

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

PolyCast™

Version 1.0 Issue date: 07/29/2019 Revision date: 07/29/2019

SDS record number: CSSS-TCO-010-132060

1. Identification	
Product name	PolyCast™
Synonyms	-
CAS #	See section 3
Product code	-
Product use	3D Printing Filament
Manufacturer/Supplier	
Supplier(Manufacturer):	JF Polymers (Suzhou) Co., Ltd.
Address:	Building 6&7&11, No.2, Hai Cheng Road, Chang Shu Economic & Technological
	Development Zone, 215513, People's Republic of 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

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

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
	can be contacted for advice.

Notes to physician	Treat symptoms.			
5. Fire-fighting measures				
Flammable properties	Not available.			
Extinguishing media				
Suitable extinguishing media	Use water spray, alcohol resistant foam, dry powder or carbon dioxide to			
	extinguish the fire.			
Unsuitable extinguishing media	Avoid using DC water to extinguish fire, so as to avoid material splashes and fire spread.			
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	Carbon oxides, nitrogen oxides.			
6. Accidental release measures				
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.			
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:	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	Wash hands, forearms and face thoroughly after handling chemical products,			
considerations	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.

9. Physical and chemical properties

AppearancePhysical stateSolidFormSolidColorTranslucentOdorOdorless

Odor threshold	Not available		
рН	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:

Results of PBT&vPvB assessment: Not available. Other adverse effects: No known significant effects or critical hazards. 13. Disposal considerations Dispose of contents/container in accordance local/regional/national/international regulations. Contaminated packaging Since emptied containers may retain product residue, follow label warr after container is emptied. 14. Transport information Since emptied containers may retain product residue, follow label warr after container is emptied. 14. Transport information Since emptied containers may retain product residue, follow label warr after container is emptied. 14. Transport information Not regulated Proper shipping name Not regulated Hazard class Not regulated Packing group Not regulated IMT UN number VN number Not regulated IMT Not regulated IMT Not regulated IMT Not regulated Packing group Not regulated IMT Not regulate	Toxicity:					1	1	Ţ1		
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CERCLA Hazardous Substance List (40 CI	FR 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	e
Not listed.	
SARA 311/312 Hazardous chemical	No
SARA 313 (TRI reporting)	
Not regulated.	
Other federal regulations	
Clean Air Act (CAA) Section 112 Hazardou	is Air Pollutants (HAPs) List
Not regulated.	
Clean Air Act (CAA) Section 112(r) Accide	ntal Release Prevention (40 CFR 68.130)
Not regulated.	
Safe Drinking Water Act (SDWA)	Not regulated.
16. Other information, including date of	of preparation or last revision
HMIS®ratings	Health: 0
C C	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
Author: Hangzhou C&K Testing Technic Co.,Ltd	Website:www.cirs-ck.com <u>Tel:0571-8990</u> 7715 Email:test@cirs-group.com
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