

# 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:** PACKINK MICROBLEND P60

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

Field	Information
Product Name	PACKINK MICROBLEND P60
Relevant Identified Uses	Micronized additive for packaging inks used in flexographic, gravure, and offset printing
Supplier	Polymer Add (Thailand) Co., Ltd
Office Address	106, Chalarempriakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250
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Mobile (Thai)	0804531391
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Email	contact@polymeradd.co.th

### 2. Hazards Identification

Field	Description
Classification (GHS)	Not classified as hazardous GHS
Label Elements	No hazard pictograms or signal words required
Other Hazards	Fine particles may cause mechanical irritation Combustible dust potential in confined spaces

### 3. Composition/Information on Ingredients

Substance	CAS Number	Function	% w/w
Micronized PE Wax	9002-88-4	Rub resistance, slip, anti-blocking	45%
Synthetic Amide Wax	68953-58-2	Scratch resistance, water repellency	20%
Micronized PTFE	9002-84-0	Abrasion resistance	10%
Dispersible Fumed Silica	112945-52-5	Rheology control, anti-settling	5%
Modified Polysiloxane Wax	Proprietary Blend	Slip and anti-blocking for films	5%
Acrylic Flow Modifier	9011-87-4	Leveling and pigment orientation	5%
Moisture Buffer (Calcium-Based)	471-34-1 / 112926-00-8	Storage stability	10%

### 4. First Aid Measures

- **Inhalation:** Remove to fresh air. Get medical attention if symptoms persist.
- **Skin Contact:** Wash thoroughly with soap and water.
- **Eye Contact:** Flush with plenty of water for at least 15 minutes. Seek medical advice if irritation persists.

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- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical help if needed

## 5. Firefighting Measures

- **Suitable Extinguishing Media:** Dry chemical, foam, CO<sub>2</sub>, water mist
- **Hazards:** Fine dust may ignite under specific conditions
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and protective gear

## 6. Accidental Release Measures

- **Personal Precautions:** Avoid dust formation. Use PPE (mask, goggles, gloves)
- **Environmental Precautions:** Avoid discharge into drains or water bodies
- **Clean-up Methods:** Vacuum using HEPA filter or wet method. Avoid dry sweeping

## 7. Handling and Storage

- **Handling:** Avoid generating airborne dust. Use local exhaust ventilation.
- **Storage:** Store below 35 °C in a dry, sealed container. Reseal packaging after use.
- **Shelf Life:** 24 months from manufacturing date

## 8. Exposure Controls / Personal Protection

Field	Information
Exposure Limits	<ul style="list-style-type: none"><li>• PTFE and wax components: No established occupational exposure limits</li><li>• General dust: ACGIH TLV = 10 mg/m<sup>3</sup> (inhalable)</li></ul>
Engineering Controls	Local exhaust ventilation required in dusty areas
Personal Protection	<ul style="list-style-type: none"><li>• Respiratory: P2 or N95 dust mask</li><li>• Eyes: Safety goggles</li><li>• Skin: Protective gloves and clothing</li></ul>

## 9. Physical and Chemical Properties

Property	Value
Appearance	White to off-white fine powder
Odour	Neutral
Melting Point	~95 – 140 °C
Bulk Density	0.30 – 0.40 g/cm <sup>3</sup>
Solubility in Water	Insoluble
Surface Nature	Hydrophobic

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Particle Size	D100 < 18 µm; D50 = < 9 µm
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## 10. Stability and Reactivity

- **Stability:** Stable under recommended handling and storage
- **Conditions to Avoid:** Excess heat, sparks, static discharge
- **Incompatible Materials:** Strong oxidizers
- **Decomposition Products:** CO, CO<sub>2</sub>, hydrocarbons, fluorinated compounds

## 11. Toxicological Information

Test	Result
Acute Toxicity	Not expected to be harmful under normal conditions
Skin/ Eye Contact	Dust may cause eye or respiratory tract irritation
Sensitization	Not known to be a sensitizer
Chronic Effects	No known chronic toxicity under normal use

## 12. Ecological Information

- **Eco toxicity:** No known environmental hazards
- **Persistence and Degradability:** Inert and not readily biodegradable
- **Bioaccumulation Potential:** Low
- **Mobility in Soil:** Low due to hydrophobicity and insolubility

## 13. Disposal Considerations

- **Waste Disposal:** Dispose in accordance with local/national regulations
- **Packaging:** Recycle or dispose of in accordance with local waste laws

## 14. Transport Information

Mode	Classification
UN Number	Not regulated
Transport Hazard Class	Not applicable
Packing Group	Not applicable
Marine Pollutant	No
Special Precautions	Prevent package damage and avoid dust release during transport

## 15. Regulatory Information

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- **Inventory Status:** All components listed or exempt under major chemical inventories (TSCA, REACH, etc.)
- **Regulatory Compliance:** Meets general packaging ink additive regulations
- **Restrictions:** Not approved for direct food contact or pharmaceutical use

## 16. Other Information – PACKINK MICROBLEND P60

- **SDS Version:** 1.0 / 2025
- **Date of Preparation:** July 2025
- **Reason for Issue:** First SDS issued for micronized technical grade
- **Intended Use:** Industrial ink systems for corrugated and flexible packaging
- **Training Advice:** Ensure workers are trained in safe handling of powder additives.

### Disclaimer:

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.