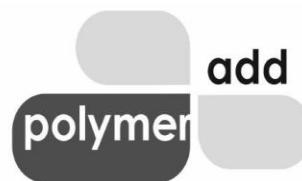


# Polymer Add (Thailand) Co.,Ltd.

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: BARIUM SULFATE (SYNTHETIC / BLANC FIXE)**

**CAS Number: 7727-43-7**

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

Field	Information
Product Name	BARIUM SULFATE (SYNTHETIC / BLANC FIXE)
CAS Number	7727-43-7
Relevant Identified Uses	Functional filler, extender pigment, density modifier, and reinforcing agent in plastics, coatings, rubber, and industrial formulations
Uses Advised Against	Not intended for food or pharmaceutical use unless specifically tested and certified
Supplier	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
Mobile (English)	0839415475
Email	contact@polymeradd.co.th

### 2. Hazards Identification

Field	Description
Classification (CLP)	Not classified under Regulation (EC) No. 1272/2008
Classification (67/548/EEC)	Not classified
Label Elements	No pictograms or signal words required
Supplemental	EUH210: Safety data sheet available on request

### 3. Composition / Information on Ingredients

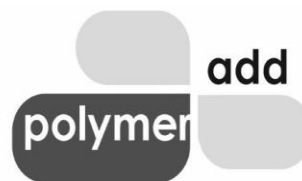
Substance	CAS No	EC No	Purity
Barium Sulfate (synthetic)	7727-43-7	231-784-4	≥ 98%

### 4. First Aid Measures

- **General Advice:** No significant hazards under normal industrial handling conditions
- **Inhalation:** Move to fresh air. Seek medical attention if irritation persists
- **Skin Contact:** Wash with soap and water
- **Eye Contact:** Rinse cautiously with water for several minutes. Seek medical attention if irritation continues
- **Ingestion:** Rinse mouth. Seek medical advice if large quantities are ingested

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## 5. Firefighting Measures

- **Extinguishing Media:** Use extinguishing media suitable for surrounding fire
- **Fire Hazards:** Product is not flammable or combustible
- **Protective Equipment:** Firefighters should wear full protective equipment and self-contained breathing apparatus

## 6. Accidental Release Measures

- **Personal Precautions:** Avoid dust formation and inhalation. Use PPE (mask, gloves, goggles)
- **Environmental Precautions:** Prevent unnecessary release into environment
- **Clean-Up Methods:** Sweep or vacuum material without generating dust. Dispose according to local regulations

## 7. Handling and Storage

- **Handling:** Avoid dust formation. Handle in well-ventilated areas. Avoid inhalation of dust
- **Storage:** Store in tightly closed containers in a cool, dry, well-ventilated location

## 8. Exposure Controls / Personal Protection

Field	Information
OEL (TWA)	Not specifically regulated; apply general dust limits (10 mg/m <sup>3</sup> inhalable, 5 mg/m <sup>3</sup> respirable)
Engineering Controls	Local exhaust ventilation recommended where dust is generated
PPE	Dust mask (P2), safety goggles, gloves
Environmental Controls	Avoid unnecessary environmental release

## 9. Physical and Chemical Properties

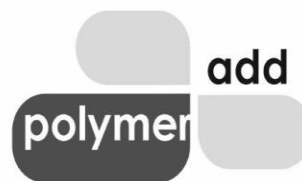
Property	Value
Appearance	White fine powder
Odour	Odourless
pH	~6–8 (slurry)
Melting Point	~1580 °C
Boiling Point	Not applicable
Flash Point	Not applicable
Flammability	Not flammable
Vapour Pressure	Negligible
Relative Density	~4.4–4.5
Solubility in Water	Insoluble
Auto-Ignition Temperature	Not applicable
Decomposition Temperature	Stable under normal conditions

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Explosive Properties	Dust may form explosive mixtures under extreme conditions
Oxidizing Properties	None

## 10. Stability and Reactivity

- **Stability:** Stable under normal storage and use conditions
- **Hazardous Reactions:** None expected under normal use
- **Incompatible Materials:** Strong acids
- **Decomposition Products:** Sulfur oxides at extremely high temperatures

## 11. Toxicological Information

Test	Result
Oral LD <sub>50</sub> (rat)	>5000 mg/kg
Skin Irritation	Not irritating
Eye Irritation	May cause mild mechanical irritation
Sensitization	Not expected
Carcinogenicity	Not classified

## 12. Ecological Information

Organism	Test Type	Result
Fish	LC <sub>50</sub> (96 h)	>1000 mg/L
Daphnia	EC <sub>50</sub> (48 h)	>1000 mg/L
Algae	EC <sub>50</sub> (72 h)	>1000 mg/L

**Conclusion:** Insoluble inorganic material with low environmental hazard under normal use

## 13. Disposal Considerations

- Dispose in accordance with local regulations
- Not classified as hazardous waste
- Clean packaging before reuse or disposal
- EU Waste Code: 01 04 10

## 14. Transport Information

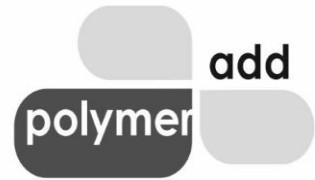
Mode	Classification	Remarks
ADR/RID	Not regulated	Non-dangerous goods
IMDG	Not regulated	Not a marine pollutant
ICAO/IATA	Not regulated	Not restricted
DOT	Not regulated	Not hazardous

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## 15. Regulatory Information

- REACH: Registered / compliant
- CLP: Not classified
- Listed in major global inventories (TSCA, DSL, AICS, IECSC, etc.)

## 16. Other Information – Barium Sulfate (CAS 7727-43-7)

- SDS Version: 1.0 / 2025
- Date of Preparation: July 2025
- Reason: Alignment with Polymer Add SDS format

### Disclaimer:

This SDS is intended for industrial handling, storage, and transportation. It is not a product specification. Polymer Add (Thailand) Co., Ltd disclaims liability for misuse.

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