

MATERIAL SAFETY DATA SHEET

According to 91/155/EC

Product:
Msd No.: 05A0010A

PBT-RG
Version 3.0

Page 1 of 4
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
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EMERGENCY TELEPHONE NO.	+86-20-87036220

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 ₂)
SPECIFIC HAZARDS	Above 300°C, possible formation of Styrene, Toluene,

MATERIAL SAFETY DATA SHEET*According to 91/155/EC***Product:**
Msds No.: 05A0010A**PBT-RG**
Version 3.0**Page 2 of 4**
Revision Date: 2010/12/16

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

MATERIAL SAFETY DATA SHEET*According to 91/155/EC***Product:**
Msds No.: 05A0010A**PBT-RG**
Version 3.0**Page 3 of 4**
Revision Date: 2010/12/16**MELTING POINT**

220°C

THERMAL DECOMPOSITION

starts at about 350°C

VAPOUR PRESSURE

Not applicable

SOLUBILITY IN WATER

Not soluble

SPECIFIC GRAVITY

>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, C₂H₄, 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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Product:
Msd No.: 05A0010A

PBT-RG
Version 3.0

Page 4 of 4
Revision Date: 2010/12/16

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.

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