

## Safety Data Sheet

Page:1/4

Guangdong Beiyan New Material Technology Co., Ltd. Safety Data Sheet

Date/Revised: 7.1.2017

Version: 1.0

Product: PBT BY301G15F

### 1. Chemical Product and Company Information

#### **PBT BY301G15F**

Use: Polymer

Company:

GUANGDONG BEIYAN NEW MATERIAL TECHNOLOGY CO., LTD  
ROOM 601, BUILDING 1, NO. 770, XIEGAO ROAD, XIEGANG TOWN,  
DONGGUAN

Tel: +86 769 82858489

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Emergency information:

Emergency Call: +86 769 82858489

### 2. Composition/Information on Ingredients

PBT (Polybutylene terephthalate)	CAS: 26062-94-2	60%
Flame retardant		15%
Fiberglass		15%
Additives		10%

Impurities contributing to hazard: NONE

### 3. Hazards Identification

Health effects: Not applicable

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Environmental effects: Not applicable

Physical and chemical hazards: Not applicable

Specific hazards: Not applicable

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#### **4. First Aid Measures**

Eye contact: Cool eyes rapidly with plenty of cold water after contact with molten polymer and seek medical advice.

Skin contact: Cool skin rapidly with plenty of cold water after contact with molten polymer and seek medical advice.

Inhalation: Inhalation of vapors due to thermal decomposition: remove to fresh air, seek medical advice if needed.

Ingestion: Help to vomit as much as possible. Seek medical advice if sick feeling continues.

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#### **5. Fire Fighting Measures**

Suitable extinguishing media: water, foam, dry extinguishing media.

Specific hazards: At temperature of >300°C can be emitted: carbon monoxide, hydrogen bromide, etc.

Formation of further decomposition and oxidation products depends upon the fire conditions.

Specific equipment for the protection of fire fighting: In case the fire gained force, use a gas mask or other protective equipment.

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#### **6. Accidental Release Measures**

Methods for cleaning up or taking up:

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Pick up with suitable appliance and dispose of.

Additional information: High risk of slipping due to leakage/spillage of product.

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#### **7. Handling and Storage**

Handling: Wear gloves and mask to avoid dust formation.

Storage: Keep the materials at a cool dry place with good ventilation.

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## 8. Exposure Controls/Personal Protection

### Engineering controls

Ensure ventilation of work areas and extraction of dust or vapors likely to be given off during conversion operations.

### Personal protection equipment

Respiration protection: Wear a dust mask in case of dust formation.

Hand protection: Wear gloves (product handled in molten state).

Eye protection: Wear safety glasses for general purpose.

Skin and body protection: Wear protective clothing (product handled in molten state).

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## 9. Physical and Chemical Properties

Appearance	Solid(pellets)
Color	All color with different colorant
Odour	Odourless
Density	1.52g/cm <sup>3</sup>
Solubility	Insoluble

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## 10. Stability and Reactivity

Stable for normal storage or handling.

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## 11. Toxicological Information

See section 3 for potential health effects.

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

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## 12. Ecological Information

### Persistence and degradability

Experience shows the product to be inert and non-degradable.

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#### Bioaccumulation potential

Because of the product's consistency and low water solubility, bioavailability is improbable.

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### **13. Disposal Considerations**

Check for possible recycling.

May be disposed of or combusted with domestic refuse according to local regulations.

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### **14. Transport Information**

#### Domestic transport

Not classified as a dangerous goods under transport regulations.

#### Sea transport

Not classified as a dangerous goods under transport regulations.

#### Air transport

Not classified as a dangerous goods under transport regulations.

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### **15. Regulatory Information**

Conform with WEEE/RoHS directive.

Observe existing law and regulations of China.

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### **16. Other Information**

The data contained in the safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.