

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: MBTECH MICROBLEND M62

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

Field	Information
Product Name	MBTECH MICROBLEND M62
Recommended Uses	Micronized additive blend for white, filler, and functional masterbatch applications.
Manufacturer	Polymer Add (Thailand) Co., Ltd
Office Address	106, Chalarempriakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250
Factory Address	188/3, Moo 8, Bangpu Mai, Muang Samut Prakan, Samutprakan, Thailand 10280
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2. Hazards Identification

Field	Description
Classification(GHS)	Not classified as hazardous under normal handling.
Physical Hazards	Dust may form explosive mixtures with air.
Health Hazards	Dust may cause mild mechanical irritation to eyes, skin, and respiratory tract.
Environmental Hazards	Not expected to be environmentally hazardous under recommended use.

3. Composition/Information on Ingredients

Component	CAS No.	% w/w	Function
Micronized Talc	14807-96-6	40.0	Nucleation, stiffness, dispersion
Micronized Mica	12001-26-2	25.0	Barrier effect, dimensional stability
Titanium Dioxide (Rutile)	13463-67-7	15.0	Opacity, whiteness
Micronized Calcium Carbonate	471-34-1	15.0	Bulk density, cost reduction
Dispersible Fumed Silica	112945-52-5	0.5	Flow aid, anti-agglomeration
Micronized Polyethylene Wax	9002-88-4	4.5	Anti-blocking, dispersion aid

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4. First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical advice if irritation persists.
- **Skin Contact:** Wash with soap and water. Remove contaminated clothing.
- **Eye Contact:** Flush with plenty of water for at least 15 minutes. Seek medical attention if irritation continues.
- **Ingestion:** Rinse mouth. No significant toxicity expected; seek medical help if large amounts ingested.

5. Firefighting Measures

- **Suitable Extinguishing Media:** CO₂, dry chemical, foam, water spray.
- **Specific Hazards:** Dust clouds may ignite/explode. Combustion may release CO, CO₂, hydrocarbons, and metal oxides.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and protective clothing.

6. Accidental Release Measures

- **Personal Precautions:** Avoid dust formation. Use PPE (mask, gloves, goggles).
- **Environmental Precautions:** Prevent material entering drains or waterways.
- **Clean-up:** Vacuum (HEPA filter) or sweep carefully into sealed containers. Avoid dry brushing.

7. Handling and Storage

- **Handling:** Use with adequate ventilation. Minimize dust generation. Ground equipment to avoid static buildup.
- **Storage:** Store in cool, dry, covered conditions, ≤30 °C, RH < 60%, away from direct sunlight.
- **Shelf Life:** 24 months if stored properly.
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8. Exposure Controls / Personal Protection

Field	Information
Exposure Limits	Follow local occupational exposure standards for talc, titanium dioxide, and nuisance dust.
Engineering Controls	Local exhaust ventilation recommended.
Personal Protection	<ul style="list-style-type: none">• Respiratory: Dust mask/respirator (P2/P3).• Eye: Safety goggles.• Skin: Protective gloves, coveralls.

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9. Physical and Chemical Properties

Property	Value
Appearance	Fine white to off-white micronized powder
Odour	Neutral
Particle Size (D50)	< 8 μm
Moisture Content	< 0.3 %
Bulk Density	0.50–0.65 g/cm ³
Compatibility	LDPE, LLDPE, HDPE, PP, EVA, TPO

10. Stability and Reactivity

- **Stability:** Stable under normal storage and handling.
- **Conditions to Avoid:** Excessive heat, moisture, ignition sources.
- **Incompatible Materials:** Strong oxidizing agents.
- **Decomposition Products:** CO, CO₂, and metal oxides during combustion.

11. Toxicological Information

Test	Result
Acute Toxicity	Low acute toxicity.
Irritation	Dust may irritate eyes, skin, respiratory tract.
Chronic Exposure	Long-term inhalation of talc or TiO ₂ dust may affect lung function.
Carcinogenicity	Titanium dioxide is classified by IARC as Group 2B (possible carcinogen via inhalation of respirable dust).

12. Ecological Information

- **Ecotoxicity:** Not expected to cause significant environmental impact.
- **Persistence/Degradability:** Mineral fillers are stable and persistent.
- **Mobility:** Insoluble, low mobility in soil and water.
- **Bioaccumulation:** Not expected.

13. Disposal Considerations

- **Product Disposal:** Dispose of in compliance with local regulations.
- **Method:** Landfill or incineration in approved facilities.
- **Packaging:** Reuse or recycle if possible; otherwise dispose as industrial waste

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14. Transport Information

Mode	Remarks
UN Classification	Not classified as dangerous goods.
ADR/RID/IMDG/IATA	Non-hazardous for transport.
Transport Precautions	Protect packaging from moisture and mechanical damage.

15. Regulatory Information

- **Classification:** Non-hazardous under GHS for mixture.
- **Regulatory Status:** All ingredients listed with CAS numbers; REACH registered or exempt.
- **Use Restrictions:** For industrial use only.

16. Other Information

Document Ref: MBTECH MICROBLEND M62

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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.