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| **SECTION 1: IDENTIFICATION** |

* 1. **Product Identifier Product Form:**
* Article

**Product Name:**

* Vinyl Fence and Railing

**Synonyms:**

* Ply Gem Fence, Ply gem Railing, Ply Gem Outdoor Structures (Arbors. Gazebos, Pergolas and Sun Shades
  1. **Intended Use of Product:**
* Home and Building Construction Component
  1. **Name, Address and Telephone of the Responsible Party**

Ply Gem Industries

2600 Grand Blvd. Suite 900

Kansas City, MO 64108

816-426-8200

[www.plygem.com](http://www.plygem.com)

* 1. **Emergency Telephone Number:** (CHEMTREC) 1-800-424-9300

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| **SECTION 2: HAZARDS IDENTIFICATION** |

**2.1 Classification of the Substance or Mixture:** Not Classified

**2.2 Label Elements:** Not applicable

2.3 **Other Hazards:**

**Other Hazards Not Contributing to the Classification**: Within the meaning of the OSHA Communication Standard (29 CFR 1910.1200): this product is considered a manufactured article and is not considered a hazard when used in a manner which is consistent with the label directions

**2.4 Unknown Acute Toxicity (GHS-US):** No data available

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| **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS** |

3.1 Substance: Not Applicable

3.2 Mixture

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| Name | Product Identifier | % (w/w) | Classification (GHS-US) |
| Vinyl Fence and Railing | N/A (article) | 100 | Not Classified |
| **SECTION 4: FIRST AID MEASURES** | | | | |

4.1 **Description of First Aid Measures:**

* First Aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.
* First Aid Measure Inhalation: First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, move person to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.
* First Aid Measures After Skin Contact: First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. Wash skin with soap and water. If signs/symptoms develop, get medical attention.
* First Aid Measures After Eye Contact: First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If contact with material occurs flush eyes with water. If signs/symptoms develop, get medical attention.
* First Aid Measures After Ingestion: First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If swallowed, DO NOT induce vomiting. Get medical attention.

**4.2 Most important symptoms and effects, both acute and delayed:**

* Under normal conditions of use, no health effects are expected.
  1. **Indication of any immediate medical attention and special treatment needed**
* If medical advice is needed, have product container or label at hand.
* Notes to Physician: No specific actions or treatments recommended related to exposure to this material.

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| **SECTION 5: FIRE FIGHTING MEASURES** |

**5.1 Extinguishing media**

* Suitable Extinguishing Media
  + Use extinguishing media appropriate for surrounding fire.
* Unsuitable Extinguishing Media
  + No data available
* Special hazards arising from the substance or mixture
  + Fire Hazards
    - Not considered flammable but will burn at high temperatures.
    - Toxic or irritating vapors, including hydrogen chloride, carbon dioxide, carbon monoxide, small amounts of aliphatic hydrocarbons, aldehydes and other organic acids may be generated when the product is subject to heating or in a fire situation.
  + Explosion Hazards:
    - Product is not explosive
  + Reactivity Hazards:
    - Hazardous reactions will not occur under normal conditions

5.3 **Advice for firefighters**

* Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.
* Precautionary Measures Fire:
  + Exercise caution when fighting any chemical fire
* Firefighting Instructions:
  + Do not breathe fumes or vapors from fire
* Protection during firefighting:
  + Do not enter fire area without proper protective equipment, including respiratory protection.
* Other Information:
  + Refer to Section 9 for flammability properties.

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| **SECTION 6: ACCIDENTIAL RELEASE MEASURES** |

* 1. **Personal precautions, protective equipment and emergency procedures**
* No special precautions expected to be necessary if material is used under ordinaryconditions and as recommended.
* For Non-Emergency Personnel
  + Protective Equipment: Use appropriate personal protection equipment (PPE)
  + Emergency Procedures: Evacuate unnecessary personnel
* For Emergency Responders
  + Protective Equipment: Equip clean-up crew with proper protection
  + Emergency Procedures: Ventilate Area
  1. **Environmental Precautions**
* Prevent entry to sewers and public waters
  1. **Methods and Material for Containment and Cleaning up**
* For Containment: Contain and collect as any solid
* Methods for cleaning up: Carefully shovel or sweep up spilled material and place in suitable container. This product should not be burned as construction waste.
  1. **Reference to Other Sections**
* See Section 8, Exposure Controls and Personal Protection. Concerning disposal elimination after cleaning, See Section 13

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| **SECTION 7: HANDLING AND STORAGE** |

**7.1. Precautions for Safe Handling Additional Hazards When Processed:**

* Additional Hazards When Processed:
  + Use care during processing to minimize generation of dust. Avoid dust production that exceeds permissible exposure limits.
* Hygiene Measures:Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

**7.2 Conditions for Safe Storage, Including Any Incompatibilities**

* **Storage Conditions:** Store in a dry, cool and well-ventilated place.

**7.3. Specific End Use(s)**

* Home and Building Construction Component

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| **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION** |

* 1. **Control Parameters**
* For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), or OSHA (PEL).
  1. **Exposure Controls**
* Appropriate Engineering Measures/Controls
  + No special ventilation systems are required under normal conditions of use.
* Personal Protective Equipment:
  + Not generally required. The use of personal protective equipment may be necessary as convictions warrant.
    - Respiratory • Under normal conditions of use no special protection is required.
    - Eye/Face • Safety glasses with side shields should be worn at a minimum when cutting product.
    - Hands • Wear leather or cotton gloves when handling large pieces and during operations such as sawing, routing or drilling.
    - Skin/Body • Normal work clothing (long sleeved shirts and long pants) is recommended.
  1. **Environmental Exposure Controls**
* Follow best practice for site management and disposal of waste.

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| **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES** |

**9.1 Information on Basic Physical and Chemical Properties**

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| **Physical State** | Solid |
| **Appearance** | Various colors |
| **Odor** | Plastic, resin odor |
| **Odor Threshold** | No data available |
| **pH** | N/A |
| **Evaporation Rate** | No data available |
| **Melting Point** | Not determined |
| **Freezing Point** | No data available |
| **Boiling Point** | No data available |
| **Flash Point** | No data available |
| **Auto-ignition** | No data available |
| **Temperature** | No data available |
| **Decomposition Temperature** | No data available |
| **Flammability (solid, gas)** | No data available |
| **Vapor Pressure** | No data available |
| **Relative Vapor** | No data available |
| **Density at 20 °C** | No data available |
| **Relative Density** | No data available |
| **Specific Gravity** | 1.25 - 1.5 |
| **Solubility** | Water: None |
| **Partition Coefficient: N-Octanol/Water** | No data available |
| **Viscosity** | Not applicable |

**9.2. Other Information**

* No additional information available

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| **SECTION 10: STABILITY AND REACITIVITY** |  |

**10.1 Reactivity**

* No dangerous reaction known under conditions of normal use.
  1. **Chemical stability**
* Stable under normal temperatures and pressures.
  1. **Possibility of hazardous reactions**
* Hazardous polymerization will not occur.
  1. **Conditions to avoid**
* Keep away from heat, sparks, and flame.
  1. **Incompatible materials**
* None
  1. **Hazardous decomposition products**
* No data available

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| **SECTION 11: TOXICOLOGICAL INFORMATION** |

**11.1 Information on Toxicological Effects**

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| **GHS Properties** | **Classification** |
| **Acute toxicity** | **OSHA HCS 2012** • Not relevant |
| **Skin corrosion/Irritation** | **OSHA HCS 2012** • Not relevant |
| **pH** | **OSHA HCS 2012** • Not relevant |
| **Serious eye damage/Irritation** | **OSHA HCS 2012** • Not relevant |
| **Respiratory or Skin Sensitization** | **OSHA HCS 2012** • Not relevant |
| **Germ Cell Mutagenicity** | **OSHA HCS 2012** • Not relevant |
| **Carcinogenicity** | **OSHA HCS 2012** • Not relevant |
| **Toxicity for Reproduction** | **OSHA HCS 2012** • Not relevant |
| **Specific Target Organ Toxicity (Single Exposure):** | **OSHA HCS 2012** • Not relevant |
| **Specific Target Organ Toxicity (Repeated Exposure):** | **OSHA HCS 2012** • Not relevant |
| **Aspiration Hazard** | **OSHA HCS 2012** • Not relevant |
| **Symptoms/Injuries After Inhalation** | Not expected to present a significant inhalation hazard under anticipated conditions of normal use. |
| **Symptoms/Injuries After Skin Contact** | Not irritating to skin. |
| **Symptoms/Injuries After Eye Contact** | Eye contact is not considered a potential route of exposure. |
| **Symptoms/Injuries After Ingestion** | Ingestion is likely to be harmful or have adverse effects. |
| **Chronic Symptoms:** | None expected under normal conditions of use. |

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| **SECTION 12: ECOLOGICAL INFORMATION** |

**12.1 Toxicity**

* No additional information available

**12.2 Persistence and Degradability**

* No additional information available

**12.3. Bioaccumulative Potential**

* No additional information available

**12.4. Mobility in Soil**

* No additional information available

**12.5. Other Adverse Effects**

* No additional information available

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| **SECTION 13: DISPOSAL CONSIDERATIONS** |

**13.1 Waste treatment methods Waste Disposal Recommendations:**

* Dispose of waste material in accordance with all local, regional, national, and international regulations.
  + Product waste
    - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
  + Packaging waste
    - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

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| **SECTION 14: TRANSPORTATION INFORMATION** |

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|  | **UN number** | | **UN proper shipping name** | **Transport hazard class(es)** | | **Packing group** | | **Environmental hazards** | |
| DOT | NDA | Not regulated | | | NDA | | NDA | | NDA |

**14.1 In Accordance with DOT**

* Not regulated for transport

**14.2. In Accordance with IMDG**

* Not regulated for transport

**14.3. In Accordance with IATA**

* Not regulated for transport

**14.4 Special precautions for user**

* No data available
  1. **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
* No data available

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| **SECTION 15: REGULATORY INFORMATION** |

15.1 **United States**

* Occupational Health and Safety Administration (OSHA)
  + Process Safety Management - Highly Hazardous Chemicals
    - Not Listed
  + Specifically, Regulated Chemicals
    - Manufactured products from plastics and plastic polymers are considered manufactured articles and are exempt under OSHA’s Hazard Communication Standard 29 CFR 1910.1200 (c).
      * Sawing, cutting of this manufactured product may release dust that could be hazardous – Refer to Section 8 of this document.
      * Burning, or excessive heating of this manufactured product may release toxic gases (Hydrogen Chloride). Refer to section 8 of this document

* Environmental Protection Agency (EPA)
  + Releases of this material to air or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA: 40 CFR 302.4) or to State and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA), Title III, Section 304.
  1. **United States – California**
* California Safe Drinking Water and Toxics Enforcement Act (Proposition 65)
  + The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):
    - **WARNING!** This product contains a chemical known to the state of California to cause cancer.
  1. **Other State Regulations**
* Other state regulations may apply. Check individual state requirements.

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| **SECTION 16: OTHER INFORMATION** |

* 1. **Latest Revision Date:** 08/03/2018
  2. **Other Information**
* This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
* *This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*