

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical Product Wood filament

MSDS No. 013ST115

Date 04.19.2017

2. INFORMATION ON INGREDIENTS

Chemical Name	PLA Resin	Wood Fiber	stabilizer
Content	≥84%	≤15%	≤1%
Formula	[—CH (CH₃) CO—]		

Impurities Contributing to Hazard None

3. HAZARDS IDENTIFICATION

Adverse Human Health Effects None

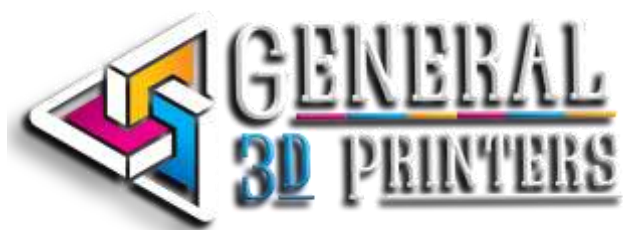
Environmental Effects None

Physical and Chemical Hazards None

Special Hazards None

4. FIRST AID MEASURES

Inhalation In case of gases evolving from molten resin, brings the affected person to fresh air. Call a physician immediately in case of discomfort.



Skin Contact In case of contact with molten material, immediately wash the skin with plenty of cold water. See a physician for removal of adhering material.

Eye Contact

If molten material contacts the eye, rinse immediately with plenty of water for at least 15 minutes. Call a physician immediately.

Ingestion Induce vomiting with medical advice. Rinse your mouth with water. Seek medical advice if discomfort occurs.

5. FIRE-FIGHTING MEASURES

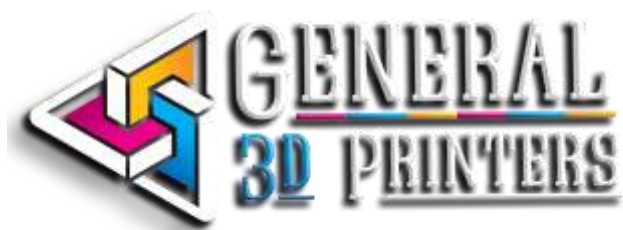
Extinguishing Media	Water, Foam, Dry chemical powder
Fire and Explosion Hazards	None
Special Fire-Fighting Procedure	Minimize dust generation and accumulation
Special Protective Equipment	Wear self-contained breathing apparatus and full protective clothing

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear appropriate personal protective equipment.
Environmental Precautions	Prevent entry into surface water or drainage systems.
Methods for Cleaning up	Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling	Prevent from fire around handling area. Maintain good housekeeping standards to prevent accumulation of dust. To avoid dust explosion resulting from the
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existence of powder, electrostatics eliminators and grounding should be fixed to such equipments as air transferring pipes, bag filters and hoppers. Use electrically conductive filters for bag filters.

Storage

Keep the material at a cool dry place. Protect from direct sunlight, rain and violent temperature fluctuation. Fire is inhibited around storage area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Threshold Limit Value

Not determined

Ventilation

Necessary to exclude dust, fumes and gases.

Personal Protection

Eye

Wear safety glasses for general purposes. Wear

Chemical Goggles for cleaning molding machine

Respiratory

Wear masks for cleaning molding machine.

Gloves

Necessary for handling molten resin.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Yellow filament

Density

1.10 -1.20 g/cm³

Melting Point

165-175 °C

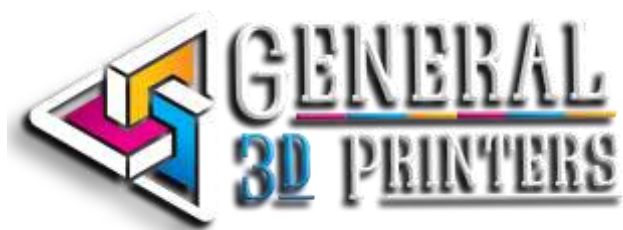
Melting Temperature

Solubility

Insoluble in water

10. STABILITY AND REACTIVITY

Chemical Stability



Stable under recommended storage conditions.

Reactivity

None expected under conditions of normal use.

**Thermal Decomposition
Gases**

CO.

11. TOXICOLOGICAL INFORMATION

Irritation

Fumes generated from decomposing resin may be irritant to eyes.

12. ECOLOGICAL INFORMATION

To avoid being taken by ocean species or birds, disposal of the waste to the ocean and water sources is inhibited.

13. DISPOSAL CONSIDERATIONS

Controlled incineration or landfill according to local, state or national laws and regulation concerning health and pollution.

Inadequate incineration may generate toxic gases such as CO.

14. TRANSPORT INFORMATION

Not regulated

15. REGULATORY INFORMATION

Not available

16. OTHER INFORMATION

The data given above is believed accurate and for reference only.