

Material Safety Data Sheet

In accordance with 29 CFR 1910.1200,ANSI Z400.1-2004, and ISO 11014-1:1994

1.COMPANY IDENTIFICATION

Supplier: Shenzhen ECO Industrial Co.,Ltd

Address:Floor5 Building4 Shawan Village,Gushu,Xixiang,BaoAn,Shenzhen,China.

Customer service telephone:008675561962098

Email:analucia@ecoreprap.com

Website:www.ecoreprap.com

Emergency telephone numbers(24 hours a day):008613418510805

2.COMPOSITION/INFORMATION ON INGREDIENTS

Substance or Preparation	Substance
Product name	Poly lactide(PLA) Filament
Specifications	Diameter:1.75mm or 3.00mm
Impurities Contributing to Hazard	None

3.HAZARD IDENTIFICATION

Most Important Hazards	None
Adverse Human Health Effects	None
Environmental Effects	None
Physical and Chemical Hazards	None

4.FIRST AID MEASURES

Inhalation Contact	In case of gases evolving from melted resin,move subject to fresh air. Treat symptomatically.
Skin Contact	In case of pellets or powder,wash with water. In case of melt,wash effected skin area and clothing with plenty of soap and water.Seek medical advice.
Eye Contact	In case of pellets or powder,flush with plenty of water for at least 15 minutes. Seek medical advice if any dust particles still remain. In case of gases evolving from melted resin of high temperature, flush with plenty of water for at least 15 minutes. Seek medical advice if necessary.
Ingestion	Induce vomiting.Rinse mouth with water. Seek medical advice if necessary.

5.FIRE-FIGHTING MEASURES

Extinguishing Media	Water,Foam,Dry chemical powder
Special Fire-Fighting Procedure	Self contained breathing apparatus
Fire and Explosion Hazards	None

6.ACCIDENTAL RELEASE MEASURES

Methods for Cleaning up	Recovery if not contaminated or Disposal
Personal Precautions	Filament remained on ground may cause slipping
Environmental Precautions	Gather filament thoroughly to avoid birds or fishes taking from draining water

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 existence of power,electrostatics eliminators and grounding should be fixed to such equipment as air transferring pipes,bag filters and hoppers.Use electrically conductive filters for bag filters.
Storage	Keep the materials at a cool dry place. Protect from direct sunlight,rain and violent temperature fluctuation.Fire is inhibited around storage area.

8.EXPOSURE CONTROLS/PERSONAL PREOTECTION

Threshold Limit Value	Not determined	
Ventilation	Necessary or exclude dust,fumes and gases	
Personal Protection	Eye	Wear safety glasses for general purpose.Wear chemical goggles for cleaning molding machines.
	Respiratory	Wear masks for cleaning molding machines.
	Gloves	Necessary for handling melted resin.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	1.75mm(3.00mm) plastic solid rod
Color	Transparent,White, Black,Red, Orange, Yellow, Green,Blue, Purple,Pink,Brown,Gold,Silver,Glow Blue,Glow Green,
Physical State	Solid
Melting Temperature	Softening above 58°C
Solubility	Insoluble in water
Specific Gravity	1.24g/cc
Decomposition temperature	482F(250°C)

10.STABILITY AND REACTIVITY

Flammability	Yes
Stability	Stable under recommended storage conditions
Conditions to avoid	Temperature above 446F
Materials to avoid	Oxidizing agents.Strong bases.
Thermal Decomposition	Gases CO CO ₂

11.TOXICOLOGICAL INFORMATION

Irritation	Fumes or vapors generated from decomposing filament may be irritant to eyes.
Acute oral toxicity(LD50)	Not determined.
Mutagenicity	Not determined.

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 regulations concerning health and pollution.
Inadequate incineration may generate toxic gases such as CO and CO₂.

14.TRANSPORT INFORMATION

Not classified.

15.REGULATORY INFORMATION

Not available.

16.OTHER INFORMATION

None.
