



# Zhenjiang Qimei Chemical Co. Ltd.

江苏镇江新区大港韩峰路18号

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1/2(A-GHE)

## MSDS(Material Safety Data Sheet)

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### 1. 物品及厂商资料 Product and company identification

Product name: **Polyrex**<sup>®</sup> PG-33 PG-383 PG-383M  
Manufacturer: Zhenjiang Qimei Chemical Co. Ltd.  
Address: Jiangsu Dagang District of Zhenjiang Han Feng Road No. 18  
Tel. : 0511-83121300 (Technical service course)  
Emergency phone number: 0511-83121300  
Fax number: 0511-83121033/83121296

### 2. 成品辨识资料 Composition, Information on Ingredients

Single product or mixture: Single product  
Chemical Name: 聚苯乙烯(Polystyrene)  
Component content: > 95 % (additive  $\leq$  5 %)  
Chemical Formula: (C<sub>8</sub>H<sub>8</sub>)<sub>m</sub>  
CAS No. 9003-53-6  
Harmful impurities: NA

### 3. 危害性分类 Hazard Identification

Health hazard effect: NA  
Environmental effect: NA  
Physical and chemical hazards: NA  
Special hazard: NA

### 4. 急救措施 First Aid Measures

Inhalation Remove the patient to fresh air area and immediately send to hospital  
If you come into contact with plastic or plastic powder, rinse with water.

Skin Contact If exposed to melt, with plenty of water rinse Huanbu (soap) and clothes,  
immediately send to hospital  
If contact with plastic or plastic powder, rinse with plenty of water for at least 15 minutes.  
If there is discomfort, immediately sent to the hospital.  
If exposed to high temperature molten resin escape of gas, with a large amount of  
water rinse at least 15 minutes.

Swallow If there is discomfort, immediately sent to the hospital  
To rinse, rinse with water, if there is discomfort, immediately sent to hospital

### 5. 消防措施 Fire Fighting Measures

Suitable Extinguishing Media: Water, chemical foam , dry powder  
Special Hazards in Fire: NA  
Special Fire-Fighting Produres: Remove combustible  
Required Special Protective Equipment for Fire-Fighters: Oxygen supply respirator

### 6. 泄漏处理方法 Accidental Release Measures

Personal Precautions: If the plastic grain or plastic powder residue on the ground, may cause the person to slip  
Environmental Precautions: To prevent the birds or fish from feeding in the drainage system, must be completely recycle  
Methods Cleaning: Recycling or discard

### 7. 安全处置与储存方法 Handling and Storage

Handling: Operation premises shall be forbidden fireworks, ready to arrange consolidation in order to avoid dust  
accumulation. To prevent dust explosion, the air delivery pipe, bag filter, and reservoir should be equipped  
with electrostatic eliminator, and grounded. Bag filter in the filter material in conductive materials.

Storage: Store in a cool place, avoid direct sunlight, rain and big changes in temperature.  
The store is strictly prohibited fireworks.



## 8. 暴露预防措施 Exposure Controls, Personal Protection

Allowable concentration(TLV):	Undefined
Ventilating device:	Remove dust, smoke and gas
Personal safety equipment:	Respiratory protection use a gas mask when cleaning the molding machine. Hand protection use leather gloves when exposed to sol. Eye protection use safety glasses, goggles cleaning molding machine

## 9. 物理及化学性质 Physical and Chemical Properties

Physical State	Transparent colloidal particles
Form	Granulous
Color	NA
Odor	NA
Flash Point	350 °C
Autoignition temperature	490 °C
Explosion Limits	15 g/m <sup>3</sup>
The minimum ignition energy	40 mJ
The maximum explosion pressure	5 × 10 <sup>5</sup> Pa
The maximum pressure rise speed	3.4 × 10 <sup>6</sup> Pa/S
Proportion	1. 03~1. 06
Dissolution	NA

## 10. 安定性及反应性 Stability and Reactivity

Stability	According to the general operation and storage procedures, stability
Hazardous decomposition	CO, CO <sub>2</sub> , SM and Dimer
Combustion energy	4. 16 × 10 <sup>7</sup> J/kg (9930 Kcal/kg)

## 11. 毒性资料 Toxicological Information

Irritating The smoke and steam generated by the decomposition of the plastic will irritate the eyes.

## 12. 生态资料 Ecological Information

In order to prevent the ingestion of sea creatures or birds, the sea or water is strictly prohibited.

## 13. 废弃物处理 Disposal Considerations

Appropriate combustion or burial methods. Inappropriate incinerators may produce toxic gases such as CO, HCN, AN and SM.

## 14. 运送资料 Transport Information

Unclassified

## 15. 法规资料 Regulatory Information

NA

## 16. 其它资料 Other Information

NA