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| **SECTION 1: IDENTIFICATION** |

* 1. **Product Identifier**
* **Product Form:** Article
* **Product Name:** Vinyl Siding and Other Accessories
* **Synonyms:** Siding, Vinyl Trim, Poly Vinyl Chloride, PVC, Chloroethylene Polymer
	1. **Intended Use of the Product**
* Home and Building Construction Component.

**1.3. Name, Address, and Telephone of the Responsible Party**

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| Ply Gem Industries2600 Grand Blvd, Suite 900Kansas City, MO 64108 | Phone # 816-436-8200Website: [www.plygem.com](http://www.plygem.com) |

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

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| **SECTION 2: HAZARDS IDENTIFICATION** |

**2.1. Classification of the Substance or Mixture**

**Classification (GHS-US)**

* Not classified

**2.2. Label Elements**

**GHS-US Labeling**

* No labeling applicable

**2.3. Other Hazards**

**Other Hazards Not Contributing to the Classification**:

* Within the meaning of the OSHA Hazard 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 labeled directions.
* If heated to decomposition, toxic fumes may be released.

**IF DUSTS OR FUMES ARE GENERATED BY PROCESSING**:

* **Inhalation**: Can cause irritation of upper respiratory tract
* **Eyes**: Can cause irritation.
* **Skin**: Can cause irritation. Contact with molten material can cause thermal burns.

**ROUTES OF ENTRY**:

* Inhalation or eye contact.

**POTENTIAL ACUTE HEALTH EFFECTS:**

* None expected with normal use
* Contact with molten material can cause thermal burns.
* Combustible at high temperatures. Self-extinguishes if flame or heat source is removed.

**2.4. Unknown Acute Toxicity (GHS-US)**

* No data available

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

**3.1. Mixtures**

Vinyl Siding and Accessories are manufactured articles as defined under 29 CFR 1910.1200 (c).

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| **COMPOSITION** |
| **CHEMICAL NAME** | **CAS #** | **%** |
| Polyvinyl chloride compound | Proprietary | 85% - 99% |
| Colorant | Proprietary | <1% |
| ASA (Acrylonitrile-styrene acrylate copolymer (Certain Dark Colors) | Proprietary | 0 – 15% |
| Expanded Polystyrene Foam (styrene) (Insulated Vinyl Siding Only | Proprietary | 0.1% - 1% |

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| **SECTION 4 DESCRIPTION OF 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 Measures After Inhalation**:

* If symptoms occur: go into open air and ventilate suspected area.

**First-aid Measures after Skin Contact**:

* Wash with plenty of soap and water.

**First-aid Measures After Eye Contact**:

* Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**First-aid Measures After Ingestion**:

* Rinse mouth. Do NOT induce vomiting.

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

**Symptoms/Injuries:**

* None expected under normal conditions of use.

**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.

**Indication of Any Immediate Medical Attention and Special Treatment Needed**

* If medical advice is needed, have product container or label at hand.

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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:**

* Do not use a heavy water stream. Use of heavy stream of water may spread fire.

**5.2. Special Hazards Arising from the Substance or Mixture**

**Fire Hazard:**

* While not considered "flammable" or "combustible" as defined by OSHA or DOT, the material will burn if exposed to a strong ignition source.

**Explosion Hazard:**

* Product is not explosive.
* Dust or fines, generated by cutting, when dispersed in the air can be explosive if subjected to a strong ignition source.

**Extinguishing Media**

* Use dry chemical, water spray (fog) or foam

**Reactivity:**

* Hazardous reactions will not occur under normal conditions.

**5.3. Advice for Firefighters**

**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** |

**6.1. Personal Precautions, Protective Equipment and Emergency Procedures**

**General Measures**:

* No special measures required.

**For Non-Emergency Personnel**

* **Protective Equipment:**
	+ Use appropriate personal protection equipment (PPE).
* **Emergency Procedures:**
	+ Evacuate unnecessary personnel.

**For Emergency Responders**

* **Protective Equipment:**
	+ Equip cleanup crew with proper protection.
* **Emergency Procedures:**
	+ Ventilate area.

**6.2. Environmental Precautions**

* Prevent entry to sewers and public waters.

**6.3. Methods and Material for Containment and Cleaning Up** **for Containment:**

* Contain and collect as any solid.

**Methods for Cleaning Up:**

* Collect spillage. Clean up spills immediately and dispose of waste safely.

**6.4. Reference to Other Sections**

* See heading 8, Exposure Controls and Personal Protection. Concerning disposal elimination after cleaning, see item 13.

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

**7.1. Precautions for Safe Handling**

**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** |

**8.1. 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).

**8.2. Exposure Controls**

* **Appropriate Engineering Controls**
	+ Ensure all national/local regulations are observed
* **Personal Protective Equipment**
	+ Not generally required. The use of personal protective equipment may be necessary as conditions warrant

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

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

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

* No additional information available

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| **SECTION 10: STABILITY AND REACTIVITY** |

**10.1. Reactivity:**

* Hazardous reactions will not occur under normal conditions.

**10.2. Chemical Stability:**

* Stable at standard temperature and pressure.

**10.3. Possibility of Hazardous Reactions:**

* Hazardous polymerization will not occur.

**10.4. Conditions to Avoid:**

* Not available

**10.5. Incompatible Materials:**

* None known.

**10.6. Hazardous Decomposition Products:**

* Thermal decomposition generates: Carbon oxides (CO, CO2). Hydrogen chloride.

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| **SECTION 11: TOXICOLOGICAL INFORMATION** |

**11.1. Information on Toxicological Effects**

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| Acute Toxicity | Not classified |
| Skin Corrosion/Irritation | Not classified |
| pH | N/A |
| Serious Eye Damage/Irritation | Not classified |
| Respiratory or Skin Sensitization | Not classified |
| Germ Cell Mutagenicity | Not classified |
| Carcinogenicity | Not classified |
| Reproductive Toxicity | Not classified |
| Specific Target Organ Toxicity (Single Exposure) | Not classified |
| Specific Target Organ Toxicity (Repeated Exposure) | Not classified |
| Aspiration Hazard | Not classified |
| 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. Bio accumulative 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.

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| **SECTION 14: TRANSPORT INFORMATION** |

* 1. **In accordance with DOT**:
* Not regulated for transport
	1. **In Accordance with IMDG:**
* Not regulated for transport
	1. **In Accordance with IATA**:
* Not regulated for transport

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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 INFORAMTION**  |

**Revision Dates:** 04/07/2015

05/24/2018

**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.*