



# Bilby 3D

## **MATERIAL DATA SAFETY SHEET**

Issued in Australia by Bilby 3D Pty Ltd.

The attached Material Data Safety Sheet has been prepared by the manufacturer outside Australia.

In accordance with Australia WHS regulations the following Australian contact details apply

### **Section 1: AUSTRALIAN COMPANY DETAILS**

In Australia the product is imported and distributed by:  
Bilby 3D Pty Ltd

Mailing Address :

Kingsgrove Business Centre, 7/192 Kingsgrove Rd, Kingsgrove NSW 2208

Head Office Address :

Kingsgrove Business Centre, 7/192 Kingsgrove Rd, Kingsgrove NSW 2208

Contact Phone: 1800 847 333

### **Section 2: AUSTRALIAN EMERGENCY CONTACT**

#### **Emergency Contact**

In the event of an emergency please contact:

Poisons Information Centre 24 hour Telephone Advice Line on 13 11 26

### **Section 3: AUSTRALIAN ISSUE DATA**

**Date of Issue** : 1 March 2020

Version 1.0

Issue date: 07/29/2019

Revision date: 07/29/2019

SDS record number: CSSS-TCO-010-132060

**1. Identification**

<b>Product name</b>	PolyCast™
<b>Synonyms</b>	-
<b>CAS #</b>	See section 3
<b>Product code</b>	-
<b>Product use</b>	3D Printing Filament
<b>Manufacturer/Supplier</b>	
<b>Supplier(Manufacturer):</b>	JF Polymers (Suzhou) Co., Ltd.
<b>Address:</b>	Building 6&7&11, No.2, Hai Cheng Road, Chang Shu Economic & Technological Development Zone, 215513, People's Republic of China
<b>Contact person(E-mail):</b>	zhenggang.cai@polymaker.com
<b>Telephone:</b>	+86-512-52058005
<b>Fax:</b>	-
<b>Emergency telephone Number:</b>	+86-512-52058005

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

<b>Physical hazards</b>	Not classified
<b>Health hazards</b>	Not classified
<b>Environmental hazards</b>	Not classified

**GHS label elements**

<b>Hazard Pictograms</b>	No hazard pictogram is used.
<b>Signal word</b>	No signal word is used.
<b>Hazard statement</b>	Not applicable.

**Precautionary statement**

<b>Prevention</b>	Not applicable.
<b>Response</b>	Not applicable.
<b>Storage</b>	Not applicable.
<b>Disposal</b>	Not applicable.

**3. Composition / information on ingredients**

This product does not contain hazardous ingredients above cut-off value according to HCS2012.

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

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

<b>Notes to physician</b>	Treat symptoms.
<b>5. Fire-fighting measures</b>	
<b>Flammable properties</b>	Not available.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Use water spray, alcohol resistant foam, dry powder or carbon dioxide to extinguish the fire.
<b>Unsuitable extinguishing media</b>	Avoid using DC water to extinguish fire, so as to avoid material splashes and fire spread.
<b>Firefighting equipment/instructions</b>	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.
<b>Hazardous combustion products</b>	Carbon oxides, nitrogen oxides.
<b>6. Accidental release measures</b>	
<b>Personal precautions</b>	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.
<b>Environmental precautions</b>	Avoid disposing into drainage/sewer system or directly into the aquatic environment.
<b>Methods for cleaning up</b>	Sweep up and shovel into suitable containers. Clean up affected area.
<b>7. Handling and storage</b>	
<b>Handling</b>	Ensure good ventilation/exhaustion at the workplace. Wash thoroughly after handling.
<b>Storage</b>	Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
<b>8. Exposure controls / personal protection</b>	
<b>Occupational exposure limits</b>	This mixture has no ingredients that have PEL, TLV, or other recommended exposure limit.
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Appropriate engineering controls:</b>	Use in a well-ventilated area.
<b>Individual protection measures, such as personal protective equipment:</b>	
<b>Eye / face protection</b>	Chemical safety goggles.
<b>Skin protection</b>	Wear suitable protective clothing to prevent skin exposure
<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. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing.
<b>9. Physical and chemical properties</b>	
<b>Appearance</b>	
<b>Physical state</b>	Solid
<b>Form</b>	Solid
<b>Color</b>	Translucent
<b>Odor</b>	Odorless

Odor threshold	Not available
pH	Not available
Vapor pressure	Not available
Melting point/Freezing point	Not available
initial boiling point and boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Explosion limits	Not available
Vapor density	Not available
Density	1.08-1.10
Solubility (water)	Insoluble
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Specific gravity	Not available
Flammability limits in air, upper, %by volume	Not available
Flammability limits in air, lower, % by volume	Not available
VOC	Not available
Percent volatile	Not available
Other data	
Viscosity	Not available
Upper/lower explosive limits	Not available
Surface tension	Not available

## 10. Stability and reactivity

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Incompatible materials.
Incompatible materials	Avoid contact with other chemicals, oxidizing agents, strong alkalis and strong acids.
Hazardous decomposition products	Carbon oxides, nitrogen oxides.
Possibility of hazardous reactions	No dangerous reactions known.

## 11. Toxicological information

### Toxicokinetics, metabolism and distribution:

Non-human toxicological data: Not available

### Information on toxicological effects:

#### Acute toxicity:

LD50(Oral, Rat):	Not available
LD50(Dermal, Rat):	Not available
LC50(Inhalation, Rat):	Not available
Skin corrosion/Irritation:	Not classified.
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified

STOT- single exposure: 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 1910.1001-1053)**

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, 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**    07-29-2019

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