	220 °C
<b>initial boiling point and boiling range</b>	Not available
<b>Flash point</b>	Not available
<b>Evaporation rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not available
<b>Explosion limits</b>	Not available
<b>Vapor density</b>	Not available
<b>Density</b>	1.20
<b>Solubility (water)</b>	Insoluble
<b>Partition coefficient</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available
<b>Specific gravity</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>VOC</b>	Not available
<b>Percent volatile</b>	Not available
<b>Other data</b>	
<b>Viscosity</b>	Not available
<b>Upper/lower explosive limits</b>	Not available
<b>Surface tension</b>	Not available

## 10. Stability and reactivity

<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Conditions to avoid</b>	Incompatible materials.
<b>Incompatible materials</b>	Avoid contact with other chemicals, oxidizing agents, strong alkalis and strong acids.
<b>Hazardous decomposition products</b>	Oxides of carbon and other toxic fumes.
<b>Possibility of hazardous reactions</b>	No dangerous 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
<b>LD50(Dermal, Rat):</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>	Not classified
<b>Reproductive toxicity:</b>	Not classified
<b>STOT- single exposure:</b>	Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: Not classified

## 12. Ecological information

### Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
EC50	N/A	72h	Fish	OECD 203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability: Not available.

Bioaccumulative potential: Not available.

Mobility in soil: Not available.

Results of PBT&vPvB assessment: Not available.

Other adverse effects: No known significant effects or critical hazards.

## 13. Disposal considerations

**Disposal instructions** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

### DOT

#### Basic shipping requirements:

**UN number** Not regulated

**Proper shipping name** Not regulated

**Hazard class** Not regulated

**Packing group** Not regulated

**Environmental hazards** No

### IATA

**UN number** Not regulated

**UN proper shipping name** Not regulated

**Transport hazard class(es)** Not regulated

**Packing group** Not regulated

**Environmental hazards** No

### IMDG

**UN number** Not regulated

**UN proper shipping name** Not regulated

**Transport hazard class(es)** Not regulated

**Packing group** Not regulated

**Environmental hazards** 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 1910.1001-1052)**

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, including date of preparation or last revision**

**HMIS® ratings**

Health: 0

Flammability: 1

Physical hazard: 0

**NFPA ratings**

Health: 0

Flammability: 1

Instability: 0

**Disclaimer**

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

**Issue date**

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Author: Hangzhou C&K Testing Technic Co.,Ltd Website: [www.cirs-ck.com](http://www.cirs-ck.com) Tel:0571-86900715 Email: [test@cirs-group.com](mailto:test@cirs-group.com)

