

# MATERIAL SAFETY DATA SHEET

According to 91/155/EC

**Product:**  
Msds No.: 05A0010A

**PBT-RG**  
Version 3.0

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Revision Date: 2010/12/16

## 01- IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

NAME OF THE PREPARATION	PBT-RG
SUPPLIER	GUANGZHOU KINGFA SCI.&TECH.CO.,LTD
ADDRESS	Gaotang Industry Zone, Tianhe District,  Guangzhou, China , 510520
TELEPHONE/FAX	+86-20-87037832 /+86-20-87036219
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## 02-COMPOSITION/INFORMATION ON INGREDIENTS

PBT	>45%	CAS#: 25971-63-5
FLAME RETARDANT	<23%	
GLASS FIBER	10-35%	
OTHERS	<2%	
IMPURITIES CONTRIBUTING TO HAZARD	NONE	

## 03-HAZARDS IDENTIFICATION

HEALTH EFFECTS	Limited evidence of a carcinogenic effect Prolonged and /or repeated contacts: Risk of skin sensitization When handled at high temperatures, can cause serious burns
PHYSICAL AND CHEMICAL HAZARDS	Dust can form explosive mixture with air At high temperature thermal decomposition giving flammable and harmful products, formation of toxic products through combustion
SPECIFIC HAZARDS/EC	Limited evidence of a carcinogenic effect

## 04-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
INGESTION	If vomiting occurs, lower the head to ease vomiting and seek medical advice
INHALATION	Inhalation of vapors due to thermal decomposition: remove to fresh air, oxygen or artificial respiration if needed

## 05-FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES	Flash point: Not determined Auto ignition temperature: Not determined
EXTINGUISHING MEDIA	Water spray, Dry powder, Carbon dioxide (CO <sub>2</sub> )
SPECIFIC HAZARDS	Above 300°C, possible formation of Styrene, Toluene,

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Ketones and Alcohols (small quantities)  
Formation of toxic products through combustion: Carbon oxides,  
Hydrogen bromide

**FIRE FIGHTING INSTRUCTIONS** Keep people away, isolate fire area and deny unnecessary entry  
Cool surroundings with water to localize fire zone  
Hand held carbon dioxide or dry chemical water to cool and  
prevent re-ignition

**06-ACCIDENTAL RELEASE MEASURES**

**PERSONAL PROTECTION** Do not breathe vapors/dust  
Sweep up to prevent hazard slipping

**ENVIRONMENTAL PROTECTION** Do not release into the environment  
Do not let the product enter into drains

**METHODS FOR CLEANING UP** Recover the product  
Recycle or incinerate at an approved waste disposal site

**07-HANDLING AND STORAGE**

**HANDLING** Prevent from fire around handling area.  
Avoid accumulation of static charges during transfers in metallic  
systems, wear a mask to avoid dust formation

**STORAGE** Keep the materials at a cool dry place  
Protect from direct sunlight, rain and violent temperature  
fluctuation. Fire is inhibited around storage area

**08-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

**EXPOSURE LIMIT** Not determined

**PERSONAL PROTECTION EQUIPMENT**

Eye protection Wear safety glasses for general purpose  
Wear chemical goggles for cleaning molding machines

Hand protection Wear gloves (product handled in molten state)

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

Respiratory protection In case of dust formation, wear a dust mask  
In case of insufficient ventilation, wear suitable respiratory  
equipment

**09-PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE** Solid (pellets)

**COLOR** Opaque

**ODOUR** Very faint

**BOILING POINT/RANGE** Not applicable

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220°C

**THERMAL DECOMPOSITION**

starts at about 350°C

**VAPOUR PRESSURE**

Not applicable

**SOLUBILITY IN WATER**

Not soluble

**SPECIFIC GRAVITY**

&gt;1.0

**10-STABILITY AND REACTIVITY****STABILITY**

Combustible gases are released at the temperature over 300°C

**INCOMPATIBILITY**

Strong oxidizers

**HAZARDOUS DECOMPOSITION PRODUCTS**

Combustion may produce carbon monoxide, hydrocarbons, hydrogen bromide and carbon dioxide

**HAZARDOUS**

Will not occur

**POLYMERIZATION****11-TOXICOLOGICAL INFORMATION**

See section 3 for potential health effects. For detailed toxicological data, write or call the address or emergency number shown in section 1

**12-ECOLOGICAL INFORMATION**

To avoid being taken by ocean species or birds

To inhibit disposal of the waste to the ocean and water sources

**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, SM, HBr, C<sub>2</sub>H<sub>4</sub>, Benzene and Toluene**14-TRANSPORT INFORMATION**

ADR/RID Not regulated

AND/ADNR Not regulated

IMDG Not regulated

IATA Not regulated

Consult KINGFA's safety department for any further information

**15-REGULATORY INFORMATION**

WEEE/ROHS DIRECTIVE CONFORMS

INVENTORIES EINECS (EU): Conforms

TSCA (USA): Conforms

DSL (Canada): Conforms

AICS (Australia): Conforms

ECL (Korea): Conforms

**SAFETY DATA SHEETS**

D.91/155/EEC amended by D.93/112/EEC and D.2001/58/CE

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## 16-OTHER INFORMATION

This message is based on our present knowledge. However this will not constitute a guarantee for any specific products features and should not establish a legally valid contractual relationship.

**Department issuing MSDS: GUANGZHOU KINGFA SCI.&TECH. CO., LTD**

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