

MATERIAL SAFETY DATA SHEET

SECTION I: MATERIAL IDENTIFICATION

Product Name: FibreTuff PAPC Natural	Product Description: Cellulosic Fiber composite
Product Use: 3D Printing	Chemical Family: Cellulose fiber filled polypropylene
Synonyms: Plastic	Chemical Formula: Mixture

SECTION II: COMPOSITION / INFORMATION ON INGREDIENTS

The breakdown of components listed below is for informational purposes only. The finished pelletized product is composed of a dispersion of the non-polymer components encapsulated in polypropylene.

Chemical Name/Description	CAS #	Concentration (%)	OSHA
1. Polypropylene		18-25	Not regulated
2. Cellulosic Fiber		9-15	Total dust: 15 mg/m3 (particulate NOC)
3. Modified Polyamide	Proprietary	50-75	Not Determined

SECTION III: PHYSICAL DATA

Physical State: Solid	Appearance and Odor: Natural color		
Specific Gravity, (H ₂ O = 1): Not Determined	Melting Point: 161°C (322°F)	Boiling Point: Not Applicable	
Vapor Pressure at 23°C: Negligible	Percent Volatile by Volume: Negligible	Vapor Density, (air = 1): Not Applicable	
Evaporation Rate at 23°C: Not Applicable	Odor Threshold: Not Available		
Solubility in Water at 23°C: Insoluble	Coefficient of Oil / Water Distribution: Not Available	pH: Not Applicable	

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point (method used): N/A ()TCC ()TOC()COC()PMCC()Seta	Flammable Limits: LEL: N/A UEL: N/A	Ignition Temperature: N/A
Special Fire and Explosion Hazards: No unusual hazards, however, dust generated during handling and storage can form explosive mixtures with air. Combustion products may be hazardous.		
Extinguishing Media: CO ₂ , Dry Chemical Fog, Water Spray		
Special Fire fighting Procedures: Polypropylene is a slow burning plastic that generates a thick black smoke. Firefighters must wear self contained breathing apparatus. Garments for protection against thermal burns are recommended. Eye protection is strongly recommended.		

SECTION V: REACTIVITY DATA

Stability: (X) Stable () Unstable Conditions to Avoid: None Determined
Incompatibility (Materials to Avoid): Potassium Permanganate, Liquid Chlorine and other strong oxidizers.
Hazardous Decomposition Products: CO, CO ₂ , and Organic Oxidation Products
Hazardous Polymerization: (X) No () Yes Conditions to Avoid: N/A

SECTION VI: HEALTH HAZARD DATA

Route of Entry: Skin contact, eye contact, and inhalation.
Effects of Acute Exposure: This material has the potential to cause irritation to the mucus membranes of the eyes, nose, mouth, and lungs during certain uses or processes. Molten polymer may cause severe burns.

