

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: COLOUR-MB MICROBLEND P20

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

Field	Information
Product Name	COLOUR-MB MICROBLEND P20
Recommended Uses	Micronized additive blend for colour masterbatch applications.
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 can form dust-air explosive mixtures.
Health Hazards	May cause mild eye, skin, or respiratory irritation.
Environmental Hazards	No significant hazards expected at recommended use levels.

3. Composition/Information on Ingredients

Component	Function	% w/w	CAS No.
Micronized Polyethylene Wax	Pigment dispersant, melt flow enhancer	38	9002-88-4
Synthetic Amorphous Silica	Anti-caking, powder flow control	12	112926-00-8
Zinc Stearate (Micronized)	Lubricant, pigment wetting	18	557-05-1
Glycerol Monostearate (GMS 90%)	Internal lubricant, anti-static	10	31566-31-1
Dispersible Fumed Silica	Rheology control, anti-settling	7	112945-52-5
Polyethylene Oxide (High MW)	Melt control modifier	5	25322-68-3
Silicone-Treated Silica	Anti-blocking, surface slip	5	Proprietary
AO-1010 (Micronized)	Processing stabilizer	5	6683-19-8

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4. First Aid Measures

- **Inhalation:** Remove to fresh air. If symptoms persist, seek medical advice.
- **Skin Contact:** Wash with soap and water. Remove contaminated clothing.
- **Eye Contact:** Rinse with plenty of water for at least 15 minutes.
- **Ingestion:** Rinse mouth, drink water. Seek medical attention if large amounts swallowed.

5. Firefighting Measures

- **Extinguishing Media:** CO₂, dry chemical, foam, water spray.
- **Hazards:** Dust may form explosive mixtures with air. Combustion releases CO, CO₂, and organic vapors.
- **Protective Equipment:** Firefighters should use self-contained breathing apparatus.

6. Accidental Release Measures

- **Personal Precautions:** Avoid dust formation. Wear dust mask, goggles, gloves.
- **Environmental Precautions:** Prevent release into drains.
- **Clean-up:** Sweep or vacuum (HEPA filter) into suitable container. Avoid dry brushing.

7. Handling and Storage

- **Handling:** Ensure good ventilation. Avoid dust accumulation. Ground equipment against static.
- **Storage:** Store in a cool, dry, ventilated place away from sunlight and moisture.
- **Shelf Life:** 12 months in sealed packaging.

8. Exposure Controls / Personal Protection

Field	Information
Exposure Limits	Observe local limits for nuisance dust and silica.
Engineering Controls	Provide local exhaust ventilation.
Personal Protection	<ul style="list-style-type: none">• Respiratory: Dust mask/respirator (P2/P3).• Eye: Safety goggles.• Skin: Protective gloves, coveralls.

9. Physical and Chemical Properties

Property	Value
Appearance	White to off-white micronized powder
Odour	Neutral to mild waxy
Melting Range	95–135 °C

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Particle Size (D100)	< 20 μm
Particle Size (D50)	5–9 μm
Moisture Content	< 0.5%
Bulk Density	0.30–0.40 g/cm ³
Dispersibility	Excellent in PE/PP/PS/EVA resins

10. Stability and Reactivity

- **Stability:** Stable under normal use.
- **Conditions to Avoid:** Heat, open flames, dust accumulation.
- **Incompatible Materials:** Strong oxidizing agents.
- **Decomposition Products:** CO, CO₂, and hydrocarbon vapors on combustion.

11. Toxicological Information

Test	Result
Acute Toxicity	Low acute toxicity.
Irritation	Dust may cause mild irritation to skin, eyes, respiratory tract.
Sensitization	Not expected.
Carcinogenicity/Mutagenicity	None of the listed ingredients are classified as carcinogenic.
Other Effects	Chronic inhalation of silica dust may cause lung irritation.

12. Ecological Information

- **Ecotoxicity:** No significant effects expected.
- **Persistence/Degradability:** Components are stable; waxes and silica are non-biodegradable.
- **Bioaccumulation:** Negligible.
- **Mobility:** Low in soil and water.

13. Disposal Considerations

- **Waste Disposal:** Dispose in accordance with local regulations.
- **Methods:** Controlled landfill or incineration in licensed facilities.
- **Packaging:** Reuse/recycle if possible; otherwise dispose as industrial waste.

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14. Transport Information

Mode	Remarks
UN Classification	Not regulated as dangerous goods.
ADR/RID/IMDG/IATA	Not regulated.
Transport Precautions	Protect from moisture and physical damage during transport.

15. Regulatory Information

- **Regulatory Status:** Industrial use only.
- **REACH:** Components registered or exempt.
- **Other Regulations:** Non-food contact grade unless otherwise specified.

16. Other Information

Document Ref: COLOUR-MB MICROBLEND P20

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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.