广州元腾化学有限公司
Guangzhou HCS Chemicals Co.,Ltd

TECHNICAL DATA SHEET

INCI: C16-18 Fatty acid triethanolamine ester quaternary, methyl sulphate

CAS: 157905-74-3

EINECS: 605-113-4

Technical Specifications:

Chemical Properties	Specifications
Appearance	White to pale yellow paste
Gardner Color	≤ 3
Active Matter (meq/g)	1.03–1.13
Acid Value (mgKOH/g)	≤ 6.0
Amine Value (mgKOH/g)	≤ 6.0
Solid Content (%)	87.0–89.0
5% aqueous pH	2.0–4.0

Main Ingredients / Composition:

Component / Ingredient	CAS	Content%
C16-18 and C18-unsaturated fatty acid-2-hydroxy-N,N-bis(2-hydroxyethyl)-N-methyl ammonium methyl sulfate salt	157905-74-3	88
Propane-1,2-diol	57-55-6	11.5
Stearic acid	1957/11/4	0.5

Usage / Application:

Recommended dosage: 3%–20% (as stated in the source).
Softener, antistatic agent, wetting aid with low foaming and re-wetting properties. For finishing bleached, dyed cotton, linen, silk, wool, polyester and acrylic fibers. Can replace dialkyl quaternary ammonium salts (D1821) in textile finishing. Also used in fabric softeners, washing/cleaning products, hair conditioners, and car rinse agents. Can be formulated up to 20% without layering. May be used with smoothing silicone oils, softener flakes, stearic acid and higher alcohols. Suggested textile use: 2–3% of fabric weight.

Package, Storage & Safety:

Packaging: 200 L wide-mouth flanged plastic drums.
Storage: Cool, dry, well-ventilated warehouse; keep sealed and away from heat, ignition sources, flammables, and strong oxidizers. Provide spill containment and check labels for leaks.
Shelf life: 2 years.
Disposal: Do not release in large amounts into groundwater; handle product and containers according to local requirements.
Transportation: The product is not classified as dangerous goods and can be transported as general cargo; verify against current SDS and shipping requirements.