

## 1 : Commodity

Polystyrene Plastic Sheets

Company: SINHO ELECTRONIC TECHNOLOGY CO., LTD  
West side of 27th building. Huli industrial. Xiamen City,China.361006  
Tel:0086-592-5635133  
Fax:0086-592-5750437  
Email: Info@xmsinho.com

## 2 : Composition

Chemical name	Content (%)
Polystyrene	60%-70%
Black masterbatch	5%-10%
Conductive masterbatch	25%-35%
Others	0.5%-1%

## 3 : Possible hazards: None

## 4 : First aid measures

If inhaled: On inhalation of decomposition products: keep patient calm, remove to fresh air, summon medical help.

On skin contact: areas affected by molten material should be quickly placed under cold running water.

On contact with eyes: wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion: no special measures necessary.

Note to physician:

On inhalation of decomposition products: treat according to symptoms (decontamination, vital functions), no known specific antidote.

## 5 : Fire fighting measures

Suitable extinguishing media: water, dry extinguishing media, foam

Unsuitable extinguishing media for safety reasons: none

The following can be given off in a fire: carbon dioxide (CO<sub>2</sub>) and steam.

In addition small quantities of the following substances can be formed: carbon monoxide, monomers, other degradation products.

Special protective equipment: in case of fire, wear a self contained breathing apparatus.

Further information: dispose of fire debris and contaminated extinguishing water in accordance with local regulations.

### **6 : Accidental release measures**

Methods for cleaning up: sweep/shovel up

### **7 : Handling and storage**

Handling: Take measures to prevent the build up of electrostatic charge. Heat only in areas with appropriate exhaust ventilation.

Storage: Keep containers dry and tightly closed to avoid moisture absorption and contamination. Keep in a dry, cool place.

### **8 : Exposure controls and personal protection**

Additional information on the lay-out of the technical plant:(see 7)

Components with workplace control parameters:

Styrene: CAS-No. 100-42-5

Observe the appropriate MAK value (Germany); TRGS 900 (Germany).

Buta-1,3-diene: CAS-No. 106-99-0

The relevant TRK value (Germany) should be noted; TRGS 100, 102 (Germany)

Buta-1,3-diene: According to animal experiments, the substance can be assumed to be carcinogenic.

Given suitable ventilation, it can be assumed that the threshold limits will not be reached.

Personal protective equipment:

Respiratory protection: if breathable dust is formed filter P1 ( for solid particles) (DIN 3181)

Eye protection: safety glasses with free flowing granules.

### **9 : Physical and chemical properties**

Form: Conductive sheet

Color: Black

Odour: Faint specific odor

Density: 1.06g/cm<sup>3</sup> DIN53479

Solubility in water: insoluble

Solubility in other solvents: soluble in aromatic solvent

Softening point: > 80°C DIN 53460

Ignition temperature: > 400°C DIN 517494

Vapour pressure: 20°C

Fire promoting properties: none

### 10 : Stability and reactivity

Conditions to avoid: to avoid thermal decomposition, do not overheat.

Starts to decompose at 300°C (approx.)

Possible thermal degradation products: monomers, other degradation products.

### 11 : Toxicological information

Acute toxicity

No data available. Insoluble in water.

### 12 : Ecological information

Elimination information:

No data available. Insoluble in water.

Behaviour and environmental fate:

Due to the consistency of the product, and its insolubility in water, it will apparently not be bioavailable.

### 13 : Disposal considerations

Product: must be dumped or incinerated in accordance with local regulations.

### 14 : Transport information

Not classified as hazardous under transport regulations.

### 15: Laws and regulations files: None

### 16: Other files: None