



TAI HU TECHNOLOGY CO., LTD.
No. 26, Ln. 186, Sec. 2, Huanhe Rd., Xihu Township, Changhua County 514006, Taiwan
TEL: 04-8824137 FAX: 04-8820620

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Name: PP Resin (Black, Grey, Red)

Recommended Use and Restrictions: Polymer processing or compounding applications

Company: TAI HU TECHNOLOGY CO., LTD.

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2. HAZARD IDENTIFICATION

GHS Classification: Not Classified as Hazardous

Hazard Statements: None

Other Hazards:

Eyes: Fine dust or fumes generated during thermal processing may cause eye irritation.

Skin: Contact with molten polymer will cause thermal burns.

Inhalation: Fine dust or fumes generated during processing may cause respiratory tract irritation.

Ingestion: Ingestion of small amounts is non-hazardous; for large quantities, seek medical attention for removal.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance / Mixture: Mixture

Chemical Name: Polypropylene Impact Copolymer

CAS No: 9003-07-0

Hazardous Ingredients: None

4. FIRST AID MEASURES

Inhalation: Move subject to fresh air if exposed to fumes during hot processing.

Eye Contact: Flush with plenty of water for at least 15 minutes. Seek medical if necessary.

Skin Contact: For contact with molten resin, cool rapidly with cold water and seek medical attention.

Ingestion: Rinse mouth with water. Seek medical advice if large quantities are swallowed.

Most Important Symptoms and Effects: None



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Protection of First-Aiders: Ensure adequate ventilation in the first-aid area; avoid personal burns when handling molten polymer.

Notes to Physician: Polypropylene pellets present no biological hazard. Treat molten polymer contact as conventional thermal burns.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Water spray, Foam, Dry Chemical, Carbon Dioxide (CO₂).

Specific Hazards: Dense black smoke and carbon monoxide may be evolved in a fire.

Special Fire-Fighting Procedures: None; treat as Class A general fire.

Protective Equipment: Wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Pellets spilled on the floor may create a slipping hazard.

Environmental Precautions: Prevent spillage from entering drains or watercourses.

Clean-up Methods: Sweep or vacuum spilled pellets into clean containers for recovery or disposal.

7. HANDLING AND STORAGE

Handling: Prevent from fire around handling area. Maintain good housekeeping to avoid dust accumulation. Ground equipment to prevent static discharge.

Storage: Store in a cool, dry place away from direct sunlight, heat, and ignition sources.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Ensure adequate local exhaust ventilation at processing machines.

Control Parameters: Not established

Personal Protective Equipment (PPE):

Respiratory Protection: Dust mask when handling fine particles; organic vapor respirator for hot processing fumes.

Hand Protection: Wear heat-resistant gloves when handling molten polymer.

Eye Protection: Safety glasses with side shields.

Skin & Body Protection: Protective clothing during high-temperature processing to prevent thermal splatter burns.

Hygiene Measures: Wash thoroughly after handling if residual dust remains on the skin.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solid Pellets	Odor: Slight plastic odor
Odor Threshold: Not determined	Melting Point: 150°C - 230°C
pH Value: Not applicable	Boiling Point / Range: Not applicable
Flammability: Combustible	Flash Point: Not applicable
Decomposition Temperature: > 300°C	Vapor Pressure: Not applicable
Auto-ignition Temperature: > 400°C	Explosion Limits: Not applicable
Vapor Density (Air=1): Not applicable (Solid)	Specific Gravity (Water=1): 0.90 - 0.98
Evaporation Rate: Non-volatile	Solubility in Water: Insoluble

10. STABILITY AND REACTIVITY

Stability: Stable under normal handling and storage conditions.
Possibility of Hazardous Reactions: Gradually decomposes and emits smoke under high temperatures (>300°C); flammable if exposed to open flame.
Conditions to Avoid: High temperatures and open flames.
Incompatibility: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon Monoxide (CO), Carbon Dioxide (CO ₂), carbon black particulates.

11. TOXICOLOGICAL INFORMATION

Routes of Exposure: Non-toxic
Symptoms: None
Acute Toxicity: Non-toxic
Chronic / Long-Term Toxicity: Non-toxic

12. ECOLOGICAL INFORMATION

Ecotoxicity: Non-toxic to aquatic environment.
Persistence / Degradability: Non-biodegradable; degrades over prolonged exposure to light.
Bioaccumulative Potential: No bioaccumulation.
Mobility in Soil: Non-mobile

13. DISPOSAL CONSIDERATIONS

Waste Treatment: Non-hazardous waste (Category 5 Plastic). Recycle or incinerate/landfill in accordance with local, state, and national regulations.



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14. TRANSPORT INFORMATION

Transport Regulations: Non-dangerous goods; safe for general transport. Complies with standard road cargo rules.

UN Number / Class: Not classified as dangerous goods. Safe for general transport.
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15. REGULATORY INFORMATION

Applicable Regulations: Complies with general industrial safety standards (Occupational Safety & Health).
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16. OTHER INFORMATION

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