

# 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:** ADDITIVEMATCH MICROBLEND A80

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

Field	Information
Product Name	ADDITIVEMATCH MICROBLEND A80
Recommended Uses	Micronized additive blend for polyethylene (PE) and polypropylene (PP) masterbatches (film, injection, extrusion).
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 under normal handling.
Physical Hazards	Fine powder – risk of dust inhalation and dust explosion under extreme conditions.
Health Hazards	May cause mild irritation to eyes, skin, or respiratory tract with prolonged exposure.
Environmental Hazards	No significant environmental hazards expected at recommended usage levels.

### 3. Composition/Information on Ingredients

Component	CAS No.	% w/w	Function
Micronized Polyethylene Wax	9002-88-4	35.0	Slip agent, surface modifier
Micronized Glycerol Monostearate (GMS 90%)	31566-31-1	20.0	Internal lubricant, process aid
Zinc Stearate (Micronized)	557-05-1	15.0	Mold release, dispersion aid
Silicone-Treated Fumed Silica	67762-90-7	10.0	Anti-blocking, surface finish
Synthetic Amorphous Silica	112926-00-8	10.0	Flow aid, anti-caking
Polyether-Modified PDMS	27306-78-1	10.0	Surface slip, anti-stick

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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. Remove contaminated clothing.
- **Eye Contact:** Rinse immediately with plenty of water for at least 15 minutes.
- **Ingestion:** Rinse mouth, drink water. No acute toxicity expected; seek medical advice if large amounts ingested.

## 5. Firefighting Measures

- **Suitable Extinguishing Media:** Dry chemical, CO<sub>2</sub>, foam, water spray.
- **Unsuitable Media:** Direct water jet (may spread dust).
- **Specific Hazards:** Dust clouds may form explosive mixtures with air. Combustion may produce CO, CO<sub>2</sub>, and organic fumes.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and protective clothing.

## 6. Accidental Release Measures

- **Personal Precautions:** Avoid dust formation, use PPE (mask, goggles, gloves).
- **Environmental Precautions:** Prevent release into drains.
- **Spill Response:** Sweep or vacuum (with HEPA filter), place in suitable container for reuse or disposal. Avoid dry brushing.

## 7. Handling and Storage

- **Handling:** Use with adequate ventilation. Minimize dust generation. Ground equipment to avoid static charge.
- **Storage:** Store in a cool, dry, covered place away from sunlight. Keep containers sealed.
- **Shelf Life:** 24 months in sealed bags/drums.

## 8. Exposure Controls / Personal Protection

Field	Information
Exposure Limits	Not established for mixture. Observe local limits for silica and nuisance dust.
Engineering Controls	Local exhaust ventilation recommended.
Personal Protection	<ul style="list-style-type: none"><li>• Respiratory: Dust mask/respirator (P2/P3).</li><li>• Eye: Safety goggles.</li><li>• Skin: Protective gloves, coveralls.</li></ul>

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## 9. Physical and Chemical Properties

Property	Value
Appearance	Fine off-white powder
Odour	Neutral to mild waxy
Melting Range	85–130 °C
Particle Size (D100)	< 20 µm
Moisture Content	< 0.5%
Bulk Density	0.42–0.50 g/cm <sup>3</sup>
Solubility	Insoluble in water

## 10. Stability and Reactivity

- **Stability:** Stable under recommended conditions.
- **Conditions to Avoid:** Excessive heat, ignition sources, dust accumulation.
- **Incompatible Materials:** Strong oxidizers.
- **Hazardous Decomposition Products:** CO, CO<sub>2</sub>, and hydrocarbon vapors upon combustion.

## 11. Toxicological Information

Test	Result
Acute Toxicity	Low acute toxicity.
Skin/ Eye Irritation	May cause mild mechanical irritation
Respiratory Sensitization	Dust may irritate respiratory tract.
Carcinogenicity/Mutagenicity	None of the components are classified as carcinogenic
Other Effects	Zinc stearate and silica may cause lung irritation on chronic overexposure.

## 12. Ecological Information

- **Ecotoxicity:** Not expected to be harmful in normal use.
- **Persistence/Degradability:** Wax and silica are persistent but inert.
- **Bioaccumulation:** Negligible.
- **Mobility in Soil:** Low, due to insolubility.

## 13. Disposal Considerations

- **Waste Treatment:** Dispose of in accordance with local regulations.
- **Recommended Method:** Controlled landfill or incineration in approved facilities.
- **Avoid:** Release to drains or environment.

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## 14. Transport Information

Mode	Remarks
UN Classification	Not regulated as dangerous goods.
ADR/RID/IMDG/IATA	Not regulated.
Transport Precautions	Keep bags sealed, protect from moisture.

## 15. Regulatory Information

- **Classification:** Non-hazardous mixture (per GHS).
- **REACH Status:** Components are either exempt or registered.
- **Other Regulations:** Complies with general chemical safety regulations for industrial use.

## 16. Other Information

**Document Ref:** ADDITIVEMATCH MICROBLEND A80

**Issue Date:** July 2025

**Prepared by:** Polymer Add Thailand

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

**Abbreviations:** GHS = Globally Harmonized System.

**Disclaimer:** Information is based on current knowledge and intended for safe handling. User must confirm suitability for specific application.

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.