



LITHIUM STEARATE

C₁₈H₃₅LiO₂

CAS NUMBER

4485-12-5

PRODUCT DESCRIPTION

Lithium Stearate is a fine, white, free-flowing hydrophobic powder. It functions effectively as a thickener, stabilizer, and corrosion inhibitor across various industrial applications. With a high melting point and excellent water resistance, it is widely used in grease formulations and serves as a stabilizing agent in plastics and cosmetics.

APPLICATIONS

- General-purpose lubricants and greases
- Corrosion inhibitor in petroleum-based systems
- Stabilizer in plastic formulations
- Additive in personal care and cosmetic products



LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.

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This document is subject to revision without notice as new data becomes available.

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PRODUCT SPECIFICATIONS

Property	Unit	Typical Value
Appearance	-	White Powder
Bulk Density	g/cm ³	0.30 - 0.40
Moisture (105°)	%	< 2.0
Electrolytes	%	< 1.0
Melting Point	°C	210 - 240
Ash Content	%	5.0 ± 0.5
Free Fatty Matter	%	1.0
Residue on 200 mesh	% (max)	2.0

PACKAGING

Available in 25 kg bags and custom packaging upon request.

TOXICITY / SAFETY DATA / HANDLING / STORAGE / DISPOSAL

Refer to the Safety Data Sheet (SDS) for detailed guidance on handling, toxicity, storage, and disposal procedures. Always use appropriate PPE.

SHELF LIFE AND STORAGE

Store in a dry, well-ventilated area away from moisture. Avoid exposure to high temperatures and pressure to prevent caking.