



## TPP Techno Plastic Products AG

Safety Data Sheet (SDS) under Regulation (EC) No 1907/2006 (REACH)

Product: **POLYSTYRENE**

Issue Date: January 1, 2025

### 1. Identification of the substance / preparation and of the company / undertaking

Name of product: Polystyrene  
Material use: Raw material for plastic industry  
  
Company: TPP Techno Plastic Products AG  
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8219 Trasadingen  
Switzerland  
Tel. +41 (52) 687 01 87  
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E-mail address: info@tpp.ch

### 2. Hazard identification

Not a hazardous substance or mixture to our knowledge.

### 3. Composition / information on ingredients

Chemical name: Polystyrene polymer  
Contains no substance classified as hazardous in concentrations, which should be taken into account according to EU regulations.

### 4. First-aid measures

Route of exposure:  
Inhalation: After inhalation of decomposition products, remove the affected person to a source of fresh air and keep calm. Provide medical aid.  
Skin contact: Areas affected by molten material, quickly place under cold running water. Obtain medical attention.  
Eye contact: Wash affected eyes for at least 15 minutes under running water with eyelids held open.  
Note to physician: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

### 5. Firefighting measures

Suitable extinguishing media: Water, dry extinguishing media, foam  
Specific hazards: Principal toxicant in the smoke is carbon dioxide, carbon monoxide.  
Special protective equipment: For firefighters: wear suitable breathing equipment, in case of risk of exposure to vapor or fumes.  
Further information: Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Polystyrene may drip and cause burns when exposed to high heat.

### 6. Accidental release measures

Suck or sweep up spill. All spill of material must be removed immediately to prevent slipping accidents.  
Dispose waste in accordance with local or national regulations.



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### 7. Handling and storage

Handling: Processing machines must be fitted with local exhaust ventilation. Protection against fire and explosion: When the product is ground (chopped), dust explosion regulations should be noted.

Storage: Further information on storage conditions: Protect against moisture.

### 8. Exposure controls and personal protection

Components with workplace control parameters. Observe the appropriate MAK value (Germany). The values and other data of TRGS 900 (Germany) must be observed. Given suitable ventilation, it can be assumed that the threshold limits will not be reached.

Personal protective equipment

Respiratory protection: Particle filter, low efficiency (solid particles of inert substances)

Eye protection: Safety glasses

General: Safety and hygiene measures: avoid inhalation of vapor

Solubility in water: Insoluble

### 9. Physical and chemical properties

Form: Pellets

Colour: Solid, translucent

Odour: Odourless

Melting point: > 82 – 105 °C (measured by DSC; DIN EN ISO 11357-3)

Ignition temperature: > 490 °C

Density: 1.0 g/cm<sup>3</sup>

### 10. Stability and reactivity

The product is a stable thermoplastic, with no chemical reactivity.

### 11. Toxicological information

The product is not classified as hazardous to human health.

### 12. Ecological information

The product is not considered dangerous for the environment. Not readily biodegradable. Does not accumulate in organisms. Avoid release to the environment.

### 13. Disposal considerations

Waste of disposal must be according to local regulations.

### 14. Transport information

Not restricted for transport (ADR/RID, IMDG or IATA)



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### 15. Regulatory information

Not classified as hazardous according to Regulation (EC) No 1272/2008 (CLP).

Contains no REACH substances with Annex XVII restrictions.

Contains no substances on the REACH candidate list

Contains no REACH Annex XIV substances

### 16. Other information

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations. To the best of our knowledge, the information contained herein is accurate. However, neither TPP nor any other supplier of TPP products assumes any liability what so ever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that this is the entire list of possible endangering that might arise.

In the course of product improvement, TPP reserves the right to change the raw material without further notice.

### 17. Disclaimer

TPP products are for research use only and not for clinical, diagnostic or therapeutic use. All products are intended for use by trained personnel that are familiar with safe laboratory practices.

TPP assumes no responsibility for damage or defects resulting from improper or unauthorized use. It is the responsibility of the user to store, handle, and use the products in accordance with the instructions provided.

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