



TECHNICAL DATA SHEET

Product Name	Methyl 12-Hydroxystearate
Acronym	M-12HSA
CAS No.	141-23-1
Synonyms	Methyl 12 Hydroxy Stearate
Chemical Formula	C ₁₉ H ₃₈ O ₃
Molecular Weight	314.50
Application Areas	<p>Greases : As a source of fatty acid for the preparation of glycerin free lithium and calcium greases</p> <p>Waxes and lubricants : As a blending agent</p> <p>Coatings: As a resin intermediate in both Solvent & water Based Systems & Plasticizers.</p> <p>Cosmetics: As a firming agent.</p> <p>Rubber: For Halogenated or Un halogenated Butyl rubbers and for Press cured EPDM rubbers.</p> <p>Elastomers : As an activator and internal lubricant</p> <p>Plastics : A replacement for stearic acid having greater compatibility and a higher melting point</p> <p>Other: As a raw material with reactive sites at the carboxyl and hydroxyl groups</p> <p>For production of finished metal parts where intricate shapes and difficult contours cannot be milled or machined.</p> <p>Important low temperatures volatiles offer was ingredient.</p> <p>For casting process, expansion, shrinkage & viscosity are excellent, also thermal conductivity and low surface tension are useful.</p>
Packaging	
Pallet Size	55 lb / 25 kg polyline bags
Bulk	FCL of 14.5 MT palletized and shrink wrap



Avalon Chemicals, Inc.

SPECIFICATION SHEET

Product : Methyl 12-Hydroxy Stearate

CAS No. : 141-23-1

Parameters	Specification
Appearance	Off white flakes
Acid Value (mgKOH/g), max	6
Saponification Value (mgKOH/g)	175 – 185
Iodine Value (g I₂/100mg), max	4
Color G, max	3
Hydroxyl Value (mgKOH/g), min	160
Melting Point °C	49 – 51