

# SAFETY DATA SHEET

**According to Model Work Health and Safety Regulations and National Model Code of Practice for the preparation of Safety Data Sheets for Hazardous Chemicals**

Version 1.0

Issue date: 28-03-2025

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SDS Record Number: CSSS-TCO-010-167252

## Section 1—Identification

**Product identifier** Fiberon™ PPS-GF20  
**Other means of identification** -  
**Recommended use** 3D printing materials  
**Restrictions on use** -  
**Details of manufacturer or importer**  
**Supplier(Manufacturer):** JF Polymers(Suzhou) Co., Ltd.  
**Address:** No. 7-1 Xinggang East Road, Changshu City, Jiangsu Province, China.  
**Contact person(E-mail):** Support@polymaker.com  
**Telephone:** +86-512-42058005  
**Fax:** +86-512-52096516  
**Emergency number:** -  
**Importer**  
**Company name:**  
**Address:**  
**Contact person(E-mail):**  
**Telephone:**  
**Fax:**  
**Emergency number:**

## Section 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.  
**Other hazards which do not result in classification:** Not applicable.

## Section 3—Composition and information on ingredients

Components	CAS No.	Percent (%)
Polyphenylene sulfide	26125-40-6	70%~80%

Material name: Fiberon™ PPS-GF20

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Glass	65997-17-3	20%
Polyester Elastomer	-	0%~10%

## Section 4—First aid measures

### Description of necessary first aid measures

<b>Inhalation:</b>	Remove person to fresh air and keep comfortable for breathing.
<b>Skin:</b>	Wash skin with plenty of water.
<b>Eye:</b>	Rinse eyes with water as a precaution.
<b>Ingestion:</b>	Call a poison center or a doctor if you feel unwell.
<b>Symptoms caused by exposure</b>	None under normal conditions.
<b>Medical Attention and Special Treatment</b>	Treat symptomatically.

## Section 5—Firefighting measures

<b>Suitable extinguishing media:</b>	Water spray. Dry powder. Foam.
<b>Extinguishing media which must not be used for safety reasons:</b>	Do not use a heavy water stream.
<b>Specific hazards arising from the chemical</b>	In case of fire, the following can be released: carbon oxides.
<b>Special protective equipment and precautions for firefighters</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
<b>HAZCHEM code</b>	None.

## Section 6—Accidental release measures

<b>Personal precautions:</b>	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Ventilate the area. Wear suitable protective clothing.
<b>Containment procedures:</b>	Should not be released into the environment. Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.
<b>Methods for cleaning up:</b>	Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Keep in properly labelled containers. Keep in suitable, closed containers for disposal.

## Section 7—Handling and storage

<b>Precautions for safe handling:</b>	Avoid contact with skin and eyes. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge. Do not eat, drink and smoke in work areas. Ensure good ventilation of the work station.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in original container. Keep in a well-ventilated place. Keep in a dry place. Keep in properly labelled containers. Keep container closed.

## Section 8—Exposure controls and personal protection

<b>Control parameters</b>	
<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values:</b>	No biological exposure limits noted for the ingredient(s).
<b>Appropriate engineering controls:</b>	Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
<b>Personal protective equipment:</b>	
<b>Eye and face protection</b>	Safety glasses.
<b>Skin protection</b>	Wear protective clothing.

<b>Hand protection</b>	Protective gloves.
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Thermal hazards</b>	Wear suitable protective workwear to prevent from thermal hazards.

## Section 9—Physical and chemical properties

### Appearance:

<b>Physical state:</b>	Solid
<b>Form:</b>	Solid
<b>Color:</b>	Grey
<b>Odor:</b>	Odourless
<b>Odour threshold:</b>	Not available
<b>PH:</b>	Not available
<b>Melting point/Freezing point:</b>	Not available
<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>	Non flammable.
<b>Upper/lower flammability or explosive limits:</b>	Not available
<b>Vapor pressure:</b>	Not available
<b>Vapor density:</b>	Not available
<b>Relative density:</b>	1.35
<b>Bulk density:</b>	Not available
<b>Solubility (H<sub>2</sub>O) :</b>	Not available
<b>Partition coefficient (n-octanol/water) :</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Viscosity, dynamic:</b>	Not available
<b>Organic solvents:</b>	Not available
<b>Water:</b>	Not available
<b>VOC (EC) :</b>	Not available
<b>Solids contents:</b>	Not available
<b>Molecular Formula:</b>	Not available
<b>Molecular Weight:</b>	Not available
<b>Particle size:</b>	Not available

## Section 10—Stability and reactivity

<b>Reactivity:</b>	The substance is stable under normal storage and handling conditions.
<b>Chemical stability:</b>	Stable at room temperature in closed containers under normal storage and handling conditions.
<b>Possibility of hazardous reactions:</b>	No dangerous reactions known.
<b>Conditions to avoid:</b>	Incompatible materials.
<b>Incompatible materials:</b>	Strong oxidizing agents.
<b>Hazardous decomposition products:</b>	Carbon monoxide, carbon dioxide.

## Section 11—Toxicological information

### Toxicological data:

<b>Acute toxicity:</b>	
<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>	No data available.
<b>Serious eye damage/irritation:</b>	No data available.
<b>Respiratory or skin sensitization:</b>	No data available.
<b>Germ cell mutagenicity:</b>	No data available.
<b>Carcinogenicity:</b>	No data available.
<b>Reproductive toxicity:</b>	No data available.
<b>STOT- single exposure:</b>	No data available.
<b>STOT-repeated exposure:</b>	No data available.
<b>Aspiration hazard:</b>	No data available.
<b>Other information</b>	This product has no known adverse effect on human health.
<b>Information on routes of exposure</b>	No data available.
<b>Symptoms related to exposure</b>	No data available.
<b>Numerical measures of toxicity</b>	No data available.
<b>Immediate, delayed and chronic health effects from exposure</b>	No data available.

## Section 12—Ecological information

### Ecotoxicity:

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

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	> 1000 mg/l	96h	Fish	OECD 203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
EC50	> 1000 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>Other adverse effects:</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## Section 13—Disposal considerations

<b>Safe handling and disposal methods:</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
<b>Disposal of any contaminated packaging:</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).  Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## Section 14—Transport information

### ADG

<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>Labels required</b>	Not regulated
<b>Special precautions</b>	Read safety instructions, SDS and emergency procedures before handling.

## IATA

UN number	Not regulated
Proper shipping name	Not regulated
Hazard class	Not regulated
Packing group	Not regulated
Special precautions	Read safety instructions, SDS and emergency procedures before handling.

## IMDG

UN number	Not regulated
Proper shipping name	Not regulated
Hazard class	Not regulated
Packing group	Not regulated
Environmental hazards	
Marine pollutant	No
Special precautions	Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not regulated

MARPOL 73/78 and the IBC Code:

## Section 15—Regulatory information

### Safety, health and environmental regulations

#### National regulations

##### Australian Inventory of Industrial Chemicals (AIIC)

Polyphenylene sulfide (CAS 26125-40-6)	Listed
Glass (CAS 65997-17-3)	Listed
Polyester Elastomer (CAS -)	Not available

## Section 16—Any other relevant information

Indication of changes:	Version 1.0
Key abbreviations or acronyms used:	CAS: Chemical Abstracts Service LC50: Lethal Concentration 50 EC50: Concentration for 50% of maximal effect LD50: Lethal dose 50% MAC: maximum allowable concentration, (MAC) PC-TWA: permissible concentration-time weighted average PC-STEL: permissible concentration-short term exposure limit
Further information:	This information is based upon the present state of our knowledge. This MSDS has been compiled and is solely intended for this product.
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