

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: BLACKMB MICROBLEND B45

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

Field	Information
Product Name	BLACKMB MICROBLEND B45
Recommended Uses	Micronized additive blend for carbon black 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 formation can create combustible dust-air mixtures.
Health Hazards	May cause mild eye, skin, or respiratory irritation from dust exposure.
Environmental Hazards	No major hazards expected; components are stable and inert.

3. Composition/Information on Ingredients

Component	Function	% w/w	CAS No.
Micronized Polyethylene Wax	Dispersant, melt flow enhancer	42	9002-88-4
Zinc Stearate (Micronized)	Pigment wetting agent, lubricant	18	557-05-1
Fumed Silica (Hydrophobic, R972-type)	Flow control, anti-agglomeration	10	112945-52-5
Glycerol Monostearate (GMS 90%)	Internal slip, flow enhancer	10	31566-31-1
Synthetic Amorphous Silica (Precipitated)	Anti-caking, stabilizer	8	112926-00-8
Polyethylene Oxide (High MW)	Melt viscosity modifier	4	25322-68-3
AO-1010	Processing stabilizer	5	6683-19-8
AO-168	Secondary antioxidant	3	31570-04-4

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4. First Aid Measures

- **Inhalation:** Remove 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

- **Extinguishing Media:** CO₂, dry chemical, foam, water spray.
- **Hazards:** Dust clouds may form explosive mixtures with air. Combustion may release CO, CO₂, hydrocarbons.
- **Protective Equipment:** Self-contained breathing apparatus and protective clothing recommended.

6. Accidental Release Measures

- **Personal Precautions:** Avoid dust generation; wear mask, goggles, gloves.
- **Environmental Precautions:** Prevent entry into drains.
- **Spill Clean-up:** Vacuum (HEPA filter) or sweep carefully; place into closed containers for reuse/disposal.

7. Handling and Storage

- **Handling:** Ensure good ventilation, avoid dust build-up, ground equipment to prevent static.
- **Storage:** Store in dry, cool, well-ventilated place. Keep packaging sealed.
- **Shelf Life:** 12 months in sealed condition.

8. Exposure Controls / Personal Protection

Field	Information
Exposure Limits	Follow local dust exposure limits.
Engineering Controls	Use local exhaust ventilation.
Personal Protection	<ul style="list-style-type: none">• Respiratory: Dust mask or respirator (P2/P3).• Eye: Safety goggles.• Skin: Gloves and protective clothing.

9. Physical and Chemical Properties

Property	Value
Appearance	Off-white to light grey micronized powder
Odour	Neutral to faint waxy
Melting Range	100–135 °C

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Particle Size (D100)	< 20 μm
Particle Size (D50)	5–8 μm
Bulk Density	0.32–0.44 g/cm ³
Dispersibility	Excellent in PE/PP/EVA/PS

10. Stability and Reactivity

- **Stability:** Stable under recommended conditions.
- **Conditions to Avoid:** High heat, open flames, dust accumulation.
- **Incompatible Materials:** Strong oxidizing agents.
- **Decomposition Products:** CO, CO₂, and organic vapors when burned.

11. Toxicological Information

Test	Result
Toxicity	Low acute toxicity.
Irritation	Dust may cause mild eye, skin, or respiratory irritation.
Chronic Exposure	Overexposure to zinc stearate or silica dust may affect lungs.
Carcinogenicity	None of the listed ingredients are classified as carcinogenic by IARC/OSHA/EU

12. Ecological Information

- **Ecotoxicity:** Not expected to be harmful to aquatic or terrestrial organisms.
- **Persistence/Degradability:** Components are stable; polyethylene wax and silica are non-biodegradable.
- **Mobility:** Low solubility in water, low mobility in soil.

13. Disposal Considerations

- **Product:** Dispose according to local/national regulations.
- **Method:** Controlled landfill or incineration in approved facility.
- **Packaging:** Empty containers should be recycled or disposed safely.

14. Transport Information

Mode	Remarks
UN Classification	Not regulated as dangerous goods.
ADR/RID/IMDG/IATA	Non-hazardous.
Transport Precautions	Keep bags sealed, dry, and protected from mechanical damage.

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15. Regulatory Information

- **Regulatory Status:** Components registered under REACH or exempt.
- **Classification:** Non-hazardous mixture.
- **Restrictions:** Industrial use only, not for food-contact unless specified.

16. Other Information

Document Ref: BLACKMB MICROBLEND B45

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Prepared by: Polymer Add Thailand

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

Abbreviations: PPE = Personal Protective Equipment; 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.