

## Product Description

**Mackester EGMS** is a grade of ethylene glycol monostearate synthesized for cosmetic formulations. It is an excellent opacifier and pearl producing agent for lotions, creams, shampoos, and hand cleansers. It is a low HLB emulsifier and emulsion stabilizer for O/W and W/O systems. **Mackester EGMS** is soluble in hydrocarbons, esters, ketones, chlorinated hydrocarbons and insoluble in water. **Mackester EGMS** is totally biodegradable and contains no preservatives.

## Specifications

Appearance @ 25 Deg C	Waxy Flake
Infrared Spectrum	Matches Standard
Melting Point, Fisher Johns, Deg C	56 – 62
Acid Value	4 Max
Saponification Value, MG KOH/G	180 – 188
Melting Point, Capillary, Deg C	56-63
Gardner Color @ 70 Deg C	2.0 Max
Iodine Value	1.0 Max
pH @ 25 Deg C	4.0 – 8.0
(5% in 50% IPA/Water)	

## Typical Properties

Bulk Density, @ 25°C	0.58
HLB	2.9
C18, %	~70
C16, %	~30

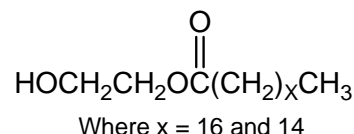
## Principal Uses

Pearled Hand Soaps	1 – 3%
Pearled Shampoos	1 – 3%
Body Wash	1 – 5%
Conditioners	2 – 5%
Skin Creams/Lotions	2 – 5%
Liquid Makeup	1 – 4%

## Shelf Life

Shelf life 48 months from date of manufacture.

## Chemical Structure



## Regulatory

### Mackester EGMS

TSCA: Listed	Japan: Listed
EU: Listed	Korea: Listed
Australia: Listed	New Zea: Listed
Canada: Listed	Philipp: Listed
China: Listed	Swiss: Unknown

## Storage and Handling

**Mackester EGMS** should be stored in sealed containers below 30°C in a dry place out of direct sunlight. Handle between 25°-30°C. Avoid prolonged exposure to heating as this may lead to degradation.

## Packaging

Available in bulk (molten), 25 kilogram bags, 100 kilogram drums and 225 pound fiber drums.

### WARNING

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