



## Material Safety Data Sheet (MSDS)

### Section 1-Chemical Product and Company Identification

**Product Name:** Thermo Plastic Elastomer

**Trade Name:** TPE

**Manufacturer:** SHENZHEN ZHONGSUWANG PLASTIC PRODUCTS CO.,LTD

**Address:** Zhongsu Industrial Park,luotian third Industry ,Songgang Street,Baoan District,ShengZhen

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### Section 2-Composition/Information on Ingredient

Chemical composition	Molecular Formula	CAS NO.
PP(Polypropylene)	(C <sub>3</sub> H <sub>6</sub> ) <sub>N</sub>	9003-07-0
SEBS(Styrene ethylene butadiene block copolymer)	C <sub>12</sub> H <sub>14</sub>	66070-58-4
Rubber softening oil	C <sub>5</sub> H <sub>10</sub>	8042-47-5
Calcium Carbonate	CaCO <sub>3</sub>	471-34-1
Ultraviolet resistant agent		32687-78-8

### Section 3-Hazards Identification

#### Hazards of Product

No harm in normal use. **Caution! Molten material will produce thermal burns.** Ingestion of this product may cause mechanical irritation.

#### Potential overexposure

At long industrial contact cause irritation to eye, skin and respiratory.

### Section 4-First Aid Measures

If contact with molten material or at long industrial condition, deal with as follows.

#### Eyes

Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical aid.

#### Skin

If burned by contact with molten material, cool as quickly as possible. Do not peel material from skin. Get medical aid.

#### Inhalation

Remove victim to fresh air. If symptoms develop, seek medical advice.

#### Ingestion

Do not induce vomiting. Get medical attention.

#### Note to physician

Burns should be treated as thermal burns. The material will come off as healing occurs, therefore, immediate removal from the skin is not necessary.



## Section 5-Fire Fighting Measures

**Flammability:** Non-Flammable.

### Extinguishing Media

Foam, dry chemical, carbon dioxide, water.

### Firefighting

Wear self contained breathing apparatus and protective clothing.

## Section 6-Accidental Release Measures

### Steps to be taken in case material is spilled or released at long industrial condition

Remove ignition sources, evacuate area, avoid contact with eye and skin. Shut off source of the leak only if it is safe to do so. Clean up residue and absorb on fire-retardant treated sawdust, diatomaceous earth, etc, collect as much of the spilled material as possible, keep spilled material out of sewers, ditches and bodies of water. **Caution! Let cool before picking up and returning to process or recycling if molten material spilled.**

## Section 7-Handling and Storage

### Precautions to Be Taken in Handling and Storage

Keep containers closed avoid contact with eye and skin. Wash skin with soap and water after contact. No smoking. Consumption of food and beverage should be avoided in work areas. Wash hands with soap and water before eating, drinking. Store in a cool, dry and well-ventilated area. Store away from sunlight, oxidizing agents at high temperatures.

## Section 8-Exposure Controls, Personal Protection

If prolonged or repeated contact with this material, handle as follows

### Engineering Controls

In a cool, well-ventilated area. Use an approved particulate respirator in dusty or misty atmospheres.

### Personal Protection

Safety glasses, gloves, lab coat, eye washer if needed.

## Section 9-Physical and Chemical Properties

**Flash Point:** N/A.

**Flammability:** Non- flammable.

**Solubility:** Insoluble in water.

**Appearance and odor:** White solid pellets with slight oily odor.

**Chemical use:** The day uses plastic ware.

## Section 10-Stability and Reactivity

**Stability:** Stable.

### Conditions to Avoid

Heat, sunlight, sources of ignition, oxidizing agents.

### Hazardous thermal Decomposition/Combustion Products

Carbon dioxide, carbon monoxide.



## **Corrosivity**

Non-corrosive.

## **Hazardous Polymerization**

Will not occur.

## **Section 11-Toxicological Information**

### **Styrene**

**Oral LD50 for Rats:** 5000mg/kg

**Inhalation LC50 for Rats:** 2400mg/m<sup>3</sup>, 4 hours

**Inhalation:** 920mg/ m<sup>3</sup> for 20 minutes, irritation to upper respiratory membrane.

**Inhalation:** 3500mg/ m<sup>3</sup>for 4 hours, cause tiredness, confusion, listlessness, Incoordination

### **Elythene**

**Inhalation LC50 for mouse:** 95000ppm

### **Butadiene**

**Oral LD50 for Rats:** 5480mg/kg

**Inhalation LC50 for Rats:** 285000mg/m<sup>3</sup>, 4hours

## **Section 12-Ecological Information**

NO information available.

## **Section 13-Disposal Considerations**

### **Waste Disposal**

Treatment, or disposal may be subject to national, state, or local laws.

## **Section14-Transport Information**

**Transport fashion:** May by the air, sea, railway or highway.

**Packing information:** Paper bag.

## **Section15-Regulatory Information**

### **Law Information**

In accordance with all Federal, State and Local laws

## **Section16-Additional Information**

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data here of may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Date:2017/11/03