



Performance | Sustainability | Technical Excellence | Commercial Scale

Innoleo[®] LHS (CAS# 7620-77-1)

Innoleo[®] LHS is a lithium 12-hydroxystearate soap used as a pre-formed thickener in lithium grease production. The product allows the manufacturer to avoid the costly heating and evaporation steps required to make the soap “in-situ.” The removal of these steps can lead to a more consistent crystal formation at an overall lower cost. The use of the pre-formed soap also allows the formulator to make a biobased grease by incorporating BT’s line of estolides to create innovative, biodegradable greases that can meet sustainability mandates driven internally as well as externally.

Production Benefits

- Removes use of high heat
- Improves consistency in grease production
- Lowers manufacturing time
- Eliminates the use of water
- Improves additive use

Typical Properties

Property	Units	Result
Appearance	-	White Powder
Moisture	%	1.0 max
Melt Point	°C	200 min
Free Alkalinity	% of NaOH	0.5 max
Free Fatty Acid	%	<2.0
Lithium Content	%	2.06-2.46
Particle Size	-	90-100 mesh, min
Contamination	-	5 pcs of 0.1mm, max

The concierge service provider of sustainable oleochemicals