

# Coconut Fatty Acid Ethoxylate (KECO)



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**Technical Data Sheet**



## Coconut Fatty Acid Ethoxylates (KECO)

### **Chemical Name:**

Coconut fatty acid Polyethylene Glycol Ester

### **Trade Name:**

KECO

### **Introduction:**

Coconut acid ethoxylates are nonionic surfactants which are such as all kinds of other nonionic surfactants mixtures varying in the number of repeating ethoxy groups. The digit which is appeared after the name of KECO shows the average number of ethylene oxide units in the Coconut acid Ethoxylates molecule. For example, KECO-10 means a coconut acid molecule which is reacted with average ten molecules of ethylene oxide. All kinds of fatty acid ethoxylates are mixtures of Monoester, Diester and free polyethylene glycols.

### **General Applications:**

Coconut Fatty Acid Ethoxylates have many uses, primarily as nonionic surfactants in various formulations both, industrial & cosmetic. These are also used as cleaning agents, wetting agents, dispersants or emulsifier, softeners, spin finishing agents in textile formulations. Also these are used as emulsifiers, solublizer in cosmetics & health care formulations. KECO is miscible with cationic and anionic surfactants. KECO is an excellent emulsifier in textile industry. KECO replaced part of soap used in textile scouring operation. KECO has good wetting and penetrating properties. KECO could be used as a rewetting agent in making paper towel.



### Packaging:

Packaging Type	Net weight	Gross weight	No. of drums per pallet	No. of pallets in a 20 FLC	Shelf life	IMCO Class
New Steel Drums	220 Kgs	238 Kgs	4	20	2 yrs	Non-Imco

### Notice:

We can produce other types of Coconut Fatty Acid Ethoxylates (KECOs), moreover customized packing will be available according to customer's request.

### Safety, Handling & Storage:

Full information on the safety, handling and storage of KECO is available in the corresponding Material Safety Data Sheet ([MSDS](#)).



## Ethoxylated Coconut Fatty Acid -10EO

Trade Name: KECO 10

### Specification

No.	Test	Standard	Reference
1	Appearance at 25°C	Clear liquid	---
2	Viscosity at 25°C, cP	74-90	ASTM D445-03
3	Saponification value, mgKOH/g	84-91	USP31(NF26)
4	pH (5% in water)	6-8	ASTM E70
5	HLB, calculated	13.5	---
6	Cloud point, °C (10% in 25%BDG)	65-75	ASTM D2024
7	Molecular weight	597-677	---
8	Water, percent	Max. 0.5	ASTM E203

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