

Product Information

Calcium Stearate

Product Description:

Calcium Stearate is a white free flowing powder that is insoluble in water, providing it water repellent properties. It is produced from heating stearic acid and calcium oxide. It has anti-foaming and anti-caking qualities. Calcium stearate has excellent dispersion properties and a controlled particle size, resulting in its widespread use as a lubricant.

Applications:

Calcium Stearate is used as a lubricant in plastics production and in the process of extrusion laminating of plastics and metals. It is used as a concrete efflorescence control agent and as a gelling agent in pharmaceuticals. It is used to waterproof fabrics and as an anticaking and flow agent in a variety of applications.

Chemical Formula:

$C_{36}H_{70}CaO_4$

CAS No. :

1592-23-0

Specifications:

Parameters (units)	Specifications
Appearance	White free flowing powder
Loose bulk density (g/mL)	Approx. 0.22
Tapped density (g/mL)	Approx. 0.26
Moisture content (%)	≤ 2
Electrolytes (%)	≤ 1
Residue on 300 Mesh (%)	≤ 0.2
Melting point (°C)	160 ± 5
Gel quality	Clear and transparent
Calcium oxide content (%)	9 - 10
Ash content (%)	10 - 11
Free fatty matter (%)	≤ 1
pH	8 - 10.5

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Packaging:

Material packaging options are available upon enquiry.

Storage:

Product should be stored in a dry place away from direct sunlight in sealed, original packaging.

Safety:

For further safety information refer to product SDS available from your Bisley International contact.

Disclaimer: This document is for information purposes only. Customers are responsible for testing and confirming the suitability of this product in their application. To the extent permitted by law, no warranty as to merchantability or fitness of purpose, expressed or implied, is made.

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