

NON-IONIC SURFACTANTS

Fatty Acid Methyl Ester Ethoxylates FMEE

Low-foaming, fast-rinsing methyl ester ethoxylate for industrial and hard surface cleaning, made by direct ethoxylation.

Overview

FMEE is a non-ionic surfactant made by ethoxylating fatty acid methyl ester directly over a special catalyst, rather than going through a fatty alcohol. Against alcohol ethers it dissolves in water far faster, foams less and breaks foam quicker, and solubilises grease more strongly. Skin irritation is comparable to APG or amino acid surfactants, biodegradation is good, and it costs less than the alcohol ether it replaces.

Typical Data

Property	Value
Component	RCO(EO) _n OCH ₃
Appearance	Colourless or pale yellow liquid
PEG	95 +/- 5%
Water content	0.5% maximum
Saponification value	1.5 maximum
Packing	200 kg drum
Transport	Non-dangerous goods

Use Guide

- Add directly to the water phase; it dissolves quickly with normal agitation.
- Avoid long exposure during storage so quality is not affected.
- Store and transport as non-dangerous goods in the 200 kg drum it ships in.
- Where a formulation currently uses an alcohol ether, start by matching on active content and then adjust for the lower foam.

Applications

- Liquid detergents
- Hard surface cleaning agents
- Pesticide emulsification
- Oil phase mediation
- Personal washing products

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