



FORMOSA CHEMICALS & FIBRE CORPORATION

201, TUNG HWA N. ROAD, TAIPEI, TAIWAN .

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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

2. HAZARDS IDENTIFICATION

GHS Classification: The product is not classified according to the Globally Harmonized System (GHS) for classification and labeling of chemicals.
Potential Health Effects: 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: Adverse health effects due to ingestion in small amounts are not anticipated. If symptoms develop, obtain medical.

3. COMPOSITION / INFORMATION ON INGREDIENTS

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

4. EMERGENCY & FIRST AID MEASURES

Routes of Exposure: Inhalation: Immediately take the person out into fresh air. If any irritation to the respiratory tract persists, seek medical care. Eye Contact: Rinse immediately with a plenty of water and under the eyelid for at least 15 minutes. Get medical attention if irritation develops or persists. Skin Contact: 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. Ingestion: Adverse health effects due to ingestion in small amounts are not anticipated. If symptoms develop, obtain medical.
Primary Symptom: None
Protection for Emergency Responders: Provide adequate ventilation. Put on appropriate personal protective equipment if necessary.



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Medical Attention: PP pellets are without immediate danger to life. Melting PP can cause thermal burn.

5. FIRE FIGHTING MEASURES

Extinguishment: Foam, dry chemicals, water, CO₂.

Special Hazards: Dense smoke and high temperature.

Special Procedures: None required. Use misted water.

Personal Fire-Fighting Equipment: A self-contained breathing apparatus and suitable protective clothing.

6. SPILL OR LEAK CONTAINMENT MEASURES

Personal Precautions: Pellets may create serious slipping problem on hard surface.

Precautions to Avoid Environmental Damage: Non-hazardous material. Keep the material from entering a waterway or sewage main.

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

7. PRECAUTIONS FOR SAFE HANDLING & STORAGE

General Producer: Keep away from heat, sparks and flame. Material may accumulate static charges during transfers, ground and bond containers when transferring materials.

Storage Temperature: Store in a cool place. Keep away from heat and sunlight exposure.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering Controls: Provide adequate room ventilation at the extruder to minimize exposure to process vapors.

Occupational Exposure Limit:

PEL-TWA(8hr)/PEL-STEL/PEL-C: No Occupational Exposure limit assigned.

Health Factor: None

Personal Protective Equipment:

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

Hand Protection: Hot material-wearing heat resistant protective gloves ; Cold materials-use of work gloves is good.

Eye Protection: Safety glasses with side shields.

Skin Protection: Wear heat resistant protective glove, clothing and face shield if necessary.

Hygiene Measures: Wash hand and other exposed area with water.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Translucent to white solid pellets

Odor: light plastic odor

Odor Detection Threshold: Not determined

Melting Point: 140~170°C

pH (value): Not applicable

Boiling Temperature: Not applicable

Combustibility (solid, gas): flammable

Flash Point: Not applicable



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Decomposition Temperature: >300℃	Danger of Explosion: Not explosive
Self-ignition Temperature: >400℃	Vapor Density (air=1): Not applicable(solid)
Vapor Pressure: Not applicable	Solubility in Water: Insoluble
Specific Gravity (water = 1): 0.85~0.95	Volatile (% by volume): Not applicable
Octanol-Water Partition Coefficient(log K_{ow}): Not applicable	

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

Polypropylene is classified as number-5. Disposal must be done according to Waste Disposal Act and Resource Recycling Act.

14. TRANSPORT INFORMATION

SPECIAL SHIPPING NOTES:

Not classified as dangerous in the meaning of transport regulations. Follow the Traffic Regulation.

15. REGULATORY INFORMATION

This product must be carried according to Occupational Safety and Health Act 、Traffic Regulation 、Waste Disposal Act and Resource Recycling Act.

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



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conditions for safe use of the product.

Created by FORMOSA CHEMICALS & FIBRE CORPORATION (Plastics Division)
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