1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Polypropylene Copolymer

Synonyms: propene-ethene copolymer, PP-CP

Product Code: CoPP

CAS Number: 9010-79-1

Product Use: Resin, extrusion and compounding, plastic molding, molded articles, films and coatings.

COMPANY IDENTIFICATION

Global Plastics, LP
21 Downing Street Front 1 New York, NY 10014
(Domestic) 1-800 417-4605
(International) +1-646-790-7200
www.globalplastics.net

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):

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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances:
CAS No. Description
9010-79-1 propylene-ethylene 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. FIRE FIGHTING MEASURES

Suitable Extinguishing Agents:
CO2, 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.

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.
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.

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.

8. EXPOSURE CONTROLS AND 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/m³
   *as total dust; **as respirable dust
TLV (USA) Eight-Hour Value: 10*, 3** mg/m³
   *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.

**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.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Form</strong></td>
<td>Pellets</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>White</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Odorless</td>
</tr>
<tr>
<td><strong>Odor Threshold</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>pH Value</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Melting Point</strong></td>
<td>130 °C (266 °F)</td>
</tr>
<tr>
<td><strong>Boiling Point</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Flash Point</strong></td>
<td>422 °C (792 °F)</td>
</tr>
<tr>
<td><strong>Autoignition Temperature</strong></td>
<td>425 °C (797 °F)</td>
</tr>
<tr>
<td><strong>Decomposition Temperature</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Lower Explosive Limit (LEL)</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Upper Explosive Limit (UEL)</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Vapor Pressure</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Density at 20 °C (68 °F)</strong></td>
<td>0.9 g/cm³ (7.511 lbs/gal)</td>
</tr>
<tr>
<td><strong>Vapor Density</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Evaporation Rate</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Solubility in Water</strong></td>
<td>Insoluble</td>
</tr>
<tr>
<td><strong>Partition Coefficient</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>Not determined</td>
</tr>
</tbody>
</table>

### 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.
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.

Sensitization/Allergic Reaction: No data available.

Subchronic/Chronic Toxicity: No data available.

12. ECOLOGICAL INFORMATION

Persistence and Degradability: No data available.
Bioaccumulative Potential: No data available.

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, IMDG, IATA Not Applicable

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.

15. REGULATORY INFORMATION

· 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): Substance is listed.

· California Proposition 65 Carcinogens: Substance is not listed.

· Canadian Domestic Substances List (DSL): Substance is listed.

· Canadian Ingredient Disclosure List (limit 0.1%): Substance is not listed.

· Canadian Ingredient Disclosure List (limit 1%): Substance is not listed.

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

· Hazard Pictograms: Not Applicable

· Signal Word: Not Applicable

· Hazard Statements: Not Applicable

· 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.

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

· Annex 1 Named Dangerous Substances: Substance is not listed.
DISCLAIMER
Caution do not use Global Star Plastics materials in applications involving implantation within the body direct or indirect contact with the blood pathway, contact with bone tissue fluid, blood or prolonged contact with mucus membranes. Global Star Plastics. materials are not designed or manufactured for use in implantation in the human body or in contact with internal body fluids or tissues. Global Star Plastics will not provide to customers making devices for such applications any notice, certification or information necessary for such medical device use required by FDA regulation or any other statute. Global Star Plastics makes no representation, promise, express warranty or implied warranty concerning the suitability of these materials for use in implantation in the human body or in contact with internal body tissues or fluids.

The information on this MSDS was obtained from sources which we believe reliable. However, the information is provided without any warranty expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of the product. If the product is used as a component in another product, this MSDS information may not be applicable.