



## 材料安全数据说明书

### Material Safety Data Specification

材料中文名称: 三人牌® 聚丙烯树脂 M800E  
Material name in Chinese: 三人牌® 聚丙烯树脂 M800E  
材料英成分 / 组成信息文名称: 三人牌® polypropylene M800E  
Material name in English: 三人牌® polypropylene M800E

企业名称: 中国石化上海石油化工股份有限公司塑料事业部  
Company Name: SINOPEC Shanghai Petrochemical Co., Ltd. Plastics Division

地址: 中国上海金山区卫二路 143 号 邮编: 200540  
Address: No.143 WeiEr Road Jinshan District Shanghai China Post Code: 200540  
企业联系电话: 86-21-57944364 传真号码: 86-21-57944364  
Contact Tel: 86-21-57944364 Fax: 86-21-57944364  
技术说明书编码: SPC-SLB-PP-M048 生效日期: 2005 年 11 月 1 日  
Technical instruction coding: SPC-SLB-PP-M048 Effective date: NOV. 01, 2005

#### 1、成分 / 组成信息

##### 1、Components/Information

主要成分	浓度	CAS No.
Main ingredients	Concentration	
聚丙烯	99.7%以上	9010-79-1
Polypropylene	More than 99.7%	
材料中含有少量稳定剂, 不包含危害物		
Material containing a small amount of stabilizer, does not contain the hazards		

#### 2、危险性概述

##### 2、hazards summarizing

危险性类别: 根据中国国家标准规定, 不属于危险化学品。

Risk categories: According to China national standard regulations, does not belong to dangerous chemicals.

侵入途径: 吸入、食入。

Invasive ways: Inhalation, eat.

健康危害: 对人体无危害。材料检测结果符合 GB9693-1988 《食品包装用聚丙烯树脂卫生标准》。

Health hazard: No harm to human body. Material test results accord with GB9693-1988 "the health standard for food packaging polypropylene resin".

环境危害: 该物质不容易自然降解、溶解或化学反应, 但可能被光降解。对环境有危害, 应特别注意对土壤的污染。

Environmental hazard: This material is not easy to natural degradation, dissolve or chemical reaction, but may be photodegradation. Harmful to the environment, should pay special attention to soil pollution.

燃爆危险: 在常温常压下不会燃烧和爆炸, 与强氧化剂接触可能引起燃烧和爆炸, 自燃温度大于 390℃, 燃烧时主要有害物质是一氧化碳。

Combustion hazard: Not burning and explosion under atmospheric pressure, with strong oxidizer contact may cause burning and explosion, spontaneous combustion temperature greater than 390 °C, burns main harmful material is carbon monoxide.

### 3、急救措施

#### 3、First aid measures

皮肤接触：一般没有刺激，不会吸收材料的有害物质而引起伤害。接触后可用肥皂水、清水淋洗或冲洗。

Skin contact: Generally has no stimulation, no absorption materials harmful substances and cause damage. Can use soap water, water injector or washing.

眼睛接触：固体和粉尘的进入会对角膜产生机械损伤，应立即用流动清水冲洗 20min 以上，异物感严重者，就医。

Eye contact: Solid and the entry of dust can produce mechanical damage to the cornea, should immediately with flowing water more than 20 min, foreign body sensation serious, go to a doctor.

吸入：一般不会产生危害，如果影响呼吸，就医。

Inhalation: General won't produce harm, if affect breathing, go to a doctor.

食入：少量食入能自然排出体外，过量误食送医院治疗。

Eat: Can a small amount of food into the natural eduction body outside, excessive ingestion of hospital treatment.

### 4、消防措施

#### 4、Fire control measures

危险特性：高温可燃，常温常压下不会自燃。

Dangerous characteristic: High temperature burning, not spontaneous combustion under atmospheric pressure.

有害燃烧产物：在燃烧条件下会分解，烟雾中可能含有分解后生成的少量不明化合物。产品燃烧后的产物主要是一氧化碳和二氧化碳。

Hazardous combustion products: Under the condition of burning will decompose, smoke may contain decomposition generated after a small amount of unknown compounds. Products are a product of combustion is mainly of carbon monoxide and carbon dioxide.

灭火方法及灭火剂：没有特别要求。

Fire extinguishing method: No special requirements.

灭火注意事项及措施：没有特别要求，进入火场应注意保持正常呼吸条件。

Fire extinguishing measures and precautions: No special requirements, into the fire should pay attention to keep normal breathing condition.

### 5、泄漏应急处理

#### 5、Accidental release measures

应急处理：地面泄漏，用洁净铲子收集于干燥、洁净的容器中；水面泄漏，打捞、收集于洁净的容器中。如果该物质或被污染的流体进入水路，通知有潜在水体污染的下游用户和地方污染控制部门。

Emergency treatment: The ground leak, use clean shovel collected in dry, clean containers; the water leakage, salvage, collected in clean containers. If the material or the contaminated fluid into the waterways, notify the potential water pollution of downstream users and local pollution control department.

### 6、操作处置与储存

#### 6、Operation treatment and storage

操作处置注意事项：操作人员应经过专门培训，严格遵守操作规程。操作场所应有良好通风，防止吸入烟雾。建议操作人员穿工作服，戴耐热手套。工作场所禁止吸烟。避免与强氧化剂直接接触。搬运时要轻装轻卸，防止包装损坏。配备相应的消防器材及泄漏应急处理设备。倒空的包装材料应收集后集中处理，防止环境损害。

Disposal considerations: Operator should receive special training, strictly abide by the operation procedures. The operating site should have good ventilation to prevent inhaling smoke. Suggest operators wear overalls, a heat resistant gloves. Smoking is forbidden in the workplace. Avoid direct contact with strong oxidizing agents. When handling with light discharge, prevent damage of the

packing. Equipped with corresponding fire equipment and spill contingency processing equipment. Empty after collection of packaging materials should be processing, to prevent environmental damage.

储存注意事项：储存于阴凉、干燥、通风的库房内。远离火种、热源和强氧化剂，保持包装袋密封。

Storage precautions: Store in a cool, dry and ventilated warehouse. Stay away from sunlight, heat and strong oxidizer, keep packing bag sealing.

## 7、接触控制 / 个体防护

### 7、Contact control/Individual protection

最高容许浓度：中国没有规定

The maximum allowable concentration: No rules in China

监测方法：无意义

Methods: Nonsense

工程控制：最大限度地保持良好的通风条件。产生烟雾的操作部位必须局部排风。

Engineering control: Maximize maintain good ventilation. Operating area must local exhaust smoke.

呼吸系统防护：大多数操作时不需要呼吸防护，粉尘较多时，使用防尘口罩。

Respiratory protection: No respiratory protection required for most operations, with more dust, use dust mask.

眼睛防护：大多数操作时不需要防护，粉尘较多时，使用安全护目镜。

Eye protection: No protection required for most operations, with more dust, use safety goggles.

身体防护：穿戴一般工作服。当产品进行热加工时需要适当的通风，对有可能接触到熔融物质人员应该提供下列装备：面具、热防护手套（长袖）、带袖领扣的棉制品全身工作服、皮质安全鞋或橡胶靴（裤腿留在外边）、护目镜、安全帽。

The body protection: Wear appropriate clothes. When the product during hot working need proper ventilation, is likely to come into contact with molten material personnel should provide the following equipment: masks, thermal protective gloves (long sleeve), with a collar of a sleeve cotton overalls, leather safety shoes or rubber boots (legs stay outside), goggles, safety helmet.

手 防 护：一般手套。

Hand protection: Prevention gloves in general.

## 8、理化特性

### 8、Physical and chemical properties

外观：固体颗粒状，白色无臭。

Appearance: Solid granule, white, odourless.

熔点（℃）： 155-165℃

Melting point（℃）： 155-165℃

相对密度（水=1）： 0.905（g/cm<sup>3</sup>）

Relative density（water=1）： 0.905（g/cm<sup>3</sup>）

自燃温度：大于 390℃

Autoignition temperature: More than 390 °C

溶解性：不溶于水、丙酮、乙醇

Solubility: Insoluble in water, acetone and ethanol

推荐用途：主要用于各种食品、饮料等透明包装瓶及小型透明制品的生产

Recommended use: Mainly used for all kinds of food, beverage and other transparent bottles and small transparent products

聚合物类型：无规共聚

Polymer type: Random copolymer

## 9、稳定性和反应性

### 9、Stability and Reactivity

稳定性：自然条件下稳定。

Stability: Stable under natural conditions.

禁配物：与强酸、氯及其他强氧化剂、高锰酸钾、异丙基油类不能配伍。

Prohibited content: With acid, chlorine and other strong oxidizer, potassium permanganate,

isopropyl oil cannot compatibility.

避免接触的条件：明火，强烈光照。

Avoid contact with conditions: Open flame, strong light.

分解产物：根据温度、其它介质材料和空气的充足情况产生不同的分解产物，热加工期间材料会降解生成极少量的碳氢化合物，有限量的乙醛。完全燃烧最终产物是二氧化碳和水。

Breakdown products: According to the temperature and other dielectric materials and air condition that causes different breakdown products, hot working material will degrade very small amounts of hydrocarbons generated during, the limited amount of acetaldehyde. Complete combustion end product is carbon dioxide and water.

## 10、毒理学资料

### 10、Toxicology data

急性毒性：大鼠急性经口毒性试验，LD<sub>50</sub> 为大于 10000mg/kg，无毒。

Acute toxicity: Acute oral toxicity test of rats, LD<sub>50</sub> to more than 10000 mg/kg, non-toxic.

刺激性：家兔急性皮肤刺激性试验，积分均值为 0，无刺激性；家兔急性眼刺激性试验，角膜、虹膜、结膜积分均为 0，无刺激性。

Stimulus: Acute skin irritation test on rabbit, integral mean value is 0, without excitant; Rabbit acute eye irritation test, cornea, iris, conjunctival integral are 0, without excitant.

致突变性：树脂浸泡液对鼠沙门氏菌试验，无论直接作用或代谢活化后作用，均未呈现致突变性。

Mutagenicity: Resin soak liquid of the rat salmonella test, either directly or after the metabolic activation were presented respectively.

致畸性：树脂浸泡液在对体外培养的哺乳动物中国仓鼠肺细胞（CHL）染色体畸变检测系统中，无论是否加入活化系统，均未见致畸变性。

Teratogenicity: Resin soak liquid in the in vitro cultured mammalian Chinese hamster lung cells (chlorophyll) chromosome aberration test system, whether or not to join the activation system, teratogenic degeneration was not found.

## 11、生态学资料

### 11、Ecological information

生态毒性：生态性及生物积累，没有剧烈的中毒反应。

Ecosystem: Ecological toxicity and biological accumulation, no severe toxic reaction.

生物降解性：在陆地环境下材料将保持在土壤中，在海洋环境下材料将漂浮在表面上。

Biodegradability: material in a terrestrial environment will remain in the soil, in the Marine environment materials will be floating on the surface.

非生物降解性：能在高温和氧化作用下分解。波长 290~320nmv 的紫外光是使高分子发生光降解的主要因素。氧、热、水（如雨、雪）、力（如风、沙）等自然环境因素的参与会加速光降解的过程。

Biodegradability: Can decompose under high temperature and oxidation. Wavelength of 290 ~ 320 NMV ultraviolet light is the main factor to polymer light and decomposition. Oxygen, heat, water (rain, snow), force (wind, the sand), and other natural environment factors involved in will accelerate the process of photodegradation.

## 12、废弃处置

### 12、Waste disposal

废弃物性质：一般固体废弃物。

Waste properties: General solid wastes.

废弃处置方法：本产品最好是重复利用，可使用粉碎方法进行回收。生产过程中所产生废料应当保持清洁，妥善存放以便回收利用。在符合当地的法律法规和其他要求时，进行焚烧、深埋。

Waste disposal method: This product is best reuse, the crushing method can be used for recycling. During the production process of waste should be kept clean and properly stored that can be recycled. In accordance with local laws, regulations and other requirements, burned, buried deep.

## 13、运输信息

### 13、Transportation information

危险货物编号: GB 6944 没有收入

Dangerous goods number: 6944 GB is not included

UN 编号: 无

The UN number: No

包装标志: 普通化工品

Packing mark: Ordinary chemicals

包装类别: 按普通化工品条件

Packaging categories: According to the general chemical conditions

包装方法: 标准包装: 25kg/袋, 用聚乙烯重包装薄膜袋包装, 外套聚丙烯编织袋, 或复合包装袋; 包装尺寸折径 550mm×850mm。根据客户需要可能使用其他形式包装。

Packing method: Standard packing: 25 kg/bag, packed in polyethylene heavy film bag packing, coat of polypropylene woven bags, or composite bags; packing size diameter 550mm x 850mm. According to customer needs, may use other forms of packaging.

运输注意事项: 在环境温度下运输, 避免暴晒或雨淋, 不得与沙土、金属等污染物及易燃物品混合装运。

Transportation note: Transportation under ambient temperature, avoid sun or rain, shall not be mixed with sand, metal and other pollutants and combustible goods.

### 14、法规信息

#### 14、Regulatory information

没有特定的法规规定。

No specific rules and regulations

### 15、其他信息

#### 15、Other information

填表时间: 2005 年 9 月 10 日

Written date: SEPT.10, 2005

编制说明: 根据我们当前对产品的理解, 上面的信息是正确的。但仅仅作为说明产品的目的。如果有新的认识和资料, 我们将及时予以修改。

Manual: According to our current understanding of the product, the above information is correct. But just as the purpose for the introductions of product. If there is new knowledge and information, we will be amended in time.