



# 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> EYES: Dust and process vapors may irritate eyes. SKIN: Exposure to Molten material may cause thermal burns. INHALATION: Dust and process vapors may cause respiratory tract irritation. INGESTION: Not Applicable

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

<b>Name:</b> Polypropylene
<b>Synonyms:</b> PP, Polypropylene (Homo polymer, Random/Impact copolymer)
<b>CAS No:</b> (Polypropylene: ~100%) Polypropylene: 9003-07-0, Random/Impact copolymer: 9010-79-1
<b>Existing Chemical Substances Registration Code:</b> Polypropylene: EPEP4A00384197, Random/Imapct 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> Wash with soap and water. <b>Eye Contact:</b> Wash with water. <b>Ingestion:</b> Not applicable.
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### 5. Fire Fighting Measures

<b>Extinguishment:</b> Foam, dry chemicals, water, CO2.
<b>Special Procedures:</b> None required. Use misted water.
<b>Personal Fire-Fighting Equipment:</b> No special equipment is required.
<b>Unusual Hazards:</b> The product is combustible and dust may form an explosive mix.



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## 6. SPILL OR LEAK CONTAINMENT MEASURES

**Emergency personal protection equipment:** Dust mask.

**Precautions to avoid environmental damage:** Keep the material from entering a waterway or sewage main. It floats.

**Clean-up:** Sweep and recover the material for reuse or recycling.

**Waste disposal:** In an authorized household or industrial waste deposit.

## 7. Precautions for Safe Handling & Storage

**GENERAL PROCEDURES:** Keep away from heat, sparks and flame.

**HANDLING:** Ground and bond containers when transferring material.

**STORAGE:** This product may react with strong oxidizing agents and should not be stored near such materials. Store boxes and bags of material in areas protected with automatic sprinklers.

**STORAGE TEMPERATURE:** Store in a cool place below 60°C (140°F).

**ELECTROSTATIC ACCUMULATION HAZARD:**

Material may accumulate static charges during transfers, ground and bond containers when transferring material.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Provide adequate room ventilation at the extruder to minimize exposure to process vapors. Eliminate ignition sources during repair and maintenance operations.

**Breathing protection:** A dust mask for polypropylene in the form of dust.

**Hand protection:** Leather or cloth gloves.

**Eye protection:** Safety glasses with side shields.

**Ventilation:** Appropriate natural ventilation.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b> Solid (Pellets)	<b>Explosive properties:</b> Unknown
<b>Odor:</b> Odorless	<b>Self-ignition temperature:</b> 380-460°C
<b>Concentration:</b> 100%	<b>Specific gravity (water = 1):</b> 0.90
<b>Melting Point:</b> 140~170°C	<b>Solubility in water:</b> Insoluble
<b>Boiling Point:</b> It decomposes	<b>Volatile (% by volume):</b> Not applicable
<b>Decomposition temperature:</b> >400°C	<b>Flame propagation speed:</b> Unknown

## 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:** Not available.

**Hazardous Polymerization:** Impossible.



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## 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.

**Environmental Precautions:** It must be disposed of by incineration or in an authorized waste deposit.

## 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 and of the products 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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