

Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalarempriakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250

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)

Product Name: PVC MICROBLEND P75

Micronized Additive Blend for Rigid & Flexible PVC Compounds.

1. Identification of the Substance/Mixture and of the Company/Undertaking

Field	Information
Product Name	PVC MICROBLEND P75
Synonyms	Micronized Additive Blend for Rigid & Flexible PVC Compounds.
Recommended Uses	Additive blend for PVC pipes, profiles, cables, sheets, and films
Uses advised against	Non-polymer applications, consumer use as raw powder.
Manufacturer	Polymer Add (Thailand) Co., Ltd
Office Address	106, Chalarempriakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250
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2. Hazards Identification

Field	Description
Classification(GHS)	Not classified as hazardous.
Main hazards	Dust may cause eye, skin, or respiratory irritation.
Label elements	No pictogram or signal word required.
Other Hazards	Fine dust may form combustible clouds in confined spaces.

3. Composition/Information on Ingredients

Component	CAS No.	Function	Typical % (w/w)
Micronized Talc	14807-96-6	Reinforcement, heat resistance	40.0%
Micronized Mica	12001-26-2	Barrier, dimensional stability	25.0%
Calcium Carbonate (micronized)	471-34-1	Stiffness, cost reduction	20.0%
Micronized Stearic Acid	57-11-4	Lubricant, fusion aid	3.0%
Titanium Dioxide (rutile)	13463-67-7	Opacity, brightness	5.0%
Zinc Stearate (micronized)	557-05-1	Lubricant, heat stabilizer	2.0%

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4. First Aid Measures

- **Inhalation:** Remove to fresh air; seek medical advice if irritation persists.
- **Skin contact:** Wash with soap and water.
- **Eye contact:** Rinse cautiously with water for several minutes; remove contact lenses if present.
- **Ingestion:** Rinse mouth; drink water; seek medical advice if unwell.

5. Firefighting Measures

- **Suitable extinguishing media:** Water spray, foam, CO₂, dry powder.
- **Hazards in fire:** Combustion may release CO, CO₂, and metal oxides.
- **Protective equipment:** Self-contained breathing apparatus in case of fire.

6. Accidental Release Measures

- **Personal precautions:** Avoid dust inhalation; wear PPE. Ensure ventilation.
- **Environmental precautions:** Prevent large releases to drains/soil.
- **Cleanup methods:** Vacuum with HEPA or damp sweep. Avoid dry sweeping.

7. Handling and Storage

- **Handling:** Minimize dust; use LEV. Avoid eating/drinking in handling areas.
- **Storage:** ≤30 °C, RH <60%, in sealed packaging; store in dry, ventilated place.
- **Shelf life:** 24 months

8. Exposure Controls / Personal Protection

Field	Information
Exposure Limits (guidance)	<ul style="list-style-type: none">• Nuisance dust: 10 mg/m³ (inhalable), 3 mg/m³ (respirable).• Titanium dioxide: follow local OELs.
Engineering Controls	Local exhaust ventilation.
PPE	<ul style="list-style-type: none">• Respiratory: P2/P95 mask if dust is present.• Eyes: Safety glasses/goggles.• Skin: Gloves and protective clothing.

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9. Physical and Chemical Properties

Property	Value
Appearance	White to off-white micronized powder
Odour	Mild fatty/waxy (stearates).
Particle Size (D50)	<10 µm
Moisture Content	< 0.5%
Bulk Density	0.45–0.60 g/cm ³
Compatibility	PVC (rigid, flexible), CPVC, UPVC

10. Stability and Reactivity

- **Stability:** Stable under recommended storage conditions.
- **Conditions to avoid:** Excessive heat, sparks, open flames, humidity.
- **Incompatible materials:** Strong oxidizers, strong acids.
- **Decomposition products:** CO, CO₂, CaO, ZnO, TiO₂ dust under fire.

11. Toxicological Information

Test	Result
Acute Toxicity	Low; not expected at mixture levels.
Irritation	Dust may cause mechanical irritation to eyes/respiratory tract.
Sensitization	Not expected
Chronic Effects	Long-term inhalation of respirable dust may affect lungs.

12. Ecological Information

- **Ecotoxicity:** Not hazardous in normal use.
- **Persistence:** Mineral fillers are persistent; stearates are biodegradable.
- **Bioaccumulation:** Low.
- **Mobility:** Low; insoluble powder.

13. Disposal Considerations

- **Product/packaging:** Dispose as non-hazardous industrial waste in accordance with local regulations. Packaging recyclable where facilities exist.

14. Transport Information

Mode	Remarks
UN Classification	Not classified as dangerous goods under ADR/IMDG/IATA.
Special precautions	Protect packaging from damage, moisture.

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15. Regulatory Information

- **GHS/CLP:** Not classified as hazardous.
- **Inventories:** Ingredients listed on major international chemical inventories.
- **Application note:** Industrial additive; user must confirm compliance for food-contact or other restricted uses.

16. Other Information

Document Ref: PVC MICROBLEND P75

Issue Date: July 2025

Prepared by: Polymer Add Thailand

References: Technical Data Sheet BLACKMB MICROBLEND B45, supplier raw material SDS.

Recommended dosage: 1.0–5.0 wt% in PVC formulations.

Packaging: 10 kg PE-lined kraft bags, optional 5 kg HDPE; 500 kg/pallet.

Disclaimer: Based on current knowledge. Information is provided for safe handling; no guarantee of product performance.

This SDS is provided for industrial handling and transportation purposes only. It does not serve as a product specification or guarantee. Polymer Add (Thailand) Co., Ltd shall not be held liable for misuse or mishandling. Final responsibility lies with the user.