

PLATINUM.

A globally trusted PVC & CPVC additives manufacturer



CALCIUM STEARATE

Calcium stearate is a white fine, and free-flowing powder commonly used as a co-heat stabilizer, lubricant, release agent, acid scavenger, and anti-caking agent in various industries such as PVC, polyolefins, construction chemicals, paints, rubber, cosmetics, and pharmaceuticals. It is produced by reacting stearic acid with calcium oxide or hydroxide under controlled reaction parameters. It is non-toxic and is also used as a key raw material in calcium-zinc stabilizers and organic stabilizers for various PVC compounding applications.

Calcium Stearate-PM, **Calcium Stearate-Petro**, and **Calcium Stearate-PC** are key grades from Platinum Group that have international acceptance.

Key Features



Ultra pure contamination free and heat stable product



Comply with US FDA and RoHS standard tested by SGS.



Less than 0.5 Iodine Value and lowest moisture content



Heat stability standard -180°C, 200°C due to lowest possible free fatty acid



Customized grinding technique as per customer's specification



Consistently high-quality product

Applications



PVC



Rubber Tyre



Waterproofing



Petrochemicals

Application Industries	Function	Grade Names
PVC	In PVC plastic compounds as a lubricant and Ca-Zn Heat Stabiizer.	Calcium stearate -PM, SIL, 300, 200, 100
Petrochemicals	Resin manufacturing petrochemical plants making HDPE / LDPE / PVC etc using as a acid scavenger and lubricant.	Calcium stearate -PM, PETRO, PC
Construction chemicals	As constituents in construction chemicals for imparting water proofing effect or for enhanced flow/ lubrication of concrete and as dispersions to increase flowability of RMC	Calcium stearate -PM, CS-300, 200, 100
Masterbatches and Rubber	Lubricant and acid scavenger in masterbatch, and mold releasing agent in automotive and rubber compounding	Calcium stearate -PM, Petro, PIL, SIL.
Paper Coating, Ink and Pencil, Cosmetics	For coating on paper , flowability in ink and pencil. As Calcium ingredient and water repellent in cosmetics.	Calcium stearate -PM, Petro

Heat Stability Test @180 °C



CS-PM
30 min



CS-PM
60 min



CS-PM
90 min

Note: The heat stability test at 200°C is a practical approach to evaluate the suitability of calcium stearate for high-temperature industrial applications. Minimal discoloration after heating indicates good thermal stability, which is critical for use in heat-sensitive polymers



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PLATINUM INDUSTRIES LTD.

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