

# 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-PP02

Micronized Additive Blend for Polypropylene

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

Field	Information
Product Name	SB-PP02
Synonyms	Micronized Additive Blend for Polypropylene
Recommended Uses	Micronized additive blend for PP compounding – nucleation + antioxidant stabilization.
Uses advised against	Non-polymer applications or direct consumer use.
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
Mobile (Thai)	0804531391
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Email	<a href="mailto:contact@polymeradd.co.th">contact@polymeradd.co.th</a>

### 2. Hazards Identification

Field	Description
Classification(GHS)	Not classified as hazardous.
Main hazards	Dust may irritate eyes, skin, and respiratory tract.
Label elements	No pictogram or signal word required.
Other Hazards	Fine powder can form dust clouds; risk of dust explosion in confined conditions.

### 3. Composition/Information on Ingredients

Component	CAS No.	Function	Typical % (w/w)
Sodium Benzoate	532-32-1	Nucleating agent	66.0%
AO-1010 (phenolic antioxidant)	6683-19-8	Long-term stabilizer	20.0%
AO-168 (phosphite antioxidant)	31570-04-4	Processing stabilizer	13.7%
Fumed Silica (Aerosil R972, optional)	63231-67-4	Anti-caking flow aid	0.3%

### 4. First Aid Measures

- **Inhalation:** Move to fresh air; seek medical advice if symptoms persist.
- **Skin contact:** Wash with soap and water.

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- **Eye contact:** Rinse with water for several minutes. Remove contact lenses.
- **Ingestion:** Rinse mouth; give water to drink. Medical advice if large quantities ingested.
- **Symptoms:** Dust irritation, cough, mild eye redness.

## 5. Firefighting Measures

- **Suitable extinguishing media:** Water spray, dry powder, CO<sub>2</sub>, foam.
- **Hazards in fire:** Combustion may produce CO, CO<sub>2</sub>, phenolic vapors, phosphorus oxides.
- **Protective equipment:** Self-contained breathing apparatus recommended.

## 6. Accidental Release Measures

- **Personal precautions:** Avoid breathing dust; ensure ventilation; wear PPE.
- **Environmental precautions:** Prevent uncontrolled release to drains.
- **Cleanup methods:** Vacuum with HEPA or sweep carefully. Avoid dry sweeping.

## 7. Handling and Storage

- **Handling:** Minimize dust generation; ground equipment; use LEV.
- **Storage:** Store sealed in cool, dry area (<30 °C) away from 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	Local exhaust ventilation during powder handling.
PPE	<ul style="list-style-type: none"><li>• Respiratory: P2/P95 mask where dust is present.</li><li>• Eyes: Safety glasses/goggles.</li><li>• Hands: Protective gloves.</li><li>• Clothing: Coveralls.</li></ul>

## 9. Physical and Chemical Properties

Property	Value
Appearance	Fine white to off-white powder
Odour	Odorless to faint phenolic odor
Melting Range	Sodium benzoate ~410 °C; AO-1010 230–240 °C; AO-168 183–185 °C; silica >250 °C
Particle Size (D100)	<20 µm
Moisture Content	< 0.3%
Bulk Density	~0.40–0.55 g/cm <sup>3</sup>

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## 10. Stability and Reactivity

- **Stability:** Stable under normal storage.
- **Conditions to avoid:** Excessive heat, sparks, open flames, humidity.
- **Incompatible materials:** Strong oxidizers, strong acids/bases.
- **Decomposition products:** CO, CO<sub>2</sub>, phenolic and phosphorus compounds.

## 11. Toxicological Information

Test	Result
Acute Toxicity	Low
Irritation	Dust may cause transient irritation to eyes/airways.
Sensitization	Not expected
Chronic Effects	Long-term inhalation of fine dust may affect lungs; antioxidants not classified as carcinogenic.

## 12. Ecological Information

- **Ecotoxicity:** Not expected to be hazardous at mixture levels.
- **Persistence/degradability:** Organic antioxidants degrade slowly; sodium benzoate biodegradable; silica persistent.
- **Bioaccumulation:** Low potential.
- **Mobility:** Insoluble powder; limited mobility in soil.

## 13. Disposal Considerations

- **Product/packaging disposal:** Treat as non-hazardous industrial waste; recycle packaging where possible. Dispose in accordance with local regulations.

## 14. Transport Information

Mode	Remarks
UN Classification	Not classified as dangerous goods (ADR/IMDG/IATA).
Environmental hazards	None.
Special precautions	Avoid damage to packaging, prevent dust release.

## 15. Regulatory Information

- **Classification:** Not hazardous under GHS.
- **Inventories:** Ingredients are listed on major international chemical inventories.
- **Application note:** Industrial additive only; compliance with food-contact regulations must be verified by end user.

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## 16. Other Information

**Document Ref:** SB-PP02

**Issue Date:** July 2025

**Prepared by:** Polymer Add Thailand

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

**Recommended dosage:** 0.2–0.5 wt% in PP compounding for nucleation + antioxidant protection.

**Packaging:** 10–15 kg PE bags with liner; 25 kg HDPE drums; custom packs on request.

**Disclaimer:** Based on current knowledge. Information is provided for safe handling; performance must be verified by the user for specific end-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.