

# 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](mailto:contact@polymeradd.co.th)



## SAFETY DATA SHEET (SDS)

Product Name: SB-PP01

Micronized Nucleating & Lubricant Blend for Polypropylene

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

Field	Information
Product Name	SB-PP01
Synonyms	Micronized nucleating & lubricant pre-blend
Recommended Uses	Additive for polypropylene (PP) compounding (nucleation, crystallization, mold release, processing aid).
Uses advised against	Any non-polymer/consumer 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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Mobile (Thai)	0804531391
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### 2. Hazards Identification

Field	Description
Classification(GHS)	Not classified as hazardous.
Main hazards	Dust may cause mechanical eye/respiratory irritation.
Label elements	No pictogram or signal word required.
Other Hazards	Fine powder – risk of dust explosion in extreme airborne concentrations.

### 3. Composition/Information on Ingredients

Component	CAS No.	Function	Typical % (w/w)
Sodium Benzoate	532-32-1	Nucleating agent	~66.7%
Glycerol Monostearate (GMS 90%)	31566-31-1	Lubricant (internal/external)	~33.0%
Fumed Silica (Aerosil R972, optional)	63231-67-4	Anti-caking flow aid	~0.3%

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## 4. First Aid Measures

- **Inhalation:** Move to fresh air, blow nose gently, seek medical attention if irritation persists.
- **Skin contact:** Wash with soap and water. Remove contaminated clothing.
- **Eye contact:** Rinse cautiously with water for several minutes. Get medical advice if irritation continues.
- **Ingestion:** Rinse mouth, give water to drink. No acute toxicity expected.

## 5. Firefighting Measures

- **Suitable extinguishing media:** Water spray, dry chemical, CO<sub>2</sub>, foam.
- **Specific hazards:** Organic fraction can burn, releasing smoke, CO/CO<sub>2</sub>.
- **Protective equipment:** Self-contained breathing apparatus recommended in major fires.

## 6. Accidental Release Measures

- **Personal precautions:** Avoid dust inhalation; use PPE.
- **Environmental precautions:** Prevent uncontrolled release to drains.
- **Methods for cleaning up:** Vacuum with HEPA or sweep gently. Avoid dry sweeping.

## 7. Handling and Storage

- **Handling:** Minimize dust; use local exhaust ventilation. Avoid static build-up.
- **Storage:** Store in tightly closed packaging in a dry, cool place <30 °C; avoid moisture and sunlight.
- **Shelf life:** 12 months under recommended conditions

## 8. Exposure Controls / Personal Protection

Field	Information
Occupational exposure limits (guidance)	Nuisance dust: 10 mg/m <sup>3</sup> (inhalable), 3 mg/m <sup>3</sup> (respirable).
Engineering Controls	Dust extraction/LEV in blending/feeding areas.
PPE	<ul style="list-style-type: none"><li>• Respiratory: Disposable P2/P95 mask where dust is present.</li><li>• Eyes: Safety glasses/goggles.</li><li>• Skin: Gloves and coveralls</li></ul>

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## 9. Physical and Chemical Properties

Property	Value
Appearance	Fine white to off-white powder
Odour	Mild (waxy/fatty)
Melting Range	GMS 90% ~65–75 °C; Sodium benzoate ~410 °C; silica >250 °C
Particle Size (D100)	<20 µm
Moisture Content	< 0.5%
Bulk Density	~0.40–0.55 g/cm <sup>3</sup>
Solubility	Sodium benzoate soluble in water; GMS sparingly soluble; silica insoluble.

## 10. Stability and Reactivity

- **Stability:** Stable under normal storage and processing conditions.
- **Conditions to avoid:** Excessive humidity, temperatures >200 °C for extended periods.
- **Incompatible materials:** Strong oxidizers.
- **Decomposition products:** CO, CO<sub>2</sub>, hydrocarbons when burned.

## 11. Toxicological Information

Test	Result
Acute Toxicity	Low; no components acutely toxic at mixture levels.
Irritation	Dust may cause eye/airway irritation.
Sensitization	No known sensitizing effects.
Carcinogenicity	Sodium benzoate and GMS not classified. Fumed silica not classified.
Chronic Effects	Long-term inhalation of respirable dust may affect lungs; follow OELs.

## 12. Ecological Information

- **Ecotoxicity:** Not expected to be hazardous.
- **Persistence/degradability:** Organic fraction biodegradable; mineral fraction persistent.
- **Bioaccumulation:** Low.
- **Mobility in soil:** Limited (insoluble powders).

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## 13. Disposal Considerations

- **Waste treatment methods:** Dispose of in accordance with local/regional regulations as non-hazardous industrial waste. Packaging recyclable.

## 14. Transport Information

Mode	Remarks
UN Classification	Not regulated.
ADR/IMDG/IATA	Not classified as dangerous goods

## 15. Regulatory Information

- **GHS/CLP:** Mixture not classified as hazardous.
- **Inventories:** Ingredients are listed on major chemical inventories (REACH, TSCA, etc.).
- **Intended use:** Industrial polymer additive; user responsible for verifying food-contact or other regulatory approvals

## 16. Other Information

**Document Ref:** SB-PP01

**Issue Date:** July 2025

**Prepared by:** Polymer Add Thailand

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

**Intended dosage:** 0.3–0.8 wt% in PP compounding for optimal nucleation and lubrication.

**Packaging:** 10–15 kg multi-layer PE bags, 25 kg HDPE drums, other sizes on request.

**Disclaimer:** Information is based on current knowledge and provided for safe handling; no guarantee of product performance in specific end-use applications.

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.