

MATERIAL SAFETY DATA SHEET



Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: PRIMEX PLASTICS PRIME IMPAX POLYSTYRENE SHEET (High Impact Styrene Sheet)
Supplier: PRIMEX PLASTICS CORPORATION Emergency Response Number
1235 NORTH "F" STREET (800) 222 - 5116
RICHMOND, INDIANA 47374

Section 2. Composition and Information on Ingredients

CAS Number	Chemical Name
9003-55-6	Polystyrene
9003-53-8	Modified Polystyrene

Section 3 Hazard Identification

Emergency Overview

The Polystyrene sheet is not expected to be an inhalation hazard under normal processing conditions. If the material is processed under prolonged exposure to flame or high temperature, thermal burns to the skin may occur and toxic gases produced may irritate the respiratory system.

Potential Health Effects

Eye, skin and inhalation due to exposure to flame (molten plastic).

Primary Routes of Exposure

Routes of entry could include eye, skin, and inhalation due to exposure to flame (molten plastic).

Potential Environmental Effects

If processed scrap is controlled by the customer, no negative ecological effects are expected.

Section 4 First-Aid Measures

Inhalation

Remove affected individual to fresh air, seek medical attention if difficulties in breathing occur.

Skin

If skin has contact with molten material, place affected area under cold running water. Seek medical attention for removal of material from the affected area.

Eyes

If there is contact to the eyes with molten material, rinse with plenty of water and seek immediate medical attention. If plastic fines enter the eye, rinse with water for 15 minutes and seek immediate medical attention if irritation develops.

Section 5 Fire-Fighting Measures

Suitable Extinguishing Media Dry extinguisher, water, carbon dioxide, foam

Protective Equipment for Fire-Fighting

Firefighters should be equipped with self-contained breathing apparatus.

Hazardous Combustion Products

During a fire, Carbon Oxides and soot may be generated by combustion and thermal decomposition of the material.

Section 6 Accidental Release Measures

The Polystyrene material in sheet form is not applicable for this section.

Section 7 Handling and Storage

Handling

Protect against flame and intense heat.

Storage

Store in well ventilated area, avoid extreme heat and any source of ignition or open flame.

Section 7 Handling and Storage Continued

Secondary Use / Reprocessing

When reprocessing material for secondary use, ground all handling equipment. Keep material and dust produced away from high heat and flame. Use good housekeeping practices when reprocessing material.

Section 8 Exposure Controls and Personal Protection

Personal Protective Equipment

Respiratory Protection

During processing respiratory protection may not be necessary if ventilation is adequately provided. At excessive processing temperature, breathing protection may be required.

Hand Protection

Gloves may be required when processing the sheet due to sharp edges and when plastic is in the molten state.

Eye Protection

Safety glasses with side-shields are recommended.

General

Avoid contact with molten material on the skin, eyes and clothing. Handle product in accordance with good industrial hygiene and safety practices.

Section 9 Physical and Chemical Properties

Physical State and Appearance

Solid Polystyrene sheet

Molecular Formula

$(-\text{CH}(\text{C}_6\text{H}_5)-\text{CH}_2-)_x$

Melting/Freezing Point

>132.22 deg. C (270 deg. F)

Specific Gravity

1.02 - 1.08 (water = 1)

VOC 0 (%)

Section 10 Stability and Reactivity

Stability and Reactivity

This product in the finished state (sheet) is stable. Avoid temperatures of 600 deg. F (316 deg. C) or above.

Incompatibility with Various Substances

Reactive with strong oxidizing agents

Hazardous Decomposition Products

Hazardous decomposition Products are Carbon Monoxide, Carbon Dioxide and various hydrocarbons. Chemicals that are released from exposure to extremely high temperatures (600 deg. F or higher) include Styrene Moner, Benzene, and other hydrocarbons.

Section 11 Toxicological Information

Chronic Effects on Humans

Carcinogenic Effects - classified none by NTP, none by OSHA.

Other Toxic Effects on Humans

In plastic sheet form, not considered dangerous to humans.

Section 12 Ecological Information

No information is available, but no ecological hazard is suspected.

Section 13 Disposal Considerations

Waste Information

Transfer to an approved disposal area in accordance with federal, state and local regulations.

Section 14 Transport Information

DOT Classification

Not a DOT controlled material, (US).

Marine Pollutant

Not available but not suspected.

Special Provision for Transport

None listed.

TDG Classification

Not controlled under TDG, (Canada).

ADR/RID Classification

Not controlled under ADE, (Europe).

IMO/IMDG Classification

Not controlled under IMDG.

ICAO/IATA Classification

Not controlled under IATA.

Section 15 Regulatory Information

HCS Classification

Not controlled under HCS (US).

U.S. Federal Regulations

TSCA (Toxic Substance Control Act): This product is listed on the TSCA Inventory.

SARA 302/304/311/312 extremely hazardous substances: No products were found.

SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: No products were found.

SARA 311/312 MSDS distribution - chemical inventory - Hazard identification: No products were found.

SARA 313 Toxic Chemical Notification and release reporting: No products were found.

Clean water act (CWA) 307: No products were found.

Clean water act (CWA) 311: No products were found.

Clean air act (CAA) 112 accidental release prevention: No products were found.

Clean air act (CAA) 112 regulated flammable substances: No products were found.

Clean air act (CAA) 112 regulated toxic substances: No products were found.

International Regulations

WHNIS (Canada)

Not controlled under WHMIS, (Canada).

CEPA DSL: Polystyrene sheet (General Purpose).

EINECS Not available.

DSCL (EEC)

Not controlled under DSCL, (Europe).

International Lists Not available.

State Regulations

No products found. No proposition 65 chemicals present at levels that would require a warning under the California Safe Drinking Water and Toxic Enforcement Act.

Section 16 Other Information

Hazardous Material Information System (U.S.A)

Health	1
Fire Hazard	1
Reactivity	0
Personal Protection	

Polystyrene Date Prepared: June 14, 2004

The information listed within this MSDS is solely designated for the finished processed sheet. The information listed is, to the best of our knowledge, accurate and reliable. However, there is no warranty or guarantee that can be made to its accuracy, reliability or completeness. Primex will not accept liability for any loss or damage that may occur from the use of this information.

Prepared and Approved By: David Wolf
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