



1、 MATERIAL AND COMPANY IDENTIFICATION 物品及企业标识

Chemical Name: Thermoplastic Elastomer
 化学品名称: 热塑性弹性体

Common Chemical Name
 or Product Name: TPE, TPR
 化学品俗称或商品名:

Company Name: Shenzhen GainShine Plastic Technology Co., Ltd.
 企业名称: 深圳市久烁塑胶科技有限公司

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2、 INFORMATION ON INGREDIENTS / COMPOSITION 成份/组成信息

1	Chemical's Name in English	Styrene-Ethylene/Butylene-Styrene Block Copolymer	30%
	化学品中文名称	苯乙烯-乙烯/丁烯-苯乙烯嵌段共聚物	
	CAS NO	66070-58-4	
2	Chemical's Name in English	Styrene-Butadiene-Styrene Block Copolymer	40%
	化学品中文名称	苯乙烯-丁二烯-苯乙烯嵌段共聚物	
	CAS NO	9003-55-8	
3	Chemical's Name in English	White mineral oil	28.80%
	化学品中文名称	白况油	
	CAS NO	8042-47-5	
4	Chemical's Name in English	Irganox 1010 (Antioxidant/Stabilizer)	0.20%
	化学品中文名称	抗氧化剂/稳定剂/可能有除尘剂	
	CAS NO	6683-19-8	
5	Hazardous substances	Nil	
	危害性物质	无	

For further details on the specifications of the products please refer to related Technical Data Sheets released by GainShine Plastic Technology Co., Ltd.

各规格的产品的详细信息请查询久烁科技有限公司之相关物性表。



3、 HAZARDS CLASSIFICATION 危害性分类

Hazards to Health:	Molten product adheres to the skin may cause burns
健康危害:	熔融状态的产品粘附在皮肤上会导致皮肤灼伤。
Hazards to Environment:	No specific hazard
环境危害:	无
Explosion Hazards:	Not classified as Dangerous Good for Transportation
爆炸危害:	没有被划分为危害性运输品
Other Special Kinds of Hazard:	These materials essentially are non-toxic, non-irritating rubber compounds. Although some polymer powder fell off from the materials may cause scratches on human eyes or slight irritation to respiratory tract.
特别危害:	这些材料是橡胶化合物，本质上是无毒，无刺激性的。如果有聚合物粉末产生，可能会刮伤眼睛，会导致呼吸道的轻微刺激。

4、 FIRST AID MEASURES 急救措施

Expose to skin:	If the skin is exposed to material in high temperature, please rinse the burnt areas thoroughly with plenty of water. Do not attempt to apply further medical treatment to the wound by yourself or apply any ointment. The burnt areas may be loosely covered with a thin layer of sterilized medical swab. When conditions allow, please go to a doctor asap for medical advice.
皮肤接触:	如果皮肤接触到高温状态之材料，请用大量清水彻底冲洗皮肤灼伤处。不要尝试对伤口进行处理或涂抹药膏等。可以在伤口处宽松地盖上消毒过的纱布。条件允许者请就医。
Expose to eyes:	Hold up the eyelid carefully with fingers and rinse the eye immediately with running water or saline. Go to a doctor asap for medical treatment when necessary.
眼睛接触:	提起眼睑，立即用流动清水或生理盐水冲洗，必要时就医。
Inhalation:	When inhaled accidentally, evacuate from the scene quickly to an area with fresh air. Please go to a doctor in case of serious situation.
吸入:	如果不慎吸入，应迅速脱离现场至空气新鲜处，情况严重者应就医。
Ingestion:	Try to make vomit by force or rinse mouth with freshwater. If unpleasant feeling still exists, go to a doctor for medical treatment.
食入:	催吐或以清水漱口，若有不适，立即送医院。
Advice to medical personnel:	Apply targeted therapies against specific symptoms
给医生建议:	根据症状进行针对性治疗。



5、 FIRE FIGHTING MEASURES 消防措施

Hazard Classification:	Not classified as flammable but will burn.
危险性:	在分类上不归为易燃物, 但仍能燃烧。
Hazardous combustion products:	Carbon Monoxide (CO), Carbon Dioxide (CO ₂)
有害燃烧产物:	CO 和 CO ₂
Extinguishing Method & Media:	Foam, water spray or fog. CAUTION: Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
灭火方法及灭火剂:	可用泡沫、喷雾或水雾进行扑救, 注意化学干粉、CO ₂ 、砂土仅可用于小火的扑救。
Fire Fighting Precaution:	Strong water jet may disperse the fire.
灭火注意事项:	喷射状的水可能会导致火势扩散。
Protective Equipment:	Full protective clothing and self contained breathing apparatus.
保护性措施:	穿全身防护服, 佩戴正压自给式呼吸器。

6、 SAFE HANDLING & STORAGE METHOD 安全处置与储存方法

Handling Precaution:	Avoid generation or accumulation of dusts. Take precautionary measures against static discharges, earth/ground all equipment. Avoid contact with heated or molten product. Do not breathe dust. Do not breathe the fumes or vapors from molten product. Use local exhaust extraction over processing area.
操作注意事项:	在操作过程中应避免产生或积累粉尘。所有设备接地以防产生静电。避免直接接触热的或熔融的产品。同时要避免吸入粉尘、加热产品产生的烟或蒸汽。在加工区域的上方应安装通风装置。
Storage Precaution:	Keep container dry. Keep in a cool, well-ventilated place. Keep away from direct sunlight, other sources of heat or ignition and rains. Smoking should be restricted in the storage area.
储存注意事项:	保持容器干燥, 并使之处于一个低温通风的环境中。避免阳光直射和其它热源或雨淋。储存处需严禁烟火。
Storage Temperature:	Ambient
储存温度:	室温

7、 EXPOSURE CONTROLS / PERSONAL PROTECTION 接触控制/个人防护

Maximum allowable concentration:	This product is currently no occupational exposure standards, we recommend using the following criteria:	
最高容许浓度:	这个产品目前还没有职业接触标准, 我们推荐采用下面的标准:	
	▶ Rubber smoke TLV (EH40):	Rubber production and processing will produce rubber and rubber smoke dust.
	橡胶烟TLV (EH40):	橡胶制作和加工会产生橡胶粉尘和橡胶烟
	▶ Rubber Smoke:	MEL / TWA (8h) = 0.6mg / m ³
	橡胶烟:	



7、 EXPOSURE CONTROLS / PERSONAL PROTECTION (Con't) 接触控制/个人防护 (续)

- ▶ Dust Produced by Processing: MEL / TWA (8h) = 6mg / m3
橡胶加工粉尘:

MEL = 最大暴露限度 (Maximum Exposure Limit)
Dust, suitable breathing dust TLV (EH40)
粉尘, 适于呼吸的粉尘TLV (EH40)
- ▶ Total inhaled dust: TWA (8h) = 10 mg / m3
总吸入粉尘:
- ▶ Suitable breathing dust: TWA (8h) = 4 mg / m3
适于呼吸的粉尘:
- ▶ Engineering control: Ventilation
工程控制: 采用通风装置
- ▶ Respiratory protection: For space with no ventilation, may use a negative-pressured half-face respirator with organic vapor canister to detect the smell. Dust must be pre-filtered before used if exists inside the respirator. For highly concentrated dust, may use a filter to filter out.

呼吸系统防护: 对没有通风装置的场地, 可用一个带有有机蒸气滤毒器的负压半脸呼吸器检测到气味, 如果有粉尘存在, 必须预过滤后才能使用。对高浓度粉尘, 可用滤尘器来过滤这些粉尘。
- ▶ Eye protection: Use dust proof goggles.
眼睛防护: 使用防尘单目护目镜
- ▶ Body protection: Standard work clothing, may wear an apron if necessary, safety shoes or boots.
身体防护: 采用标准的工作服, 如果有必要的话可以配备围裙、安全鞋或靴子。
- ▶ Hand protection: Wear cloth gloves if necessary.
手防护: 如果需要戴上布手套。

8、 PHYSICAL AND CHEMICAL PROPERTIES 理化特性

- Form: Solid granule
外观与性状: 固体胶粒
- Color: Original color or white
颜色: 本色或白色
- Melting Point (°C): No fixed form of structure, no typical melting
熔点 (°C): 无定形结构无典型熔点

**8、 PHYSICAL AND CHEMICAL PROPERTIES (Con't) 理化特性 (续)**

Relative Density:	0.83-1.25
相对密度:	
Relative Vapor Density(Air = 1):	< 1
相对蒸气密度 (空气=1) :	
Octanol / Water Partition Coefficient:	Not applicable
辛醇/水分配系数的对数值:	不适用
Flash Point (°C):	No
闪点 (°C) :	无
Critical Temperature (°C):	
临界温度 (°C) :	
Critical pressure (MPa):	
临界压力 (MPa) :	
Explosive limit % (V / V):	
爆炸界限% (V/V) :	
Ignition temperature (°C):	
引燃温度 (°C) :	
Solubility:	Insoluble in water
溶解性:	不溶解于水
Other Properties:	Basically odorless
其它理化性质:	基本无味

9、 STABILITY AND REACTIVITY 定性和反应性

Stability:	Stable under ambient conditions. Exothermic oxidation may occur easily when temperature is above ambient conditions.
稳定性:	在环境温度下稳定。但在高于环境温度时易发生放热氧化。
Conditions to avoid:	Avoid contact with strong oxidizing agents. Storing product in an area in prolonged exposure to high temperatures may lead to spontaneous heating or combustion. Avoid prolonged storage at high temperatures (eg: 200 degrees Fahrenheit or 93 °C for 5 days)
避免接触的条件:	避免跟强氧化剂接触。将产品累积在长时间暴露在高温的某个地方可能会导致自热或自燃。避免在高温下长时间储存 (如: 5天200华氏度或93°C)
Decomposition By-products:	Products may produce harmful vapors when heated, but at normal processing temperatures and conditions it does not produce steam. Although this depends largely on temperature and environmental conditions, if the temperature is too high, or in case of smolder or fire, it will produce a lot of thermal decomposition by-products, which include simple hydrocarbons (such as methane and propane) and toxic / irritation gases (such as CO, acrolein, aldehydes and ketones).
分解产物:	产品在加热时可产生有害蒸汽,但在正常加工温度和条件下不会产生蒸汽。这虽然在很大程度上取决于温度和环境条件,如果温度太高、闷烧或着火,则会产生很多的热分解产物,它们包括简单碳氢化合物(如甲烷和丙烷)和有毒的/刺激性气体(如CO、丙烯醛、醛和酮)。



10、 TOXICOLOGICAL INFORMATION 毒性资料

Evaluation Basis:	This product has no clear determination of toxicological data
评价基础:	该产品的毒理学数据没有明确的测定
Acute oral toxicity:	The product is of low toxicity, LD50 > 2,000mg / kg
急性口服毒性:	该产品为低毒性, LD50>2000mg/kg
Acute dermal toxicity:	The product is of low toxicity, LD50 > 2,000mg / kg
急性皮肤毒性:	该产品为低毒性, LD50>2000mg/kg
Skin irritation:	No irritation
皮肤刺激性:	没有刺激
Eye irritation:	No irritation
眼睛刺激性:	没有刺激
Mutagenicity:	No mutagenic hazard
致突变性:	没有致突变的危害

11、 Ecological Information 生态资料

Evaluation Basis:	This product has no clear determination Ecological data. Related information is from ecological knowledge with similar products and ingredients.
评价基础:	该产品的生态学数据没有明确的测定。相关的信息是来自相似产品和成分的生态学知识。
Biodegradability:	Generally not degraded. Can persist under anaerobic conditions
生物降解性:	一般不会降解, 在厌氧条件下能持续存在。
Biological enrichment or biological accumulation:	No bioaccumulation occurs
生物富集或生物积累性:	不会发生生物富集
Mobility:	Floats on water or held in surface of soil
移动性:	漂浮在水面上或保持在土壤的表面
Additional Information:	GainShine elastomer (pure resin or basic products) is a blend of high molecular weight. it is non-toxic and biologically non-inert.
其它信息:	久烁弹性体(纯树脂或基本产品)是高分子量共混物, 它是无毒的和生物惰性的

12、 DISPOSAL CONSIDERATION 废弃物处置

Nature of Waste:	Solid industrial waste
废弃物性质:	工业固体废物
Waste Disposal Method:	According to waste for recycling, or otherwise conduct burning or landfill. Containers can be processed in accordance with the approach to waste disposal, or after removing all packaging, to be recovered.
废弃处置方法:	应对废物进行回收或再循环利用, 否则进行燃烧或掩埋处理。容器可以按照废物处理的办法进行处理, 也可去除所有的包装后进行回收使用。

**13、 TRANSPORTATION INFORMATION 运输资料**

No specific restrictions

未分类

14、 Regulatory Information 法规资料

Regulations:

法规:

"Existing Chemical Substances in China 2004" The substance list ingredients have been included. "Dangerous goods transport packaging category principle" (GB / T 15098-94)

《中国国内现有化学物质名录2004》该物质成分已被名录收录。《危险货物运输包装类别划分原则》（GB/T 15098-94）

"Chemical Dangerous Goods Safety Management Regulations" (February 17, 1987 the State Council issued)

《化学危险物品安全管理条例》（1987年2月17日国务院发布）

"Commonly used classification of dangerous chemicals and signs" (GB13690-92)

《常用危险化学品的分类及标志》（GB13690-92）

"Dangerous Goods Classification and code" (GB6944-86)

《危险货物分类和品名编号》（GB6944-86）

"National List of Hazardous Wastes" (UNCED [1998] No. 089)

《国家危险废物名录》（环发[1998]089号）

International Regulations:

国际法规:

Europe - EU Classification: According to the EU standard is not a dangerous substance.

欧洲-欧盟分类法：根据欧盟标准不属于危险物。

US Toxic Substances Control Act (TSCA): The components of this product

included in EPA Chemical Substances

美国有毒物质控制法案（TSCA）：该产品的成分列入美国环保署化学物质名录

15、 OTHER INFORMATION OR DATA 其它信息数据

Prepared by:

Shenzhen GainShine Plastic Technology Co., Ltd.

填表部门:

深圳市久烁塑胶科技有限公司

Other Information:

The information in this document is based on our current knowledge provided, and is true. This is only used to describe the product's health, safety and environmental requirements. Therefore we do not guarantee for any other explanations of particular properties of the product. The recommendation in this document is only for the initial form of the product. If additives are applied to the product in processing, you should seek for the instructions of safe use and process of those additives.

其它信息:

本出版物里的信息是基于我们现有知识所提供的，是真实的，是仅仅用来描述产品的健康、安全和环境要求应用的。因此我们不对产品任何特殊性质的解释作保证。本出版物里的建议仅仅是针对本产品的最初形式，如果本产品在加工过程中添加了其它的成分，则应寻求这些添加成分的安全使用和处理信息。