

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-SHEETBLEND RS 5080
Micronized Additive Blend for Rigid PVC Sheet Extrusion.

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

Field	Information
Product Name	PVC-SHEETBLEND RS 5080
Synonyms	Micronized Additive Blend for Rigid PVC Sheet Extrusion.
Recommended Uses	Multifunctional additive blend for rigid PVC sheet extrusion/calendering – gloss, fusion, stability.
Uses advised against	Non-polymer 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 irritate eyes, skin, and respiratory tract.
Label elements	No pictogram or signal word required.
Other Hazards	Fine dust may accumulate; avoid creating airborne dust clouds.

3. Composition/Information on Ingredients

Component	CAS No.	Function	Typical % (w/w)
Micronized PE Wax	9002-88-4	External lubricant, gloss enhancer	35%
Calcium Stearate	1592-23-0	Internal lubricant	20%
Zinc Stearate	557-05-1	Thermal stabilizer, fusion promoter	10%
Acrylic Processing Aid	9011-87-4	Fusion enhancer, surface quality	20%
Antioxidant 1010	6683-19-8	Primary antioxidant, prevents degradation	5%
Fumed Silica (R972 type)	112945-52-5	Flow aid, anti-caking	2%
Moisture Buffer (optional)	471-34-1 / 112926-00-8	Prevents moisture pickup	8%

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4. First Aid Measures

- **Inhalation:** Move to fresh air; seek medical advice if irritation persists.
- **Skin contact:** Wash thoroughly with soap and water.
- **Eye contact:** Rinse with water for several minutes; remove contact lenses if present.
- **Ingestion:** Rinse mouth; drink water; no acute toxicity expected, seek advice if unwell.

5. Firefighting Measures

- **Suitable extinguishing media:** Water spray, dry powder, CO₂, foam.
- **Hazards in fire:** Combustion of organic components may produce CO, CO₂, hydrocarbons, zinc oxide fumes.
- **Protective equipment:** Self-contained breathing apparatus recommended.

6. Accidental Release Measures

- **Personal precautions:** Avoid creating dust; wear PPE. Ensure ventilation.
- **Environmental precautions:** Prevent uncontrolled discharge to drains.
- **Cleanup methods:** Vacuum (HEPA filter) or damp sweep; avoid dry sweeping.

7. Handling and Storage

- **Handling:** Minimize dust generation; use LEV. Handle with protective equipment.
- **Storage:** Store in dry, shaded warehouse at <35 °C; avoid high humidity and heat.
- **Shelf life:** 12 months from date of manufacture.

8. Exposure Controls / Personal Protection

Field	Information
OEL (dust)	10 mg/m ³ (inhalable), 3 mg/m ³ (respirable).
Engineering Controls	Local exhaust ventilation at handling points.
PPE	<ul style="list-style-type: none">• Respiratory: P2/P95 mask during dusty operations.• Eyes: Safety glasses/goggles.• Hands: Gloves.• Clothing: Protective workwear.

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9. Physical and Chemical Properties

Property	Value
Appearance	White to off-white free-flowing powder
Odour	Neutral to faint waxy
Particle Size	D100 <20 µm; D50 6–9 µm
Moisture Content	< 0.3%
Bulk Density	0.25–0.35 g/cm ³
Melting range	100–120 °C (major component basis)

10. Stability and Reactivity

- **Stability:** Stable under recommended handling/storage.
- **Conditions to avoid:** Excessive heat, open flames, static discharge, humidity.
- **Incompatible materials:** Strong oxidizers, strong acids.
- **Decomposition products:** CO, CO₂, hydrocarbons, zinc oxide fumes.

11. Toxicological Information

Test	Result
Acute Toxicity	Low – not expected at mixture levels.
Irritation	Dust may cause eye/airway irritation.
Sensitization	Not expected
Chronic Effects	Long-term inhalation of respirable dust may affect lungs.

12. Ecological Information

- **Ecotoxicity:** Not classified as hazardous.
- **Persistence/degradability:** Stearates and sucrose benzoate partially biodegradable; PE wax and acrylic resin persistent; silica inert.
- **Bioaccumulation:** Low potential.
- **Mobility:** Low – insoluble powders.

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 as dangerous goods (ADR/IMDG/IATA).
Special precautions	Keep packaging intact; avoid dust release

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15. Regulatory Information

- **Classification:** Not hazardous under GHS.
- **Inventories:** All major components are listed on international chemical inventories.
- **Application note:** For industrial use in PVC sheet processing; not certified for food/pharma use.

16. Other Information

Document Ref: PVC-SHEETBLEND RS 5080

Issue Date: July 2025

Prepared by: Polymer Add Thailand

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

Recommended dosage: 0.8–1.5 phr in PVC resin.

Packaging: 20 kg multilayer paper bag with inner PE liner.

Disclaimer: Information is provided for safe handling; no guarantee of end-use 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.