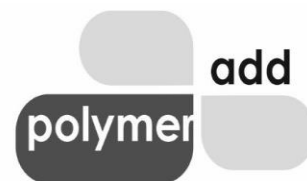


Polymer Add (Thailand) Co.,Ltd.

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



MATERIAL SAFETY DATA SHEET CALCIUM STEARATE - MICRONISED

1. Identification

Item	Information
Product name	Calcium Stearate, Micronised
Chemical name	Calcium salt of stearic acid
Synonyms	Calcium distearate; calcium octadecanoate
CAS number	1592-23-0
EC number	216-472-8
Recommended use	Processing lubricant, acid scavenger, mould release agent and hydrophobic additive in industrial formulations
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
Contact — Thai	0804531391
Contact — English	0839415475
Email	contact@polymeradd.co.th
Emergency telephone	Dedicated emergency number and availability to be confirmed; the contacts above are supplier contacts

2. Hazard identification

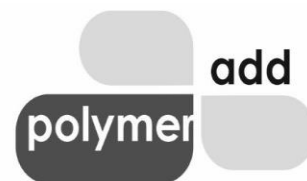
Classification basis: Published supplier SDSs classify comparable Calcium Stearate products as not hazardous under their stated systems. Final classification and label requirements must reflect the actual composition and destination jurisdiction.

GHS pictograms and hazard statements: None assigned on that reference basis.

Other hazards: Combustible powder. **Finely dispersed dust can form explosive mixtures with air.** Airborne dust may cause mechanical eye irritation and coughing. Spilled powder may make floors slippery.

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3. Composition / information on ingredients

Component	CAS number	Composition information
Calcium stearate	1592-23-0	Principal constituent

4. First-aid measures

- **Inhalation:** Move to fresh air. Seek medical attention for persistent coughing or breathing difficulty. If breathing stops, trained personnel should provide resuscitation and obtain emergency assistance.
- **Eye contact:** Rinse gently with water for at least 15 minutes. Remove contact lenses if easy. Obtain medical attention.
- **Skin contact:** Wash thoroughly with soap and water. Remove contaminated clothing.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical advice if unwell. Give nothing by mouth to an unconscious person.
- **Medical treatment:** Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media: Water spray, dry chemical, foam or carbon dioxide.

Specific hazards: Combustible dust; avoid disturbing deposited powder into an airborne cloud. Burning can generate carbon monoxide, carbon dioxide, calcium oxide and irritating fumes.

Firefighter protection: Wear full protective equipment and self-contained breathing apparatus.

6. Accidental release measures

Exclude ignition sources and ventilate the area. Avoid breathing dust. Collect using industrial vacuum equipment suitable for combustible dust or carefully collect small spills without raising dust. Do not use compressed air. Place recovered material in closed, labelled containers. Prevent entry into drains and waterways.

7. Handling and storage

Use enclosed transfer or local exhaust ventilation during charging and mixing. Control dust accumulation and static discharge; earth and bond relevant equipment. Use electrical equipment suitable for the assessed dust hazard.

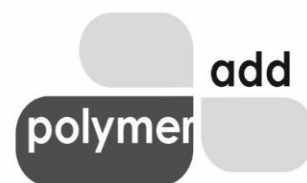
Store tightly closed in a cool, dry, ventilated area away from heat, sparks, flames and strong oxidising agents. Wash hands before eating or drinking.

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8. Exposure controls / personal protection

Published SDSs cite these occupational reference values:

Exposure fraction	Reference eight-hour TWA
Inhalable particulate	10 mg/m ³
Respirable particulate	3 mg/m ³

Protection	Recommendation
Engineering controls	Enclosed handling and local dust extraction
Eyes	Safety glasses; dust goggles where exposure is significant
Hands and body	Suitable gloves and protective work clothing
Respiratory	Properly selected, fitted particulate respirator where dust is not adequately controlled

9. Physical and chemical properties

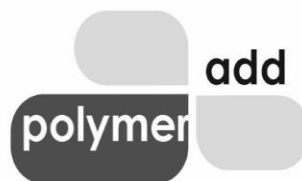
Property	Reference information
Physical state	Solid, fine powder
Colour	White to off-white
Odour	Faint characteristic fatty odour
Molecular formula	Ca(C ₁₈ H ₃₅ O ₂) ₂
Molecular weight	Approximately 607.02 g/mol
Commercial melting range	Typically 150–160°C
Water solubility	Practically insoluble
Bulk density — fine powder	Reference value ≤260 kg/m ³ , equivalent to ≤260 g/L
Moisture	Commercial reference maximum 3.0%
Free fatty acid	Commercial reference maximum 1.0%
Ash	Commercial reference range 9.2–10.2%
Flammability	Combustible; airborne dust presents an explosion hazard

10. Stability and reactivity

Stable under normal storage conditions. Avoid excessive heat, ignition sources and airborne dust accumulation. Strong oxidising agents are incompatible. Hazardous polymerisation is not expected. Fire or severe thermal decomposition can generate carbon oxides and calcium oxide.

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11. Toxicological information

Dust exposure may irritate eyes and respiratory passages. Ingestion may cause gastrointestinal discomfort.

A published SDS reports **oral LD₅₀, rat: >10,000 mg/kg**, indicating low acute oral toxicity in that study. Data for sensitisation, mutagenicity, reproductive toxicity and repeated exposure are incomplete; absence of data does not establish absence of risk.

12. Ecological information

Avoid uncontrolled environmental release. Reliable product-specific aquatic toxicity, biodegradation and bioaccumulation data are unavailable. Low water solubility does not establish environmental harmlessness.

13. Disposal considerations

Recover clean material where practical. Dispose of waste and contaminated packaging according to applicable local requirements. Waste classification depends on contamination and use. Do not discharge to drains or burn openly.

14. Transport information

Item	Reference status
UN number	Not assigned
UN proper shipping name	Not applicable
Transport hazard class	Not applicable
Packing group	Not applicable
IATA / IMDG	Calcium Stearate is reported as not regulated as dangerous goods

15. Regulatory information

Chemical identifiers: **CAS 1592-23-0; EC 216-472-8.**

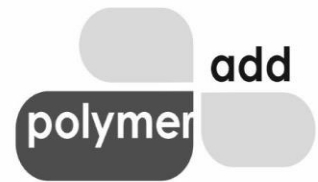
This draft makes no claim of Thai regulatory compliance, food-contact approval, pharmaceutical suitability or supplier-specific registration. Applicable classification, labelling and workplace requirements must be checked before issue.

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16. Other information

Prepared: Oct 2026

Review : Oct 2028

Prepared from published Calcium Stearate safety information and commercial reference properties. This sheet provides handling guidance and does not guarantee composition, quality or finished-product performance. The supplier must verify the final document for the material supplied.

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