

FibreTuff

PO Box 353211

Toledo, OH 43615

Emergency Telephone Number: (419) 346-8728

SAFETY DATA SHEET

SECTION I: MATERIAL IDENTIFICATION

Product Name: FibreTuff I Natural	Product Description: Cellulosic Fiber composite
Product Use: 3D printable / extrusion	Chemical Family: Cellulose fiber filled Polyamide and Polypropylene composition
Synonyms: Plastic	Chemical Formula: Mixture

SECTION II: HAZARD(S) IDENTIFICATION

Classification: Solid

Signal word: Warning this compound contains ingredients with unknown toxicity. Please note this is a total percentage of the mixture and not tied to the individual ingredients

SECTION III: COMPOSITION / INFORMATION ON INGREDIENTS

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

Chemical Name/Description	CAS #	Concentration (%)	OSHA
1. Polypropylene		15-20	Not regulated
2 Cellulosic Fiber		10-15	Total dust: 15 mg/m ³ (particulate NOC)
3. Modified Polyamide	Proprietary	75-80	Not Determined

SECTION IV: FIRST AID MEASURES

Emergency and First Aid Procedures: Some individuals with specific sensitivities may exhibit eye, nose, throat, or dermal irritation if overexposed to processing fumes. Eye irritation: Flush eyes thoroughly with clean, low-pressure water. If a loose pellet should get into eyes, treat as one would a foreign contaminant and seek medical attention. In case of ingestion, give lots of water and seek medical attention, product in marketed form has minimal toxicity. Skin irritation: wash affected areas with soap and water. Respiratory Irritation: Leave the exposure area and obtain fresh air. Provide appropriate protection before allowing re-entry. A physician should be contacted if irritation persists. Molten resin can cause severe thermal burns, cool quickly with water and seek immediate expert medical attention. Do not peel off solidified material.

SECTION V: FIRE FIGHTING MEASURES

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.

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.

Extinguishing Media: CO₂, Dry Chemical Fog, Water Spray

SECTION VI: ACCIDENTAL RELEASE MEASURES

Steps to Be Taken in Case Material Is Released Or Spilled: Use appropriate personal protection equipment. If released or spilled, sweep and place in labeled container. Loose pellets may present a slipping hazard, clean immediately. If spilled in water, advise proper authorities and prevent entry into sewer if possible. If public is likely to be affected, notify proper authorities.

Waste Disposal Method: Reprocessing, recycling, incineration, or landfill in accordance with Local, State, and Federal regulations.

EPA Hazard Substance Category X A B C D N/A
(40 CFR 116-117) 1 2 3 4 5 6

SECTION X: STABILITY AND REACTIVITY

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, CO₂, and Organic Oxidation Products

Hazardous Polymerization: (X) No () Yes

Conditions to Avoid: Do not leave material in extruder for extended period without operating at recommended processing temperatures. Offensive odors could be realized. Material can start to decompose at 265C

SECTION XI TOXICOLOGY INFORMATION

Toxicological and health effects data are not available. Ingredients used are not listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest editions) or found to be a potential carcinogen by OSHA

SECTION XII: ECOLOGICAL INFORMATION

SECTION XIII: DISPOSAL INFORMATION

SECTION XIII: TRANSPORTATION INFORMATION

DOT labeling information

Proper Shipping Name: FibreTuff

Hazard Classification: N/A

Labels(s) required: N/A

UN or NA Identification Number: N/A

RECRA Information ()

Hazardous Water Number(s): N/A

Hazard Code(s): N/A

SECTION XV: REGULATORY INFORMATION

The components of this product are either on the TSCA Inventory or exempt. All components in this product are listed on the Canadian Domestic Source List, DSL.

SECTION XIV: OTHER INFORMATION

The data in this Material Safety Data Sheet applies only to the specific material designated herein and does not relate to use in combination with any other material or process.

Information on this form is furnished solely for the purpose of compliance with OSHA's Hazardous Communication Standard, 29 CFR 1910.1200, and the Canadian Environmental Protection Act, 1999, and shall not be used for any other purpose.

Material Safety Data Sheet (Similar to OSHA form 174)

Date: June 11, 2019
