

Safety Data Sheet

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

Date Printed: 02/12/2026

Version 10

Revision Date: 01/16/2026

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

- **Product Identifier:** Formolene® High Density Polyethylene Homopolymer
- **Synonyms:** HDPE Homopolymer
- **Product Code:** HB6----, HP6----, L3----, DL3----, LH6----
- **CAS Number:**
9002-88-4
- **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:**
May form combustible dust concentrations in air.
- **Precautionary Statements:**
Product is a static accumulator.
P210 Keep away from sparks and open flame.
P240 Ground and bond containers and receiving equipment.

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



- **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**
9002-88-4 polyethylene (>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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- **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 |
| · Density at 20 °C (68 °F): | 0.964 g/cm ³ (8.04 lbs/gal) |
| · Vapor Density: | Not determined |

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- **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.
- **Carcinogen Classification:**
- **Substances Classified by IARC (International Agency for Research on Cancer):**
An IARC group 3 agent is not classifiable as to its carcinogenicity in humans.

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- **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.
P210 Keep away from sparks and open flame.
P240 Ground and bond containers and receiving equipment.
- **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.