



# FORMOSA CHEMICALS & FIBRE CORPORATION

201, TUNG HWA N. ROAD, TAIPEI, TAIWAN R.O.C.

## SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name:</b> TAIRIPRO PP	<b>Synonyms:</b> PP Resin
<b>Product Use:</b> Resin, extrusion, compounding, molding, molded articles, films ...	
<b>Supplier:</b> FORMOSA CHEMICALS & FIBRE CORPORATION (PP Plant)	
<b>Address:</b> No. 23 FORMOSA INDUSTRIAL COMPLEX, MAILIAO, YUNLIN, TAIWAN	
<b>Telephone/Fax:</b> +886-5-6813312 / +886-5-6811030	

### 2. HAZARDS IDENTIFICATION

<b>GHS Classification:</b> The product is not classified according to the Globally Harmonized System (GHS) for classification and labeling of chemicals.
<b>Potential Health Effects:</b> <b>EYES:</b> Dust and process vapors may irritate eyes. <b>SKIN:</b> Exposure to Molten material may cause thermal burns. <b>INHALATION:</b> Dust and process vapors may cause respiratory tract irritation. <b>INGESTION:</b> Adverse health effects due to ingestion in small amounts are not anticipated. If symptoms develop, obtain medical.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

<b>Name:</b> Polypropylene
<b>Synonyms:</b> PP, Polypropylene (Homo polymer, Random/Impact copolymer)
<b>CAS No: (Polypropylene: ~100%)</b> Polypropylene: 9003-07-0, Random/Impact copolymer: 9010-79-1
<b>Existing Chemical Substances Registration Code:</b> Polypropylene: EPEP4A00384197, Random/Impact copolymer: EPEP4A00384208
<b>Hazard Ingredients:</b> None

### 4. Emergency & First Aid Measures

<b>Routes of Exposure:</b> <b>Inhalation:</b> Immediately take the person out into fresh air. If any irritation to the respiratory tract persists, seek medical care. <b>Skin Contact:</b> Immediately flush with large amounts of cold water to cool the affected skin and polymer. Obtain immediately emergency medical attention if burn is deep or extensive. <b>Eye Contact:</b> Rinse immediately with a plenty of water and under the eyelid for at least 15 minutes. <b>Ingestion:</b> Adverse health effects due to ingestion in small amounts are not anticipated. If symptoms develop, obtain medical.
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## 5. Fire Fighting Measures

<b>Extinguishment:</b> Foam, dry chemicals, water, CO <sub>2</sub> .
<b>Special Procedures:</b> None required. Use misted water.
<b>Special hazards:</b> Dense smoke and high temperature.
<b>Personal Fire-Fighting Equipment:</b> A self-contained breathing apparatus and suitable protective clothing.

## 6. SPILL OR LEAK CONTAINMENT MEASURES

<b>Personal precautions:</b> Pellets create serious slipping problem on hard surface.
<b>Precautions to avoid environmental damage:</b> Keep the material from entering a waterway or sewage main. It floats.
<b>Clean-up:</b> Sweep and recover the material for reuse or recycling.

## 7. Precautions for Safe Handling & Storage

<b>GENERAL PROCEDURES:</b> Keep away from heat, sparks and flame. Material may accumulate static charges during transfers, ground and bond containers when transferring materials.
<b>STORAGE TEMPERATURE:</b> Store in a cool place below 60°C (140°F). Keep away from heat and sunlight exposure.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

<b>ENGINEERING CONTROLS:</b> Provide adequate room ventilation at the extruder to minimize exposure to process vapors. Eliminate ignition sources during repair and maintenance operations.
<b>Breathing protection:</b> A dust mask for polypropylene in the form of dust.
<b>Hand protection:</b> Leather or cloth gloves.
<b>Eye protection:</b> Safety glasses with side shields.
<b>Skin protection:</b> Wear heat resistant protective glove, clothing and face shield if necessary.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b> Translucent to white solid pellets	<b>Octanol-Water Partition Coefficient:</b> Not applicable
<b>Odor detection threshold:</b> Not applicable	<b>Self-ignition temperature:</b> >400°C
<b>pH (value):</b> Not applicable	<b>Specific gravity (water = 1):</b> 0.85~0.95
<b>Vapor pressure:</b> Not applicable	<b>Solubility in water:</b> Insoluble
<b>Concentration:</b> 100%	<b>Volatile (% by volume):</b> Not applicable
<b>Melting Point:</b> 140~170°C	<b>Flash point:</b> Not applicable
<b>Decomposition temperature:</b> >300°C	<b>Odor:</b> light plastic odor
<b>Boiling temperature:</b> Not applicable	<b>Combustibility (solid, gas):</b> flammable
<b>Danger of explosion:</b> Not explosive	



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## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Chemical Incompatibility:** The product is eaten away by chlorine and strong oxidants.

**Conditions to avoid:** It is degraded by heat and sunlight unless protected by antioxidants.

**Hazardous Combustive Products:** carbon monoxide, carbon dioxide, and organic vapor.

**Hazardous condition:** Can decompose and burn at high temperature (>300 °C).

## 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity:** None suggested.

**Chronic or long-term toxicity:** Not available.

**Local Effects:** Local irritation by abrasion.

**Allergic reaction:** Not available.

## 12. ECOLOGICAL INFORMATION

**Instability:** Not applicable.

**Persistence/Degradability:** Like plastic in the long term.

**Bioaccumulation:** Not applicable.

**Mobility in soil:** Not applicable.

## 13. Disposal Considerations

**Elimination of the product in waste:** reuse, recycling, incineration or authorized dump.

**Elimination of containers/packing:** reuse, recycling, authorized dump.

## 14. Transport Information

### **SPECIAL SHIPPING NOTES:**

This product is not regulated by DOT, IMO, IATA, Canadian DG and associated regulations, ADR or RID.

## 15. Regulatory Information

This product must be carried according to environmental laws governing the transport of non-hazardous substances.

## 16. OTHER INFORMATION

The data contained in this informational sheet were obtained from reliable sources. The information furnished is the information currently available on the product. The use of this information is beyond the supplier's control. The user is responsible for determining the conditions for safe use of the product.

Created by FORMOSA CHEMICALS & FIBRE CORPORATION (Plastics Division)

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