

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: TALC (MICRONIZED)

CAS Number: 14807-96-6

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

Field	Information
Product Name	Talc (Micronized)
CAS Number	14807-96-6
Relevant Identified Uses	Functional filler and extender in plastics, rubber, coatings, adhesives, pigments
Uses Advised Against	Not suitable for pharmaceutical or personal care use without qualification
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
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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 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
Talc ($\text{Mg}_3\text{Si}_4\text{O}_{10}(\text{OH})_2$)	14807-96-6	238-877-9	≥ 95% (micronized grade)

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 breathing difficulty or cough persists, seek medical advice.
- Skin Contact:** Wash with soap and water. If irritation develops, consult a physician.

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- **Eye Contact:** Rinse thoroughly with clean water for several minutes. Remove contact lenses if present.
- **Ingestion:** Rinse mouth. Drink water. Seek medical advice if symptoms appear.

5. Firefighting Measures

- **Extinguishing Media:** Use appropriate extinguishing media for surrounding fire. Talc is non-flammable.
- **Hazards:** Material is inert. No unusual hazards expected.
- **Protective Equipment:** Use protective gear appropriate for surrounding fire.

6. Accidental Release Measures

- **Personal Precautions:** Avoid creating dust. Wear suitable PPE (dust mask, goggles).
- **Environmental Precautions:** Prevent entry into drains or watercourses.
- **Clean-Up Methods:** Collect dry material mechanically. Use vacuum or damp sweeping to avoid dust dispersion.

7. Handling and Storage

- **Handling:** Avoid dust formation. Use with adequate ventilation.
- **Storage:** Store in a cool, dry, well-ventilated place. Protect from moisture and contamination.
- **Explosion/Fire Risk:** Dust may pose risk of explosion in highly concentrated airborne mixtures under specific conditions.

8. Exposure Controls / Personal Protection

Field	Information
OEL (TWA)	2 mg/m ³ (respirable dust – ACGIH)
Engineering Controls	Ensure adequate ventilation or use local exhaust
PPE	Safety goggles, gloves, dust mask (P2 or equivalent)
Environmental Controls	Avoid uncontrolled release into the environment

9. Physical and Chemical Properties

Property	Value
Appearance	White to off-white fine powder
Odour	Odourless
pH (in water slurry)	8.0 – 10.0
Melting Point	>1500 °C
Boiling Point	Not applicable
Flash Point	Not applicable

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Flammability	Non-flammable
Vapour Pressure	Not applicable
Relative Density	~2.6 – 2.8
Solubility in Water	Insoluble
Auto-Ignition Temperature	Not applicable
Decomposition Temperature	Not determined
Explosive Properties	Dust explosion risk under extreme conditions
Oxidizing Properties	None

10. Stability and Reactivity

- **Stability:** Chemically stable under normal conditions
- **Hazardous Reactions:** None known
- **Incompatible Materials:** Hydrofluoric acid
- **Decomposition Products:** None under normal use

11. Toxicological Information

Test	Result
Oral LD ₅₀ (rat)	>5000 mg/kg (expected)
Skin Irritation	Not irritating
Eye Irritation	May cause mechanical irritation
Sensitization	Not expected
Carcinogenicity	Some talc grades containing asbestos are carcinogenic. This product is asbestos-free. Not classified as carcinogenic under GHS.

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: Inert mineral. Not expected to bioaccumulate or cause significant aquatic toxicity.

13. Disposal Considerations

- **Product Waste:** Dispose in accordance with local and national regulations. Not considered hazardous waste.
- **Contaminated Packaging:** Clean and reuse if possible or dispose per local waste legislation.
- **Waste Code (EU):** 01 04 13 – Wastes from physical and chemical processing of non-metals

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14. Transport Information

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

15. Regulatory Information

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

16. Other Information – Talc (CAS 14807-96-6)

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