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| **SECTION 1: IDENTIFICATION** |

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

 **Product Name:** Copolymer Siding, Gables, Vents, Mounts, Accessories

 **Synonyms:** Siding, Gable Vents, Ridge Vents, Fixture Mounts, Dryer Vents, Accessories

* 1. **Intended Use of the Product: Use of the substance/mixture:** Home and Building Construction Component
	2. **Name, Address, and Telephone of the Responsible Party**

 **Company:** Ply Gem Industries

2600 Grand Blvd, Suite 900

 64108 Kansas City, MO

 816-426-8200

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

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

**Copolymer Siding, Gables, Vents, Mounts, Accessories**

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| **SECTION 2: HAZARDS IDENTIFICATION** |

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

**Classification (GHS-US)**

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.

**2.2. Label Elements**

**GHS-US Labeling**

No labeling applicable

**2.3. Other Hazards**

The health effects listed below are not likely to occur unless processing or combustion of this product generates dust or fumes. Dust and fume from processing can cause irritation of eyes, skin and upper respiratory tract. Contact with molten material can cause thermal burns.

**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** | **%** | **Classification (GHS-US)** |
| Ethylene-propylene copolymer | (CAS No) 9010-79-1 | 85 - 100 | Not classified |
| Limestone | (CAS No) 1317-65-3 | 0 - 15 | Not classified |

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| **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 Measures After Inhalation**: When symptoms occur:

* Go into open air and ventilate suspected area.
* Obtain medical attention if breathing difficulty persists.

**First-aid Measures After Skin Contact**: Wash with plenty of soap and water. In molten form: Cool skin rapidly with cold water after contact with molten product, Removal of solidified molten material from skin may require medical assistance.

**First-aid Measures After Eye Contact**: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

**First-aid Measures After Ingestion**: Rinse mouth. Do NOT induce vomiting. Seek medical attention.

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

**Symptoms/Injuries:** None expected under normal conditions of use. The health effects listed below are not likely to occur unless dust or fumes are generated by processing.

**Symptoms/Injuries After Inhalation:** Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure. Inhalation of fumes or vapors may cause respiratory irritation.

**Symptoms/Injuries After Skin Contact:** Repeated or prolonged skin contact may cause irritation. Risk of thermal burns on contact with molten product

**Symptoms/Injuries After Eye Contact:** Dust from this product may cause minor eye irritation. Fumes from thermal decomposition may cause eye irritation. Risk of thermal burns on contact with molten product.

**Symptoms/Injuries After Ingestion:** If large amounts are ingested: Gastrointestinal irritation.

**Chronic Symptoms:** None expected under normal conditions of use.

**4.3. 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:** Dry chemical, water spray, regular foam.

 **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:** Not considered flammable but will burn at high temperatures.

 **Explosion Hazard:** Accumulation and dispersion of dust with an ignition source can cause a combustible dust explosion. Keep dust levels to a minimum and follow applicable regulations.

 **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:** Avoid inhalation of material or combustion by-products. Do not allow run-off from firefighting to enter drains or water sources. Use water spray or fog for cooling exposed containers.

 **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: ACCIDENTAL RELEASE MEASURES** |

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

 **General Measures**: No special measures required.

 **6.1.1. For Non-Emergency Personnel**

 **Protective Equipment:** Use appropriate personal protection equipment (PPE).

 **Emergency Procedures:** Evacuate unnecessary personnel.

 **6.1.2. 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:** No specific measures are necessary.

 **Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal. Utilize a dust suppressant when removing mechanically.

**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:** Dust generated from processing may present a dust explosion hazard. Where excessive dust may result, use approved respiratory protection equipment.

 **Precautions for Safe Handling:** Avoid creating or spreading dust.

 **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 when leaving work.

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

 **Storage Conditions:** Keep away from heat, sparks and flame.

 **Incompatible Products:** Strong acids. Strong bases. Strong oxidizers.

 **Storage Area:** Store in a well-ventilated place. Keep cool.

**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).

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| **Limestone (1317-65-3)** |
| **USA NIOSH** | NIOSH REL (TWA) (mg/m³) | 10 mg/m³ (total dust)5 mg/m³ (respirable dust) |
| **USA OSHA** | OSHA PEL (TWA) (mg/m³) | 15 mg/m³ (total dust)5 mg/m³ (respirable fraction) |

**8.2. Exposure Controls**

**Appropriate Engineering Controls**: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

**Personal Protective Equipment**: In case of dust production: protective goggles.

Dust formation: dust mask.

**Materials for Protective Clothing**: Not required for normal conditions of use.

**Hand Protection**: Not required for normal conditions of use.

**Eye Protection**: In case of dust production: protective goggles.

**Skin and Body Protection**: Not required for normal conditions of use.

**Respiratory Protection**: Use NIOSH-approved dust mask if dust has the potential to become airborne.

**Thermal Hazard Protection**: If material is hot, wear thermally resistant protective gloves.

**Environmental Exposure Controls**: Avoid release to the environment.

**Consumer Exposure Controls**: Do not eat, drink or smoke during use.

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

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

Physical State Solid

 Appearance Various colors

 Odor None

 Odor Threshold No data available

 pH Not applicable

 Evaporation Rate No data available

 Melting Point No data available

 Freezing Point No data available

 Boiling Point Not applicable

 Flash Point Not applicable

 Auto-ignition Temperature No data available

 Decomposition Temperature No data available

 Flammability (solid, gas) No data available

 Vapor Pressure No data available

 Relative Vapor Density at 20 °C No data available

 Relative Density No data available

 Specific Gravity 0.9 - 1.3

 Solubility Water: None

 Partition Coefficient: N-Octanol/Water No data available

 Viscosity No data available

**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 under recommended handling and storage conditions (see section 7).

**10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**10.4. Conditions to Avoid:** Sparks, heat, open flame and other sources of ignition.

**10.5. Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers. Some chlorinated and non-chlorinated hydrocarbon solvents.

**10.6. Hazardous Decomposition Products:** Thermal decomposition generates: Carbon oxides (CO, CO2). Low molecular weight hydrocarbon fragments. During thermal processing, trace amounts of aldehydes, organic acids, and alcohols can also be produced.

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| **SECTION 11: TOXICOLOGICAL INFORMATION** |

**11.1. Information on Toxicological Effects**

 **Acute Toxicity:** Not classified

 **Skin Corrosion/Irritation:** Not classified **pH:** Not applicable

 **Serious Eye Damage/Irritation:** Not classified **pH:** Not applicable

 **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:** Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure. Inhalation of fumes or vapors may cause respiratory irritation.

**Symptoms/Injuries After Skin Contact:** Repeated or prolonged skin contact may cause irritation. Risk of thermal burns on contact with molten product.

**Symptoms/Injuries After Eye Contact:** Dust from this product may cause minor eye irritation. Fumes from thermal decomposition may cause eye irritation. Risk of thermal burns on contact with molten product.

**Symptoms/Injuries After Ingestion:** If large amounts are ingested: Gastrointestinal irritation.

**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.

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| **SECTION 14: TRANSPORT INFORMATION** |

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

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| **SECTION 15: REGULATORY INFORMATION** |

* 1. **US Federal Regulations**

 **Ethylene-propylene copolymer (9010-79-1)**

* Listed on the United States TSCA (Toxic Substances Control Act) inventory

 **Limestone (1317-65-3**

* Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2 **US State Regulations**

 **Ethylene-propylene copolymer (9010-79-1)**

* U.S. - Texas - Effects Screening Levels - Long Term
* U.S. - Texas - Effects Screening Levels - Short Term

 **Limestone (1317-65-3)**

* U.S. - Idaho - Occupational Exposure Limits – TWAs
* RTK - U.S. - Massachusetts - Right To Know List
* U.S. - Michigan - Occupational Exposure Limits - TWAs
* U.S. - Minnesota - Hazardous Substance List
* U.S. - Minnesota - Permissible Exposure Limits - TWAs
* RTK – U.S. - New Jersey - Right to Know Hazardous Substance List
* U.S. - New York - Occupational Exposure Limits - TWAs
* U.S. - Oregon - Permissible Exposure Limits - TWAs
* RTK – U.S. - Pennsylvania - RTK (Right to Know) List
* U.S. - Tennessee - Occupational Exposure Limits - TWAs
* U.S. - Texas - Effects Screening Levels - Long Term
* U.S. - Texas - Effects Screening Levels - Short Term
* U.S. - Vermont - Permissible Exposure Limits - TWAs
* U.S. - Washington - Permissible Exposure Limits – STELs
* U.S. - Washington - Permissible Exposure Limits – TWAs

**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 and birth defects, or other reproductive harm.

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| **SECTION 16: OTHER INFORMATION** |

16.1 Revision Date 08/03/2018

18.2 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.*

SDS US (GHS HazCom)