

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: ALUMINIUM STEARATE (Micronized)

CAS Number: 7047-84-9

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

Field	Information
Product Name	ALUMINIUM STEARATE (MICRONIZED)
CAS Number	7047-84-9
Relevant Identified Uses	Thickener, gelling agent, water repellent, lubricant in coatings, inks, PVC, adhesives, cosmetics, and thermoplastics
Uses Advised Against	Not intended for food or pharmaceutical use unless explicitly tested and approved
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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2. Hazards Identification

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

3. Composition/Information on Ingredients

Substance	CAS No	EC No	Purity
Aluminium Stearate	7047-84-9	615-286-4	≥ 98%

4. First Aid Measures

- **General Advice:** No specific hazards under normal industrial use.
- **Inhalation:** Move to fresh air. Seek medical attention if symptoms persist.
- **Skin Contact:** Wash with soap and water. Seek medical attention if irritation develops.

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- **Eye Contact:** Rinse cautiously with clean water for several minutes. Remove contact lenses if present. Seek medical attention if irritation persists.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical help if discomfort occurs.

5. Firefighting Measures

- **Extinguishing Media:** Foam, dry chemical, CO₂, or water spray
- **Fire Hazards:** Combustible solid. Decomposes to release CO, CO₂, and aluminum oxides
- **Protective Equipment:** Firefighters should wear full protective equipment and self-contained breathing apparatus

6. Accidental Release Measures

- **Personal Precautions:** Avoid creating dust. Use personal protective equipment (mask, gloves, goggles)
- **Environmental Precautions:** Prevent release to drains, soil, or waterways
- **Clean-Up Methods:** Collect mechanically, sweep or vacuum without generating airborne dust. Dispose in accordance with local regulations

7. Handling and Storage

- **Handling:** Use in well-ventilated areas. Avoid dust formation, inhalation, and contact with eyes and skin.
- **Storage:** Store in tightly closed containers in cool, dry, ventilated areas. Keep away from oxidizing agents.

8. Exposure Controls / Personal Protection

Field	Information
OEL (TWA)	General nuisance dust limits: 10 mg/m ³ (inhalable), 5 mg/m ³ (respirable)
Engineering Controls	Provide local exhaust ventilation where dust is generated
PPE	Dust mask (P2), safety goggles, protective gloves
Environmental Controls	Prevent dust release into environment

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9. Physical and Chemical Properties

Property	Value
Appearance	White or off-white fine powder
Odour	Slight fatty odour
pH	Not applicable
Melting Point	Decomposes above ~200 °C
Boiling Point	Not applicable
Flash Point	>250 °C
Flammability	Combustible solid
Vapour Pressure	Negligible
Relative Density	~1.02 – 1.1
Solubility in Water	Practically insoluble
Auto-Ignition Temperature	>400 °C
Decomposition Temperature	>200 °C
Explosive Properties	Dust may form explosive mixture in air
Oxidizing Properties	None

10. Stability and Reactivity

- **Stability:** Stable under recommended storage and handling conditions
- **Hazardous Reactions:** None under normal use
- **Incompatible Materials:** Strong acids and oxidizers
- **Decomposition Products:** Carbon oxides and aluminium oxides

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	Not listed as carcinogenic (IARC, NTP, OSHA)

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: Low toxicity to aquatic organisms. Poor water solubility. Not readily biodegradable.

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13. Disposal Considerations

- **Product Waste:** Dispose of in accordance with local regulations. Not classified as hazardous waste.
- **Contaminated Packaging:** Empty and clean before reuse or disposal
- **Waste Code (EU):** 07 06 99 – Wastes not otherwise specified

14. Transport Information

Mode	Classification	Remarks
ADR/RID (Road/Rail)	Not regulated	Not classified as dangerous
IMDG (Sea)	Not regulated	Not a marine pollutant
ICAO/IATA (Air)	Not regulated	Not restricted
DOT (USA)	Not regulated	Not hazardous

15. Regulatory Information

- **REACH:** Exempt (inorganic salt)
- **CLP (EC No. 1272/2008):** Not classified
- **Inventories:** Listed in TSCA, DSL, AICS, IECSC, ENCS, KECI, PICCS, NZIoC

16. Other Information – Aluminium Stearate (CAS 7047-84-9)

- **SDS Version:** 1.0 / 2025
- **Date of Preparation:** July 2025
- **Reason for Issue:** First SDS issued for micronized industrial grade

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 provided for safe handling, storage, and transport of the material. It does not constitute a product specification. Polymer Add (Thailand) Co., Ltd assumes no responsibility for misuse or handling outside of recommended use. Final responsibility remains with the user.