

# Material Safety Data Sheet

## **1.COMPANY IDENTIFICATION**

Supplier: Shenzhen ECO Industrial Co.,Ltd

Address: No.9 Henggangxia Block XinQiao Baoan Shenzhen Guangdong China

Customer service telephone:0086-755-36869662

Email:analucia@ecoreprap.com

Website:www.ecoreprap.com

Emergency telephone numbers(24 hours a day):008613418510805

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## **2.COMPOSITION/INFORMATION ON INGREDIENTS**

Substance or Preparation	Substance
Product name	HIPS Filament
Specifications	Diameter:1.75mm/1.75mm/3.00mm
Impurities Contributing to Hazard	None

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## **3.HAZARD IDENTIFICATION**

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

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## **4.FIRST AID MEASURES**

Inhalation:

No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

Skin:

No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

Eye:

Flush eyes with plenty of clean water.

Ingestion:

Remove to fresh air if effects occur. If still feel malaise, consult a physician.

## **5.FIRE-FIGHTING MEASURES**

Flammable Properties:

Flash point:none

Auto-ignition temperatures:Not applicable.

Flammability Limits:

LFL:Not applicable.

ULF: Not applicable.

Extinguishing Media: Dry chemical,Carbon dioxide,Foam and Water Fog.

Hazardous Combustion Products:Under fire conditions polymers decompose. The smoke may contain polymer fragments of varying compositions in additions to unidentified toxic and or inrritation compounds.Hazardous combustion products may include and are not limited to:carbon dioxide and carbon monoxide. Hazardous combustion products may include trace amount of styrene.

Dense smoke emitted when burned withou sufficient oxygen.Mechanical handling can cause formation of the dusts. To reduce the potential for dust explosion,do not permit dust to accumulate.

Fire-Fighting Equipment: Wear protective fire-fighting clothing,includes fire-fighting helmet, coat, pants, boots and gloves. If there is not enought fresh air in such surroundings, wear postive-pressure self-contained breathing apparatus. If protective clothing is not available or not used, fight fire from a protected location or safe distance.

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## **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

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## **7.HANDLING AND STORAGE**

Handling: Prevent from fire around handing 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.

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## **8.EXPOSURE CONTROLS/PERSONAL PRETECTION**

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.

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## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance 1.75mm/2.85mm/3.00mm plastic solid rod

Color Natural/White/Black and Others

Odor Odorless

Physical State Solid

Melting Point 180°C

Solubility Insoluble in water

Specific Gravity 1.04g/cm<sup>3</sup>

Decomposition Temperature Over 400°C

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## **10.STABILITY AND REACTIVITY**

Chemical Stability: Stable

Hazardous in Special Situation: Unknown

Conditions to Avoid: Avoid temperatures over 300°C, because products can decompose at elevated temperatures.

Incompatibility with other materials: Unknown

**11.TOXICOLOGICAL INFORMATION**

Ingestion: Single dose oral LD50 has not been determined.

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**12.ECOLOGICAL INFORMATION**

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

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**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 HCN AN SM and CO<sub>2</sub>.

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**14.TRANSPORT INFORMATION**

Not classified.

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**15.REGULATORY INFORMATION**

Not available.

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**16.OTHER INFORMATION**

None.

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