

Safety Data Sheet

according to OSHA HCS, NOM 018-STPS-2015, HPR Schedule 1

Date Printed: 02/18/2026

Version 10

Revision Date: 02/17/2026


1 Identification of the Substance/Mixture and of the Company/Undertaking

- **Product Identifier:** Formolene® High Density Polyethylene-Butene Copolymer
- **Synonyms:** HDPE-B Copolymer
- **Product Code:** E4----, E6----, E8----, E9----
- **CAS Number:**
25087-34-7
- **Product Application:** Resin, extrusion and compounding, plastic molding, molded articles, films and coatings.
- **Manufacturer/Supplier:**
Formosa Plastics Corporation, Texas
201 Formosa Drive
Point Comfort, TX 77978 USA
+1 (361) 987-7000
E-Mail: MSDS@fpcusa.com

- **Emergency Telephone Number:**
In case of a chemical emergency, contact CHEMTREC (24 hrs) at:
+1 (800) 424-9300 (United States, Canada, Puerto Rico, Virgin Islands)
+1 (703) 527-3887 (International & Maritime)

2 Hazards Identification

- **Classification of the Substance or Mixture:**
Combustible Dust May form combustible dust concentrations in air.
- **Hazards Not Otherwise Classified:**
Molten material may cause thermal burns.
Spilled pellets present slip and fall hazard.
- **Hazard Pictograms:** Not applicable.
- **Signal Word:** WARNING
- **Hazard Statements:**
Combustible dust.
May form combustible dust concentrations in air.
- **Precautionary Statements:**
Product is a static accumulator.
P240 Ground and bond containers and receiving equipment.
P210 Keep away from sparks and open flame.

- **NFPA Ratings (scale 0 - 4):**

Health = 0
Fire = 1
Reactivity = 0
- **Additional Information:**
If you do not understand the hazards or safety precautions described in this data sheet, contact your supervisor or safety administrator before handling this product.

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3 Composition/Information on Ingredients

- **Substances:**
- **CAS No. Description**
25087-34-7 ethylene-butene copolymer (>99%)

4 First Aid Measures

- **General information:** Provide symptomatic and supportive care.
- **After Inhalation:**
Remove victim to fresh air.
Administer oxygen if breathing is difficult.
Administer artificial respiration if breathing has stopped.
Get medical assistance if irritation or other symptoms develop.
- **After Skin Contact:**
After contact with the molten product, cool rapidly with cold water.
Do not pull solidified product away from the skin.
Get medical attention.
- **After Eye Contact:**
In case of accidental contact, immediately flush eyes with water.
Hold eyelids open to ensure adequate flushing.
Get medical assistance if irritation or other symptoms develop.
- **After Swallowing:**
Administer 1-2 glasses of water to dilute ingested material.
Never give anything by mouth to an unconscious person.
Get medical attention.
- **Most Important Symptoms and Effects:** No further relevant information available.

5 Firefighting Measures

- **Suitable Extinguishing Agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray.
- **Special Firefighting Hazards:**
Product is supplied as pellets. Dust formed during processing or handling may form combustible dust concentrations in air.
- **Protective Equipment:**
In the event of a fire, wear a NIOSH (USA) or CEN (EU) approved self-contained breathing apparatus (SCBA) and full protective clothing.

6 Accidental Release Measures

- **Personal Precautions, Protective Equipment and Emergency Procedures:**
Avoid dust formation.
Wear appropriate personal protective equipment during all clean-up activities. See Section 8 for more information.
Avoid inhalation and direct contact.

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- **Personal Protective Equipment:**
- **General Protective and Hygienic Measures:** Wash thoroughly after handling.
- **Respiratory Protection:** None required under normal conditions of use.
- **Hand Protection:**



Work gloves.

- **Eye/Face Protection:**



Safety glasses with side shields.

- **Body Protection:** Protective work clothing
 - **Additional Information:**
If unusual exposures are expected, an industrial hygiene review of work practices, engineering controls and personal protective equipment is recommended.
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9 Physical/Chemical Properties

- **Information on Basic Physical and Chemical Properties**
- **Appearance:**
 - Physical State:** Pellets
 - Color:** White
- **Odor:** Odorless
- **Odor Threshold:** Not determined
- **pH:** Not determined
- **Melting Point/Freezing Point:** 131 °C (267.8 °F)
- **Boiling Point:** Not determined.
- **Flash Point:** 335 °C (635 °F)
- **Flammability:** Product is not flammable.
- **Autoignition Temperature:** 342 °C (647.6 °F)
- **Decomposition Temperature:** Not determined
- **Auto-Ignition Temperature:** Not determined
- **Explosion Limits:**
 - Lower Explosive Limit (LEL):** Not determined
 - Upper Explosive Limit (UEL):** Not determined
- **Vapor Pressure:** Not determined

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- **Density at 20 °C (68 °F):** 0.919-0.953 g/cm³ (7.67-7.95 lbs/gal)
 - **Vapor Density:** Not applicable
 - **Evaporation Rate:** Not determined
 - **Solubility:**
 - **Water:** Insoluble.
 - **Partition Coefficient (n-octanol/water):** Not determined
 - **Viscosity:** Not determined.
 - **Other Information:** No further relevant information available.
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10 Stability and Reactivity

- **Reactivity:** No further relevant information available.
 - **Chemical Stability:** Stable under anticipated conditions of use.
 - **Conditions to Avoid:**
Combustible dust. May form combustible dust concentrations in air.
Stable up to melting point.
 - **Possibility of Hazardous Reactions/Incompatible Materials:** No dangerous reactions known.
 - **Hazardous Decomposition Products:** No dangerous decomposition products known.
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11 Toxicological Information

- **Acute Toxicity:** This product is not acutely toxic.
 - **Skin Irritation:** Not expected to cause skin irritation.
 - **Eye Irritation:** Mechanical eye irritation.
 - **Respiratory Irritation:** May cause respiratory irritation.
 - **Respiratory or Skin Sensitization:** No sensitizing effects known.
 - **Subacute to Chronic Toxicity:** No data available.
 - **Endocrine Disrupting Properties:** Substance is not listed.
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12 Ecological Information

- **Aquatic Toxicity:** No data available.
- **Persistence and Degradability:** No data available.
- **Bioaccumulative Potential:** No data available.
- **Mobility in Soil:** No further relevant information available.

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- **Endocrine Disrupting Properties:**

The product does not contain substances with endocrine disrupting properties.

13 Disposal Considerations

- **Disposal Instructions:**

Dispose of waste in accordance with applicable laws and regulations.
Maximize product recovery for reuse or recycling.

14 Transport Information

- **UN Number:**

- **DOT, ADR, ADN, IMDG, IATA** Not applicable.

- **UN Proper Shipping Name:**

- **DOT, ADN, IMDG, IATA** Not applicable.

- **Transport Hazard Class(es):**

- **DOT, ADR, ADN, IMDG, IATA**

- **Class:** Not applicable.

- **Packing Group:**

- **DOT, ADR, IMDG, IATA** Not applicable.

- **Environmental Hazards:** Not applicable

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable

- **Additional Information:**

- **DOT:**

- **Remarks:** This product is not regulated as a hazardous material/dangerous good for transportation.

- **UN "Model Regulation":** Not applicable.

15 Regulatory Information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **U.S. Superfund Amendments & Reauthorization Act (SARA) 355 (Extremely Hazardous Substances):**
Substance is not listed.

- **U.S. Superfund Amendments & Reauthorization Act (SARA) 313 (Specific Toxic Chemical Listings):**
Substance is not listed.

- **U.S. Toxic Substances Control Act (TSCA):** ACTIVE

- **Hazardous Air Pollutants** Substance is not listed.

- **California Proposition 65 Carcinogens:** Substance is not listed.

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- **New Jersey Right-to-Know List:** Substance is not listed.
- **New Jersey Special Hazardous Substance List:** Substance is not listed.
- **Pennsylvania Right-to-Know List:** Substance is not listed.
- **Pennsylvania Special Hazardous Substance List:** Substance is not listed.
- **Canadian Substance Listings:**
- **Canadian Domestic Substances List (DSL):** Substance is listed.
- **Canadian Non-Domestic Substances List (NDSL)** Substance is not listed.
- **Canadian Ingredient Disclosure List (limit 0.1%)** Substance is not listed.
- **Canadian Ingredient Disclosure List (limit 1%)**: Substance is not listed.
- **GHS Label Elements:**
The substance is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard Pictograms:** Not applicable.
- **Signal Word:** WARNING
- **Hazard Statements:**
Combustible dust.
May form combustible dust concentrations in air.
- **Precautionary Statements:**
Product is a static accumulator.
P240 Ground and bond containers and receiving equipment.
P210 Keep away from sparks and open flame.
- **Chemical Safety Assessment:** A Chemical Safety Assessment has not been carried out.

* 16 Other Information

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- **Department Issuing Safety Data Sheet:** Corporate Environment, Safety, & Communications
- **Abbreviations & Acronyms:**
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
- **Sources & References:** * - Indicates that data has been updated from the previous version.