

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: KAOLIN CLAY (MICRONIZED)

CAS Number: 1332-58-7

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

Field	Information
Product Name	KAOLIN CLAY (MICRONIZED)
CAS Number	1332-58-7
Relevant Identified Uses	Functional filler and extender in plastics, rubber, coatings, adhesives, inks, paints, and sealants
Uses Advised Against	Not intended for pharmaceutical, cosmetic, or food applications without testing
Supplier	Polymer Add (Thailand) Co., Ltd
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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
Kaolin Clay (Hydrated Aluminum Silicate)	1332-58-7	310-194-1	≥ 95% (micronized)

4. First Aid Measures

- **General Advice:** No acute hazards expected. Remove from exposure if symptoms occur.
- **Inhalation:** Move to fresh air. Seek medical attention if respiratory symptoms persist.
- **Skin Contact:** Wash with soap and water. If irritation occurs, seek medical attention.

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- **Eye Contact:** Rinse with plenty of clean water. Remove contact lenses if present. Seek medical advice if irritation persists.
- **Ingestion:** Rinse mouth with water. Non-toxic in small quantities. Seek medical attention if discomfort occurs.

5. Firefighting Measures

- **Extinguishing Media:** Use media suitable for surrounding fire. Kaolin is non-combustible.
- **Hazards:** Inert mineral. No known fire or explosion hazard.
- **Protective Equipment:** Use protective gear appropriate for surrounding materials.

6. Accidental Release Measures

- **Personal Precautions:** Avoid dust formation. Use dust mask and eye protection if needed.
- **Environmental Precautions:** Prevent material from entering drains or watercourses.
- **Clean-Up Methods:** Sweep or vacuum without generating dust. Dispose in accordance with local regulations.

7. Handling and Storage

- **Handling:** Avoid inhalation of dust. Ensure good ventilation or use local exhaust systems.
- **Storage:** Store in sealed containers in a cool, dry place.
- **Explosion/Fire Risk:** Low; however, very fine dust in air may pose explosion risk in extreme conditions.

8. Exposure Controls / Personal Protection

Field	Information
OEL (TWA)	2 mg/m ³ (respirable dust – ACGIH)
Engineering Controls	Local exhaust ventilation recommended
PPE	Dust mask (P2 or equivalent), safety goggles, gloves
Environmental Controls	Prevent excessive dust release into the environment

9. Physical and Chemical Properties

Property	Value
Appearance	Fine white to off-white powder
Odour	Odourless
pH (10% slurry)	4.0 – 6.0

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Melting Point	>1600 °C
Boiling Point	Not applicable
Flash Point	Not applicable
Flammability	Non-flammable
Vapour Pressure	Not applicable
Relative Density	~2.6
Solubility in Water	Insoluble
Auto-Ignition Temperature	Not applicable
Decomposition Temperature	Not determined
Explosive Properties	Not explosive, but fine dust may present risk under extreme conditions
Oxidizing Properties	None

10. Stability and Reactivity

- **Stability:** Stable under normal handling and storage conditions
- **Hazardous Reactions:** None known
- **Incompatible Materials:** Strong acids (may react to release alumina and silica components)
- **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	Not classified as carcinogenic by IARC (non-crystalline, asbestos-free grade)

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, naturally occurring mineral. Not bioaccumulative. Not hazardous to aquatic organisms.

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13. Disposal Considerations

- **Product Waste:** Dispose of in accordance with local, regional, and national regulations. Not classified as hazardous waste.
- **Contaminated Packaging:** Reuse or recycle after cleaning. Dispose as per regulations.
- **Waste Code (EU):** 01 04 13 – Wastes from processing of non-metals

14. Transport Information

Mode	Classification	Remarks
ADR/RID (Road/Rail)	Not regulated	Not classified as dangerous goods
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 (naturally occurring mineral, not chemically modified)
- **CLP (EC No. 1272/2008):** Not classified
- **Global Inventories:** Listed or exempt (TSCA, DSL, AICS, IECSC, ENCS, KECI, PICCS, NZIoC)

16. Other Information – Kaolin Clay (CAS 1332-58-7)

- **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:

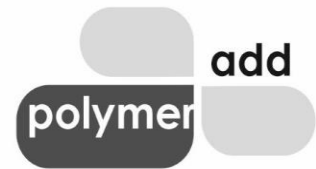
This SDS is provided as guidance for safe handling, storage, and use. It does not constitute a product

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