

## Safety Data Sheet

according to 1907/2006/EC, Article 31

Date Printed: 02/23/2017

Version 4

Date Reviewed: 01/31/2017

### Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

- **Product Identifier: Formolene® Polypropylene Copolymer**
  - **Synonyms:** propene-ethene copolymer, PP-CP
  - **Product Code:** 2----, 3----, 6----
  - **CAS Number:**  
9010-79-1
  - **Product Use:** 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
  - **European REACH Representative:** Intertek France
  - **Business Division:** Polypropylene
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- **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)

### \* Section 2: Hazards Identification

- **Hazard Classification:**  
The product is not classified according to the Globally Harmonized System (GHS) for classification and labeling of chemicals.
- **Other Hazards:**  
Molten material may cause thermal burns.  
Product is supplied as pellets. If product is milled or ground, dust may form an explosive atmosphere when dispersed in air.
- **Signal Word:** Not Applicable

- **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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## \* Section 3: Composition/Information on Ingredients

- **Substances:**
- **CAS No. Description**  
9010-79-1 propylene-ethylene copolymer (>99%)

## Section 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.

## Section 5: Firefighting Measures

- **Suitable Extinguishing Agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.
- **Special Firefighting Hazards:**  
Product is supplied as pellets. If product is milled or ground, dust may form an explosive atmosphere when dispersed 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.

## \* Section 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.

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- **Environmental Precautions:** Keep spilled material out of sewage/drainage systems and waterways.
  - **Methods for Containment and Clean-Up:**  
Collect spilled material mechanically.  
Place waste in an appropriate container for disposal.
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### \* Section 7: Handling and Storage

- **Precautions for Safe Handling:**  
Avoid dust formation.  
Any deposit of dust that cannot be avoided must be regularly removed.  
Use only in well ventilated areas.
  - **Protection Against Fires and Explosions:** Dust can combine with air to form an explosive mixture.
  - **Conditions for Safe Storage:**  
Store in closed, properly labeled containers.  
Protect containers from heat, physical damage, ignition sources and incompatible materials.  
Have emergency equipment for fires and spills readily available.
  - **Specific End Uses:** Resin, extrusion and compounding, plastic molding, molded articles, films and coatings.
  - **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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### \* Section 8: Exposure Controls/Personal Protection

- **Occupational Exposure Limits:**  
Use occupational exposure limits for dust when controlling exposure to this product.  
**9010-79-1 propylene-ethylene copolymer**  
PEL (USA) Eight-Hour Value: 15\*, 5\*\* mg/m<sup>3</sup>  
\*as total dust; \*\*as respirable dust  
TLV (USA) Eight-Hour Value: 10\*, 3\*\* mg/m<sup>3</sup>  
\*as inhalable dust; \*\*as respirable dust
- **Exposure Controls:** None required under normal conditions of use.
- **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.

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- **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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### \* Section 9: Physical/Chemical Properties

- **Form:** Pellets
  - **Color:** White
  - **Odor:** Odorless
  - **Odor Threshold:** Not applicable.
  - **pH Value:** Not determined.
  - **Melting Point:** 130 °C (266 °F)
  - **Boiling Point:** Not determined.
  - **Flash Point:** 422 °C (792 °F)
  - **Autoignition Temperature:** 425 °C (797 °F)
  - **Decomposition Temperature:** Not determined.
  - **Lower Explosive Limit (LEL):** Not determined.
  - **Upper Explosive Limit (UEL):** Not determined.
  - **Vapor Pressure:** Not determined.
  - **Density at 20 °C (68 °F):** 0.9 g/cm<sup>3</sup> (7.511 lbs/gal)
  - **Vapor Density:** Not applicable.
  - **Evaporation Rate:** Not applicable.
  - **Solubility in Water:** Insoluble.
  - **Partition Coefficient (n-octanol/water):** Not determined.
  - **Viscosity:** Not determined.
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### Section 10: Stability and Reactivity

- **Chemical Stability/Reactivity:** Stable under anticipated conditions of use.
  - **Conditions to Avoid:** 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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### \* Section 11: Toxicological Information

- **Acute Toxicity:** This product is not acutely toxic.

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- **Skin Irritation:** Not expected to cause skin irritation.
  - **Eye Irritation:** Mechanical eye irritation.
  - **Respiratory Irritation:** May cause respiratory irritation.
  - **Sensitization/Allergic Reaction:** No data available.
  - **Subchronic/Chronic Toxicity:** No data available.
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### Section 12: Ecological Information

- **Persistence and Degradability:** No data available.
  - **Bioaccumulative Potential:** No data available.
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### Section 13: Disposal Considerations

- **Disposal Instructions:**  
Dispose of waste in accordance with applicable laws and regulations.  
Maximize product recovery for reuse or recycling.
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### Section 14: Transport Information

- **UN Number:**
  - **DOT, ADR, IMDG, IATA** Not Applicable
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  - **UN Proper Shipping Name:**
  - **DOT, ADR, IMDG, IATA** Not Applicable
  - 
  - **Transport Hazard Class(es):**
  - **DOT, ADR, IMDG, IATA**
  - **Class:** Not Applicable
  - 
  - **Packing Group:**
  - **DOT, ADR, IMDG, IATA** Not Applicable
  - 
  - **Environmental Hazards:** Not applicable.
  - 
  - **Additional Information:**
  - **DOT:**
  - **Remarks:** This product is not regulated as a hazardous material/dangerous good for transportation.
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### \* Section 15: Regulatory Information

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

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**· U.S. Superfund Amendments & Reauthorization Act (SARA) 313 (Specific Toxic Chemical Listings):**


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Substance is not listed.

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


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Substance is listed.

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**· California Proposition 65 Carcinogens:**


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Substance is not listed.

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**· Canadian Domestic Substances List (DSL):**


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Substance is listed.

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**· Canadian Ingredient Disclosure List (limit 0.1%):**


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Substance is not listed.

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**· Canadian Ingredient Disclosure List (limit 1%):**


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Substance is not listed.

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**· Container Labeling According to Regulation (EC) No 1272/2008: Not Applicable**


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**· Hazard Pictograms:** Not Applicable

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**· Signal Word:** Not Applicable

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**· Hazard Statements:** Not Applicable

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**· Other Hazards:**

Molten material may cause thermal burns.

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**· Directive 2012/18/EU Major Accident Hazards Involving Dangerous Substances:**


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**· Annex 1 Named Dangerous Substances:** Substance is not listed.

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<b>* Section 16: Other Information</b>
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**· Department Issuing Safety Data Sheet:** Corporate Environment, Health & Safety

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**· Abbreviations & Acronyms:**

ADR: Accord européen sur le transport 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

GHS: Globally Harmonised System of Classification and Labeling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

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**· Sources & References:**

This Safety Data Sheet conforms to regulation 1907/2006/EC (REACH). This product has been classified in accordance with European CLP regulations (1272/2008/EC) and the U.S. Hazard Communication standard (29 CFR 1910.1200).

\* - Indicates that data has been updated from the previous version.

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