

# Safety Data Sheet

According to Hazard Communication Standard (29 CFR 1910.1200)

PolyMax™ PETG-ESD

Version 1.0

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SDS record number: CSSS-TCO-010-143403

## 1. Product and Company Identification

Material name	PolyMax™ PETG-ESD
CAS #	See section 3
Product code	-
Product use	3D printing filaments.
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):	zhenxing.miao@polymaker.com
Telephone:	+86-512-52058005
Fax:	+86-512-52096516
Emergency telephone Number:	+86-512-52058005

## 2. Hazards 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.
Other hazards	Not available.

## 3. Composition / Information on Ingredients

Components	CAS#	Percent
Multi-wall carbon nanotubes	308068-56-6	3-9%

## 4. First Aid Measures

### First aid procedures

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

**Ingestion**

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

**Notes to physician**

Treat symptoms.

**5. Fire Fighting Measure****Flammable properties**

Not available.

**Extinguishing media****Suitable extinguishing media**

Use extinguishers suitable for surrounding fire.

**Unsuitable extinguishing media**

Not available.

**Firefighting equipment/instructions**

Wear self contained breathing apparatus for fire fighting if necessary.

**Hazardous combustion products**

Carbon oxides.

**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.

**7. Handling and Storage****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.

**8. Exposure Controls / Personal Protection****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:**

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:****Eye / face protection**

No special protection required.

**Skin protection**

No special protection required. Wear gloves if necessary.

**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.

**9. Physical & Chemical Properties****Appearance****Physical state**

Solid

**Form**

Solid

**Color**

Various

**Odor**

Odorless

**Odor threshold**

Not available

**pH**

Not available

**Vapor pressure**

Not available

**Vapor density**

Not available

**Boiling point**

220°C

**Melting point/Freezing point**

Not available

<b>Solubility (water)</b>	Insoluble
<b>Relative Density</b>	1.20
<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 oxidizing agents.
<b>Hazardous decomposition products</b>	Carbon oxides.
<b>Possibility of hazardous reactions</b>	No hazardous reactions known.

## 11. Toxicological Information

### Toxicokinetics, metabolism and distribution:

Non-human toxicological data: Not available

### Information on toxicological effects:

#### Acute toxicity:

<b>LD50(Oral, Rat):</b>	Not available
<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>	Not classified
<b>Reproductive toxicity:</b>	Not classified
<b>STOT- single exposure:</b>	Not classified
<b>STOT-repeated exposure:</b>	Not classified
<b>Aspiration hazard:</b>	Not classified

## 12. Ecological Information

### Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	96h	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.

<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

##### Basic shipping requirements:

<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
<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 listed.

#### 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.

#### US state regulations

##### California Proposition 65

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

Multi-wall carbon nanotubes (CAS 308068-56-6)

## 16. Other Information

#### 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.

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Author: Hangzhou C&K Testing Technic Co.,Ltd Website:[www.cirs-ck.com](http://www.cirs-ck.com) Tel:0571-89900715 Email:[test@cirs-group.com](mailto:test@cirs-group.com)

