

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: SODIUM SULFATE (MICRONIZED)

CAS Number: 7757-82-6

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

Field	Information
Product Name	Sodium Sulfate (Micronized)
CAS Number	7757-82-6
Relevant Identified Uses	Functional filler, extender in plastics, polymers, adhesives, coatings
Uses Advised Against	Not suitable for food, medical, or pharmaceutical use without qualification
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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Email	contact@polymeradd.co.th

2. Hazards Identification

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

3. Composition/Information on Ingredients

Substance	CAS No	EC No	Purity
Sodium Sulfate	7757-82-6	231-820-9	≥ 98% (micronized)

4. First Aid Measures

- General Advice:** No specific hazards expected. Remove from exposure. Seek medical attention if symptoms persist.
- Inhalation:** Remove to fresh air. If irritation occurs, seek medical advice.
- Skin Contact:** Wash with soap and water. If irritation develops, consult a physician.
- Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present.

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- **Ingestion:** Rinse mouth. Drink water. Seek medical attention if large quantities are ingested or symptoms occur.

5. Firefighting Measures

- **Extinguishing Media:** Use water spray, dry chemical, foam, or CO₂.
- **Hazards:** Non-combustible. In fire, may release sulfur oxides.
- **Protective Equipment:** Use self-contained breathing apparatus if needed.

6. Accidental Release Measures

- **Personal Precautions:** Avoid dust formation. Wear appropriate PPE.
- **Environmental Precautions:** Prevent from entering drains or waterways.
- **Clean-Up Methods:** Sweep up and collect in suitable containers for reuse or disposal. Clean spill area with water.

7. Handling and Storage

- **Handling:** Avoid creating dust. Use adequate ventilation.
- **Storage:** Keep in tightly closed containers in a dry, cool, well-ventilated place.
- **Explosion/Fire Risk:** Dust may form explosive mixtures in air under certain conditions.

8. Exposure Controls / Personal Protection

Field	Information
OEL	No specific limit established
Engineering Controls	Use local exhaust or general ventilation
PPE	Safety goggles, gloves, dust mask (P2 or equivalent)
Environmental Controls	Avoid uncontrolled release into environment

9. Physical and Chemical Properties

Property	Value
Appearance	White crystalline or fine powder
Odour	Odourless
pH (5% solution)	6.5 – 8.5
Melting Point	~884 °C

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Boiling Point	Not applicable (decomposes)
Flash Point	Not applicable
Flammability	Not flammable
Vapour Pressure	Not applicable
Relative Density	~2.68 (water = 1)
Solubility in Water	200 g/L at 20 °C
Auto-Ignition Temperature	Not applicable
Decomposition Temperature	>900 °C
Explosive Properties	Dust explosion possible in fine powder form
Oxidizing Properties	None

10. Stability and Reactivity

- **Stability:** Stable under normal storage and handling conditions
- **Hazardous Reactions:** None known under normal conditions
- **Incompatible Materials:** Strong acids, reducing agents
- **Decomposition Products:** Sulfur dioxide, sulfur trioxide (at high temperatures)

11. Toxicological Information

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

12. Ecological Information

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

Conclusion: Not hazardous to aquatic life. Not persistent or bioaccumulative.

13. Disposal Considerations

- **Product Waste:** Dispose in accordance with local regulations. Prefer reuse or recycling.
- **Contaminated Packaging:** Reuse or dispose as per local legislation.
- **Waste Code (EU):** 06 03 14 – Wastes from inorganic chemical processes

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14. Transport Information

Mode	Classification	Remarks
ADR/RID (Road/Rail)	Not regulated	Non-hazardous
IMDG (Sea)	Not regulated	Not a marine pollutant
ICAO/IATA (Air)	Not regulated	Safe for air transport
DOT (USA)	Not regulated	Not classified

15. Regulatory Information

- **REACH:** Registered / exempt
- **CLP (EC No. 1272/2008):** Not classified
- **US TSCA / Canada DSL / AICS / KECI / IECSC / PICCS / NZIoC:** Listed

16. Other Information – Sodium Sulfate (CAS 7757-82-6)

- **SDS Version:** 1.0 / 2025
- **Date of Preparation:** July 2025
- **Reason for Issue:** First issue in harmonized 16-section format

Abbreviations:

CAS – Chemical Abstracts Service

CLP – Classification, Labelling and Packaging

REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals

LD₅₀ – Median Lethal Dose

EC₅₀ – Half Maximal Effective Concentration

Disclaimer:

This SDS is intended as guidance for safe handling and does not constitute a product specification. Polymer Add (Thailand) Co., Ltd assumes no liability for improper use. Final responsibility lies with the end user.