

Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalaremprikiat, 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



CALCIUM STEARATE MICRONISED

CAS Number

1592-23-0

Chemical Name and Synonyms

IUPAC Chemical Name

Calcium bis(octadecanoate)

Common Industry / Trade Synonyms

Calcium stearate

Calcium octadecanoate

Stearic acid calcium salt

Physical and Chemical Properties

Property	Description
Appearance	White to off-white fine powder
Density	~1.05–1.10 g/cm ³
Melting Range	150–160 °C (decomposition)
Solubility	Insoluble in water; dispersible in hydrocarbons
Particle Size Distribution (Micronised Grade)	D50: 6–10 µm D90: ≤ 20 µm D99: ≤ 30 µm

Known Uses (Max 10)

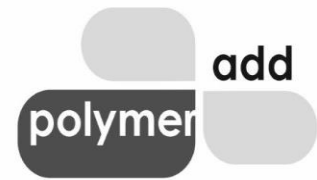
- Coated paper and board
- Construction polymer systems
- Engineering plastics
- Masterbatch production
- Polymer processing aids
- Polyolefin compounds
- PVC compounds
- Rubber compounds
- Wire and cable compounds

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Known Applications

- Acid scavenger
- Flow modifier
- Lubricant
- Processing aid
- Release agent
- Stabilizer

Extra-Ordinary Benefits (Micronised Grade Specific)

- Improved dispersion uniformity in polymer matrices
- Reduced surface defects due to finer particle distribution
- Enhanced processing consistency at low addition levels
- Improved compatibility in high shear mixing environments
- Lower risk of visible specking in thin or light-coloured applications

Regulatory Note

Regulatory status depends on grade, purity, and intended use. Food-contact and regional compliance listings, where applicable, are addressed in separate regulatory documentation.

Disclaimer

The information provided is for technical reference purposes only. No warranty, express or implied, is given regarding suitability for any specific application. Users are responsible for conducting appropriate validation, testing, and regulatory compliance assessments prior to commercial use.

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