

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-PROBLEND WP 1040
Micronized Additive Blend for PVC Window Profiles.

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

Field	Information
Product Name	PVC-PROBLEND WP 1040
Synonyms	Micronized Additive Blend for PVC Window Profiles.
Recommended Uses	Additive blend for rigid PVC window and door profiles; improves gloss, fusion, and melt behavior.
Uses advised against	Non-polymer applications or direct consumer use.
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 mechanical irritation to eyes and respiratory tract.
Label elements	No pictogram or signal word required
Other Hazards	Fine powder can form airborne dust; risk of explosion in confined spaces.

3. Composition/Information on Ingredients

Component	CAS No.	Function	Typical % (w/w)
Micronized PE Wax	9002-88-4	External lubricant, gloss enhancer	40%
Calcium Stearate	1592-23-0	Internal lubricant, flow/thermal stability	20%
Zinc Stearate	557-05-1	Thermal co-stabilizer, fusion promoter	10%
Acrylic Processing Aid	9011-87-4	Melt strength, surface finish	20%
Fumed Silica (R972 type)	112945-52-5	Flow aid, anti-caking	2%

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Moisture Buffer (optional)	471-34-1 / 112926-00-8	Humidity control, shelf stability	8%
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4. First Aid Measures

- **Inhalation:** Move to fresh air; seek medical attention 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 large quantities ingested.

5. Firefighting Measures

- **Suitable extinguishing media:** Water spray, dry chemical, foam, CO₂.
- **Specific hazards:** Combustion of organic components may release CO, CO₂, hydrocarbons, zinc oxides.
- **Protective equipment:** Self-contained breathing apparatus recommended in major fires.

6. Accidental Release Measures

- **Personal precautions:** Avoid creating dust; use PPE; ventilate area.
- **Environmental precautions:** Prevent uncontrolled release to drains or soil.
- **Cleanup methods:** Vacuum with HEPA or damp sweep. Avoid dry sweeping.

7. Handling and Storage

- **Handling:** Minimize dust; use local exhaust ventilation. Ground equipment during handling.
- **Storage:** Cool, dry area; avoid direct sunlight and moisture.
- **Shelf life:** 12 months in sealed packaging

8. Exposure Controls / Personal Protection

Field	Information
Occupational exposure limits (dust)	10 mg/m ³ (inhalable), 3 mg/m ³ (respirable).
Engineering Controls	LEV and dust collection at mixing/extrusion.
PPE	<ul style="list-style-type: none">• Respiratory: Dust mask (P2/P95).• Eyes: Safety glasses/goggles.• Hands: Protective gloves.• Clothing: Work overalls.

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9. Physical and Chemical Properties

Property	Value
Appearance	White to off-white free-flowing powder
Odour	Odorless or faint waxy
Melting Range	100–120 °C (majority component basis)
Particle Size (D100)	<20 µm
Particle Size (D50)	5–8 µm
Moisture Content	< 0.5%
Bulk Density	0.25–0.35 g/cm ³

10. Stability and Reactivity

- **Stability:** Stable under recommended conditions.
- **Conditions to avoid:** Excessive heat, sparks, open flames, moisture.
- **Incompatible materials:** Strong oxidizers, strong acids.
- **Decomposition products:** CO, CO₂, hydrocarbons, zinc oxide fumes.

11. Toxicological Information

Test	Result
Acute Toxicity	Low
Irritation	Dust may cause eye/respiratory irritation.
Sensitization	Not expected
Chronic Effects	Long-term inhalation of respirable dust may affect lungs.

12. Ecological Information

- **Ecotoxicity:** Not expected to be hazardous.
- **Persistence/degradability:** Stearates partially biodegradable; PE wax and acrylic resin persistent; silica inert.
- **Bioaccumulation:** Low potential.
- **Mobility:** Low – insoluble particulate.

13. Disposal Considerations

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

14. Transport Information

Mode	Remarks
UN Classification	Not regulated (ADR/IMDG/IATA).
Special precautions	Avoid dust release; keep packaging intact.

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15. Regulatory Information

- **Classification:** Not hazardous under GHS.
- **Inventories:** Ingredients listed on major chemical inventories.
- **Regulatory note:** Industrial additive only; not certified for food or pharma use.

16. Other Information

Document Ref: PVC-PROBLEND WP 1040

Issue Date: July 2025

Prepared by: Polymer Add Thailand

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

Recommended dosage: 0.5–1.5 phr in rigid PVC formulations.

Packaging: 20 kg paper bag with PE liner or HDPE drum.

Disclaimer: Information is based on current knowledge. Provided for safe handling; performance suitability must be verified by user.

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.