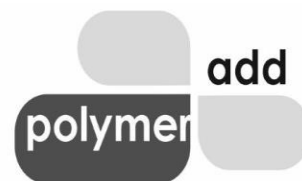


Polymer Add (Thailand) Co.,Ltd.

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Factory - 188/3, Moo 8, Tambon Bangpu Mai, Amphoe Muang Samut Prakan, Samutprakan, Thailand 10280

Mobile - Thai : 0804531391, English: 0839415475, E-mail – contact@polymeradd.co.th



SAFETY DATA SHEET (SDS)

MICRONISED POLYPROPYLENE (PP) – FILTER AID GRADE

Grade Code MPP-FA-25
Revision 1.0
Date January 2026

1. IDENTIFICATION

Product Name	Micronised Polypropylene (PP) – Filter Aid Grade
Chemical Name	Polypropylene resin
Synonyms	Micronised PP; Polypropylene Powder; PP Filter Aid
CAS Number	9003-07-0
Chemical Formula	(C ₃ H ₆) _n

Recommended Use	Polymeric filter aid for pressure filtration of non-aqueous liquids (industrial use)
Manufacturer	Polymer Add (Thailand) Co., Ltd. Bangkok / Samut Prakan, Thailand
Emergency Contact	Available upon request

2. HAZARD IDENTIFICATION

GHS Classification	Not classified as hazardous according to GHS, EU CLP (EC 1272/2008)
Label Elements	Not required

Hazards Not Otherwise Classified:

- Fine polymer dust may cause **mechanical irritation** to eyes or respiratory tract
- Molten material may cause **thermal burns**

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Concentration
Polypropylene (homopolymer)	9003-07-0	≥ 99 %

4. FIRST-AID MEASURES

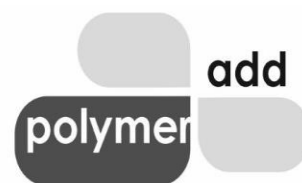
Skin Contact	Solid material: Wash with soap and water. Molten material: Cool with running water. Do not attempt removal. Seek medical attention.
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Eye Contact	Flush immediately with water for at least 15 minutes. Seek medical attention if irritation persists.
Inhalation	Move to fresh air. If symptoms persist, seek medical attention.
Ingestion	Not a likely route of exposure. Rinse mouth. Do not induce vomiting unless directed by medical personnel.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Water fog, foam, dry chemical, carbon dioxide
Specific Hazards	Combustion may generate carbon monoxide, carbon dioxide, and low-molecular-weight hydrocarbons.
Protective Equipment	Self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid dust inhalation. Use appropriate PPE.
Environmental Precautions	Prevent release to environment.
Cleanup Methods	Sweep or vacuum using dust-controlled methods. Avoid generating airborne dust.

7. HANDLING AND STORAGE

Handling:

- Avoid excessive dust generation
- Use local exhaust ventilation if needed
- Avoid contact with eyes

Storage:

- Store in a cool, dry, well-ventilated area
- Keep away from heat, flame, and sparks
- Keep containers tightly closed

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits (guideline):

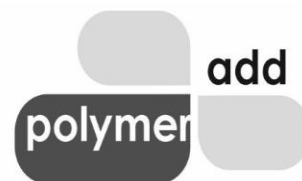
Substance	Reference	Limit
Polypropylene dust	Typical OEL	10 mg/m ³ (total dust)

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Personal Protective Equipment:

- Eye protection: Safety glasses
- Respiratory protection: Not normally required; use dust mask if dust is generated
- Protective clothing: Standard industrial workwear

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	White to off-white powder
Odor	Odorless
Physical State	Solid
Melting Point	190 – 240 °C
Flash Point	~348 °C
Auto-ignition Temperature	~380 °C
Solubility in Water	Insoluble
Density	~0.90 g/cm ³
Bulk Density (powder)	~400 kg/m ³

10. STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal conditions.

Conditions to Avoid:

Excessive heat, open flame, uncontrolled dust dispersion.

Incompatible Materials:

Strong oxidizing agents.

Hazardous Decomposition Products:

Carbon oxides, hydrocarbons (under thermal decomposition).

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

- Oral LD₅₀ (rat): > 8,000 mg/kg

Irritation:

- Eyes: Mechanical irritation possible
- Skin: Not irritating (solid); molten material causes thermal burns
- Inhalation: Dust may cause temporary irritation

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Carcinogenicity:

Not classifiable (IARC Group 3 – polymer inert)

12. ECOLOGICAL INFORMATION

Ecotoxicity:

No known adverse effects.

Persistence / Degradability:

Not readily biodegradable.

Bioaccumulation:

Not expected to bioaccumulate.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

Material may be recycled if uncontaminated.

Incineration or licensed landfill disposal is acceptable.

14. TRANSPORT INFORMATION

UN Number: Not regulated

ADR / RID: Not regulated

IMDG: Not regulated

IATA: Not regulated

15. REGULATORY INFORMATION

- REACH: Polymer – exempt from registration
- TSCA: Listed
- RoHS / WEEE: Compliant
- WHMIS: Not classified
- EU CLP: Not hazardous

16. OTHER INFORMATION

This SDS is based on current knowledge of polypropylene homopolymer materials and their micronised physical form. Information is provided in good faith and is not a guarantee of product performance.