

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: SB-COAT01

Micronized Additive Blend for Coatings & Paints – Anti-Corrosive and Flow-Control Modifier

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

Field	Information
Product Name	SB-COAT01
Relevant Identified Uses	Micronized additive blend for corrosion inhibition and film property enhancement in coatings and paints
Supplier	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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Email	contact@polymeradd.co.th

2. Hazards Identification

Field	Description
Classification (GHS)	Not classified as hazardous
Label Elements	No hazard pictograms or signal words required
Other Hazards	Inhalation of fine dust may cause mechanical irritation Risk of dust accumulation in processing areas

3. Composition/Information on Ingredients

Substance	CAS Number	Function	% w/w
Sodium Benzoate (SB)	532-32-1	Anti-corrosive agent	40.0%
Barium Sulphate (BaSO ₄)	7727-43-7	Pigment extender, gloss strength enhancer	50.0%
Micronized Polyethylene Wax	9002-88-4	Surface modifier (slip, abrasion resistance)	10.0%

4. First Aid Measures

- **Inhalation:** Move to fresh air. Get medical attention if symptoms occur.
- **Skin Contact:** Wash with soap and water. Seek medical help if irritation develops.
- **Eye Contact:** Rinse immediately with plenty of water. Consult physician if irritation persists.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical advice.

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5. Firefighting Measures

- **Extinguishing Media:** Water mist, dry chemical, foam, CO₂
- **Hazards:** Product is not flammable but may burn in fire
- **Protective Equipment:** Wear self-contained breathing apparatus and protective gear

6. Accidental Release Measures

- **Personal Precautions:** Avoid inhalation and contact with eyes/skin. Use PPE.
- **Environmental Precautions:** Prevent spillage from entering drains or surface water
- **Clean-up Methods:** Collect by dry sweeping or vacuum. Avoid generating dust.

7. Handling and Storage

- **Handling:** Use with adequate ventilation. Avoid dust formation. Mix thoroughly before use.
- **Storage:** Store in sealed containers in a cool, dry place (<30°C). Protect from moisture.

8. Exposure Controls / Personal Protection

Field	Information
Exposure Limits	Barium Sulphate (inhalable): ACGIH TLV = 10 mg/m ³ (total dust) Sodium Benzoate and PE Wax: No specific limits
Engineering Controls	Use local exhaust ventilation
Personal Protection	<ul style="list-style-type: none">• Respiratory: Dust mask (P2/N95)• Eye Protection: Safety glasses• Skin Protection: Gloves, protective clothing

9. Physical and Chemical Properties

Property	Value
Appearance	Fine white powder
Odour	Odourless
Melting Point	<ul style="list-style-type: none">• PE Wax: ~105–120 °C• Sodium Benzoate: ~410 °C• BaSO₄: >1580 °C
Flammability	Dust may be combustible in air
Bulk Density	~0.60 – 0.80 g/cm ³
Solubility in Water	<ul style="list-style-type: none">• Sodium Benzoate: Slightly soluble in water• Barium Sulfate & PE Wax: Insoluble

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Moisture Content	<0.5%
Particle Size	D100 < 20 µm

10. Stability and Reactivity

- **Stability:** Stable under recommended conditions
- **Conditions to Avoid:** Excessive heat, moisture, strong oxidizers
- **Hazardous Reactions:** None known
- **Decomposition Products:** CO, CO₂, hydrocarbons on burning

11. Toxicological Information

Test	Result
Acute Toxicity	<ul style="list-style-type: none">• Sodium Benzoate: LD50 oral (rat) ~2100 mg/kg• Barium Sulphate: Low toxicity due to insolubility
Irritation	Dust may cause eye and respiratory irritation
Sensitization	Not expected
Chronic Effects	No known long-term effects under normal use

12. Ecological Information

- **Ecotoxicity:**
 - Sodium Benzoate: Low aquatic toxicity
 - Barium Sulfate: Environmentally stable, non-toxic
- **Persistence and Degradability:**
 - Inorganic and non-biodegradable
- **Bioaccumulation:** Not expected
- **Mobility in Soil:** Low

13. Disposal Considerations

- **Waste Disposal:** Dispose in accordance with local regulations as non-hazardous waste
- **Contaminated Packaging:** Reuse or dispose as solid waste if uncontaminated

14. Transport Information

Mode	Classification
UN Number	Not regulated
Transport Hazard Class	Not applicable
Packing Group	Not applicable

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Marine Pollutant	No
Special Precautions	Avoid packaging damage and dust release during transport

15. Regulatory Information

- **Chemical Inventory:** All components are listed or exempted in TSCA, REACH, DSL, etc.
- **Use Restriction:** Not for direct food contact or pharmaceutical use
- **Other Regulations:** Complies with general chemical safety requirements for coatings

16. Other Information – SB-COAT01

- **SDS Version:** 1.0 / 2025
- **Date of Preparation:** July 2025
- **Reason for Issue:** First SDS issued for micronized technical grade
- **Recommended Use:** For industrial coatings and paint systems on metal
- **Training Advice:** Ensure workers are trained in handling powders and avoiding dust hazards

Disclaimer:

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.