

Material Safety Data Sheet

1.COMPANY IDENTIFICATION

Supplier: Shenzhen ECO Industrial Co.,Ltd

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Emergency telephone numbers(24 hours a day):008613418510805

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

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:

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 irritation 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.

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 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.

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.

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℃
Solubility	Insoluble in water
Specific Gravity	1.04g/cm ³
Decomposition Temperature	Over 400℃

10.STABILITY AND REACTIVITY

Chemical Stability:	Stable
Hazardous in Special Situation:	Unknown
Conditions to Avoid:	Avoid temperatures over 300℃,because products can decompose at elevated temperatures.
Incompatibility with other materials:	Unknown

11.TOXICOLOGICAL INFORMATION

Ingestion: Single dose oral LD50 has not been 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 HCN AN SM and CO₂.

14.TRANSPORT INFORMATION

Not classified.

15.REGULATORY INFORMATION

Not available.

16.OTHER INFORMATION

None.
