



## 1. PRODUCT AND COMPANY IDENTIFICATION

Company

Vynlex Waterstop and Accessories  
3400 Treecourt Industrial Blvd.  
St. Louis MO 63122

24 Hour Emergency Response Information

(800) 222- 5116

**Trade Name:** Primex Plastics Name Impax  
Polystyrene Sheet

**Vynlex Product(s):** Single Use Formliner , EB Cap, Zip Cap

## 2. COMPOSITION/ INFORMATION ON INGREDIENTS

CAS Number

9003-55-6  
9003-53-8

Component

Polystyrene  
Modified Polystyrene

## 3. HAZARDS IDENTIFICATION

Emergency Overview

The Polystyrene is not expected to be an inhalation hazard under normal processing conditions. If 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.

## 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.



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## 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.

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## 6. ACCIDENTAL RELEASE MEASURES

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

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## 7. HANDLING AND STORAGE

### **Handling**

Protect against flame and intense heat.

### **Storage**

Store in a well ventilated area, avoid extreme heat and any sources of ignition, or open flames.

### **Secondary Use/ Reprocessing**

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

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Personal Protective Equipment**

#### **Respiratory Protection**

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

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State and Appearance**

Solid Polystyrene Sheet

**Molecular Formula**

(-CH(C<sub>6</sub>H<sub>5</sub>)-CH<sub>2</sub>-)<sub>x</sub>

**Melting/Freezing Point**

>132.22 deg. C (270deg. F)

**Specific Gravity**

1.02-1.08 (water=1)

**VOC**

0 (%)

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**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)

**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.

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**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

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**12. ECOLOGICAL INFORMATION**

No information is available but no ecological hazard is suspected.



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### 13. DISPOSAL CONSIDERATIONS

#### **Waste Information**

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

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### 14. TRANSPORT INFORMATION

#### **DOT Classification**

Not a DOT controlled or regulated material (U.S.A)

#### **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.

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### 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.

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**16. OTHER INFORMATION**

**Hazardous Material Information System (U.S.A)**

<b>Health</b>	1
<b>Fire Hazard</b>	1
<b>Reactivity</b>	0
<b>Personal Protection</b>	

Polystyrene

Date Prepared: June 14,2004

The information listed within this MSDS is solely designed 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

Approval date: Aug. 25, 2005