



## Portico poly frames

Material Safety Data Sheet

### 1. PRODUCT AND COMPANY IDENTIFICATION

**ClearPath Signage Systems**  
 2040 Industrial Drive  
 Findlay, OH 45840  
 USA

**EMERGENCY PHONE NUMBERS:**  
 Medical: 911  
 Poison Control: 800-589-3897

<u>Telephone Numbers</u>	<u>Phone Number</u>	<u>Available Hours</u>
ClearPath Customer Service International	1-866-953-CPSS (2777) 419-425-8974	7:00am-5:00pm EST

Product Name: Portico poly frames  
 Product Synonym(s): Impact Modified Polystyrene, HIPS  
 Chemical Family: Polymer  
 Chemical Formula: Mixture  
 Chemical Name: Mixture  
 EPA Reg Number:  
 Product Use: Signage, Other

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient Name</u>	<u>CAS Registry Number</u>	<u>Typical Wt. %</u>	<u>OSHA</u>
Styrene-Butadiene Polymer	009003-56-9	92-100%	

The substance(s) marked with a "Y" in the OSHA column are identified as hazardous chemicals according to the criteria of the OSHA Hazardous Communication Standard (29 CFR 1910.1200).

While this material is not classified as hazardous under Federal OSHA regulations, this MSDS contains valuable information critical to the safe handling and proper use of this product. This MSDS should be retained and available for employees and other users of this product.

The components of this product are all on the TSCA Inventory list.

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW:

Various colors with characteristic odor. CAUTION! MELT PROCESSING RELEASES VAPORS WHICH MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION

#### POTENTIAL HEALTH EFFECTS:

Skin contact and inhalation of dust are expected to be the primary routes of occupational exposure to this material. As a finished product, it is a synthetic, high molecular weight polymer product. Due to its chemical and physical properties, this material does not require special handling other than the good industrial hygiene and safety practices employed with any industrial material of this type.



#### 4. FIRST AID MEASURES

IF IN EYES, immediately flush with plenty of water. Get medical attention if irritation persists.

IN CASE OF CONTACT, flush the area with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops and persists.

IF INHALED, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

#### 5. FIRE FIGHTING MEASURES

##### FIRE AND EXPLOSIVE PROPERTIES:

Auto-Ignition Temperature:	NA	
Flash Point:	345 °C-360 °C	Flash Point Method
Flammable Limits:	Upper: NA	
	Lower: NA	

##### EXTINGUISHING MEDIA:

Use water spray, carbon dioxide, foam or dry chemical.

##### FIRE FIGHTING INSTRUCTIONS:

Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand NIOSH approved or equivalent). Fire fighting equipment should be thoroughly decontaminated after use.

##### FIRE AND EXPLOSION HAZARDS:

Heated material can form flammable vapors with air.

##### HAZARDOUS COMBUSTION PRODUCTS

Styrene, butadiene, carbon dioxide, carbon monoxide

#### 6. ACCIDENTAL RELEASE MEASURES

##### IN CASE OF SPILL OR LEAK:

Contain spill. Sweep or scoop up and remove to suitable container. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

#### 7. HANDLING AND STORAGE

**HANDLING:** Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container closed. Use only with adequate ventilation.

**STORAGE:** Avoid temperature extremes during storage; ambient temperature preferred.



## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS: Adequate ventilation in work area is needed due to dust or vapors created during fabrication.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

EYE/FACE PROTECTION: Safety glasses or face shield should be used. If exposed to dust, chemical glasses may be required.

SKIN PROTECTION: No precautions other than clean body-covering clothing should be needed. Use insulated gloves for thermal protection, when desired.

RESPIRATORY PROTECTION: In dusty atmospheres, use an approved respirator.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/ODOR: Various colors, characteristic odor

BOILING POINT: N/A

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

SPECIFIC GRAVITY: 1.04 g/cc

## 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: Decomposition temperature is 300°C. Not resistant to oxidizing agents and dissolves in organic solvents.

## 11. TOXICOLOGY INFORMATION

ACUTE TOXICITY – General Material Information

High levels of exposure to dust may cause eye irritation. Contact with molten or heated material may cause burns. Vapors/heated may cause irritation to the respiratory system.

CHRONIC TOXICITY – General Material Information

N/A

## 12. ECOLOGICAL INFORMATION

MOVEMENT & PARTITIONING: In the terrestrial environment, material is expected to remain in the soil. In the aquatic environment, material will sink and remain in the sediment.

DEGRADATION & PERSISTENCE: This water insoluble polymeric solid is expected to be inert in the environment. Surface photo degradation is expected with exposure to sunlight. No appreciable biodegradation is expected.

ECOTOXICITY: Not expected to be acutely toxic, but chips may mechanically cause adverse effects if ingested by waterfowl or aquatic life.



### 13. DISPOSAL CONSIDERATIONS

Disposal must be in accordance with applicable governmental regulations.

### 14. TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION (D.O.T.): This product is not regulated by D.O.T. when shipped domestically by land.

CANADIAN TDG INFORMATION: This product is not regulated by TDG when shipped domestically by land.

### 15. REGULATORY INFORMATION

(Not meant to be all-inclusive – selected regulations represented)

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See other sections for health and safety information.

#### U.S. REGULATIONS

SARA 313 INFORMATION: To the best of our knowledge, this product contains no chemical subject to SARA Title III Section 313 supplier notification requirements.  
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STATE RIGHT-TO-KNOW: This product is not known to contain any substances subject to the disclosure requirements of:

New Jersey                      Pennsylvania  
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#### OSHA HAZARD COMMUNICATION STANDARD:

This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### CANADIAN REGULATIONS

WHMIS INFORMATION: The Canadian Workplace Hazardous Materials Information System (WHMIS) Classification for this product is:

This product is not a "Controlled Product" under WHMIS.

**16. OTHER INFORMATION**

NFPA HAZARD RATING (National Fire Protection Association):

Fire					FIRE: Materials that must be preheated before ignition can occur.
1					HEALTH: Materials that under emergency conditions would offer no hazard beyond that of ordinary combustible materials.
Health 0		0	Reactivity		REACTIVITY: Materials that in themselves are normally stable, even under fire exposure conditions.
–					
Special					

REASON FOR ISSUE:

The information herein is given in good faith, but no warranty, express or implied, is made. Consult Rowmark, Inc. for further information.