



# MACKESTER<sup>®</sup> EGDS

INCI Name: Glycol Distearate

CAS No.: 627-83-8

EINECS: 211-014-3

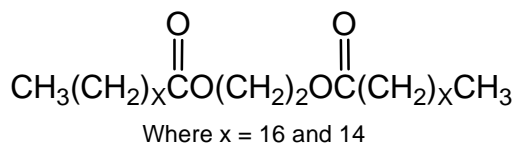
## Product Description

**Mackester EGDS** is a grade of ethylene glycol distearate 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 EGDS** is soluble in hydrocarbons, esters, ketones, chlorinated hydrocarbons and insoluble in water. **Mackester EGDS** is totally biodegradable and contains no preservatives.

## Specifications

Appearance @ 25 Deg C	Waxy Flake
Acid Value	6.0 Max
Saponification Value, MG KOH/G	190 - 205
Infrared Spectrum	Matches Standard
Melting Point, Capillary, Deg C	65 – 70
Iodine Value	1.0 Max

## Chemical Structure



## Typical Properties

Specific Gravity @ 78°C	0.86
HLB	1.6
C18, %	~ 70
C16, %	~ 30
Diester, %	>88

## Regulatory

### Mackester EGDS

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

## 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%

## Storage and Handling

**Mackester EGDS** 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.

## Shelf Life

Shelf life 48 months from date of manufacture.

## Packaging

Available in bulk, 25 kilogram bag, 50 pound bag, 100 kilogram drum, 200 pound fiber drum.

### WARNING

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