

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: FOAMMATCH MICROBLEND F85

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

Field	Information
Product Name	FOAMMATCH MICROBLEND F85
Recommended Uses	Micronized additive blend for foam masterbatches in PE/PP systems.
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	Combustible dust may form explosive mixtures with air.
Health Hazards	Dust may cause mild irritation to eyes, skin, or respiratory tract.
Environmental Hazards	No major hazards expected at recommended usage.

3. Composition/Information on Ingredients

Component	Function	% w/w	CAS No.
Micronized Polyethylene Wax	Dispersion aid, melt strength	35.0	9002-88-4
Zinc Stearate (Micronized)	Blowing agent activator, lubricant	20.0	557-05-1
Micronized Talc	Nucleating agent	15.0	14807-96-6
Glycerol Monostearate (Micronized, 90%)	Cell wall stabilizer	10.0	31566-31-1
Hydrophobic Fumed Silica (R972 eq.)	Anti-caking, flow aid	5.0	68909-20-6
Synthetic Amorphous Silica	Flow modifier, anti-agglomeration	10.0	112926-00-8
Sodium Bicarbonate (optional F85-E version)	Endothermic blowing agent	10–25	144-55-8

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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:** Ensure adequate ventilation. Avoid dust buildup. Ground handling equipment to prevent static.
- **Storage:** Store in cool, dry place, away from moisture and direct sunlight. Keep packaging sealed.
- **Shelf Life:** 24 months in original sealed packaging.

8. Exposure Controls / Personal Protection

Field	Information
Exposure Limits	Observe local dust exposure regulations (inert/nuisance dust).
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.

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9. Physical and Chemical Properties

Property	Value
Appearance	Fine white to off-white micronized powder
Odour	Neutral
Melting Range	80–140 °C
Particle Size (D100)	< 20 µm
Moisture Content	< 0.5%
Bulk Density	0.36–0.44 g/cm ³
Solubility	Insoluble in water

10. Stability and Reactivity

- **Stability:** Stable under recommended conditions.
- **Conditions to Avoid:** Excessive heat, open flames, dust accumulation.
- **Incompatible Materials:** Strong oxidizing agents.
- **Decomposition Products:** CO, CO₂, hydrocarbons, and metal oxides during combustion.

11. Toxicological Information

Test	Result
Acute Toxicity	Low acute toxicity.
Irritation	Dust may cause mild mechanical irritation to eyes, skin, or respiratory tract.
Chronic Exposure	Prolonged inhalation of talc or silica dust may cause lung irritation.
Carcinogenicity	None of the listed components classified as carcinogenic under IARC/OSHA/EU.

12. Ecological Information

- **Ecotoxicity:** Not expected to cause environmental harm at recommended usage.
- **Persistence/Degradability:** Components are stable and inert.
- **Mobility:** Low due to insolubility in water.
- **Bioaccumulation:** Negligible.

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13. Disposal Considerations

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

14. Transport Information

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

15. Regulatory Information

- **Classification:** Non-hazardous mixture under GHS.
- **Regulatory Status:** All ingredients listed with CAS numbers; compliant with industrial polymer additive standards.
- **Use Restrictions:** Industrial use only; not for food-contact unless specified.

16. Other Information

Document Ref: FOAMMATCH MICROBLEND F85

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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.