



## Technical Data Sheet

### OnAdd® Calcium Stearate

**INTRODUCTION:** OnAdd® Calcium stearate is carboxylate of calcium that is found in some lubricants and surfactants. Calcium Stearate is a white waxy powder and is also the main component of soap scum.

Synonym	Calcium octadecanoate; Calcium distearate; Octadecanoic acid, calcium salt
CAS No.	1592-23-0, 85251-71-4
EINECS No.	216-472-8, 286-484-6
Molecular Formula	C <sub>36</sub> H <sub>70</sub> CaO <sub>4</sub>
Molecular Weight	607.02

### SPECIFICATIONS

Test	Unit	Specification
Appearance	-	White Powder
Ash content	Wt. %	11.5 ± 1.0
Calcium Content	Wt. %	7.0 ± 0.5
Melting Point	°C	150 ± 5.0
Moisture Content	Wt. %	Max 2.5
Free fatty acid	Wt. %	Max 1.0
Passing through 325 mesh	%	Min 99.0

### APPLICATIONS

- In plastics, it eliminates corrosion in the downstream process. It also acts as an acid scavenger or neutralizer, a lubricant and a release agent. It may be used in plastic colorant concentrates to improve pigment wetting. In rigid PVC, it can accelerate fusion, improve flow and reduce die swell.
- Personal care and pharmaceutical industry include tablet mould release, anti-tack agent and gelling agent.
- It is used as a flow agent in powders including some foods, a surface conditioner in hard candies such as Sprees, a waterproofing agent for fabrics, a lubricant in pencils and crayons.
- Paint Industry, Paper Industry
- Water repellent in concrete admixtures
- Additive in phenol formaldehyde and Hexamine Hardener

**PACKAGING:** 25 Kg HDPE Bag

**STORAGE:** Store in a cool & dry location and in well-ventilated area

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