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

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Substance or Preparation</th>
<th>Substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>TPU Filament</td>
</tr>
<tr>
<td>Specifications</td>
<td>Diameter: 1.75mm/2.85mm/3.00mm</td>
</tr>
<tr>
<td>Impurities Contributing to Hazard</td>
<td>None</td>
</tr>
</tbody>
</table>

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 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 PROTECTION

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>1.75mm/2.85mm/3.00mm plastic solid rod</td>
</tr>
<tr>
<td>Color</td>
<td>Transparent, White, Black, Blue, Grey and Others</td>
</tr>
<tr>
<td>Physical State</td>
<td>Solid</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble in water</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.23g/cm³</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>Yes</td>
</tr>
<tr>
<td>Flash Point</td>
<td>210°C</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>240°C</td>
</tr>
<tr>
<td>Stability</td>
<td>Stable under recommended storage conditions</td>
</tr>
<tr>
<td>Materials to avoid</td>
<td>Oxidizing agents, Strong bases.</td>
</tr>
<tr>
<td>Thermal Decomposition</td>
<td>Gases CO, HCN, AN, SM and CO₂</td>
</tr>
</tbody>
</table>

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, HCN, AN, SM, and CO₂.

14. TRANSPORT INFORMATION

Not classified.

15. REGULATORY INFORMATION

Not available.

16. OTHER INFORMATION

None.