



# EUROQUAT PK37

versatile  
co-surfactant

## PRODUCT DESCRIPTION

Euroquat PK37 is a low viscous 30% active preservative free palm kernel oil derived amphoteric surface-active agent frequently used as secondary surfactant in a wide range of applications for its excellent viscosity building and foam building properties in combination with extreme mildness.



## INCI NAME

Cocamidopropyl Betaine

## BENEFITS

- Foaming agent
- Foam stabilizer
- Detergency
- Viscosity builder
- Mild to skin and eyes
- Reduction of irritation of anionics
- Compatible with anionic, nonionic and cationic surfactants
- Easy to use

## APPLICATIONS

### Home care Industrial cleaning

- hand dishwashing liquids
- all-purpose cleaners
- toilet cleaners
- car and truck cleaners
- hard surface cleaners



### Personal care

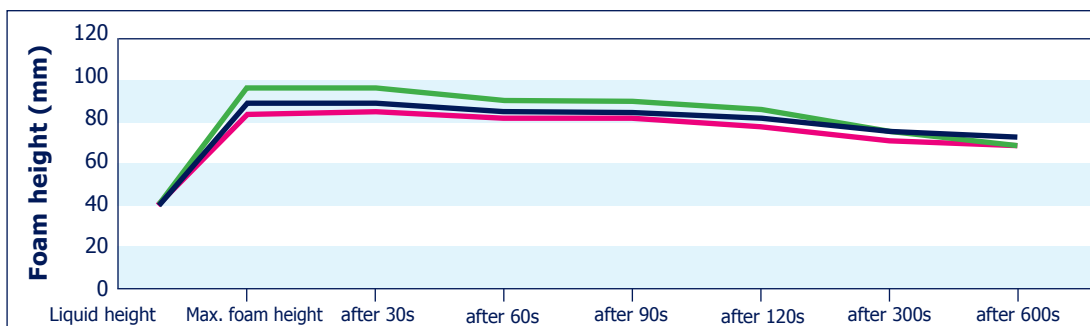
- body washes
- liquid soaps
- foam bubble baths
- shampoos
- shower gels
- facial cleansers

## PROPERTIES



## FOAM FORMATION AND STABILIZATION PROPERTIES

The foam behavior of Euroquat PK37 is studied using a Kruss Dynamic Foam Analyzer. Foam is created by air sparging and foam measurements are done by light transmission. Below graph illustrates that Euroquat PK37 has a typical flash foam and excellent foam stability.



## MEASUREMENT CONDITIONS:

Sample concentration: 0.05% active

Temperature: 40°C

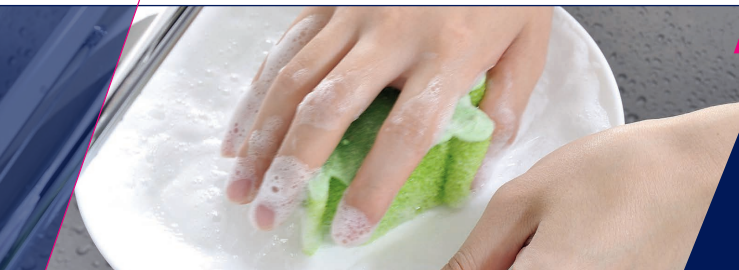
Foam sparging: 15 s

Measuring time: 600 s

■ SLES

■ Euroquat PK37

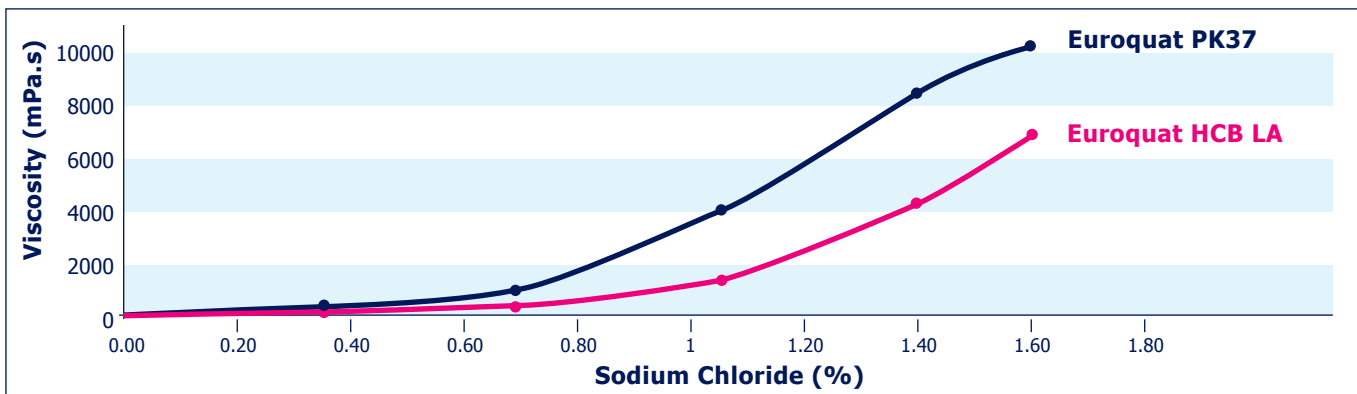
■ Euroquat HCB LA



## VISCOSITY BUILDING PROPERTIES

Euroquat PK37 is an excellent viscosity builder for anionic surfactants solutions in combination with sodium chloride. Below graph illustrates that palm kernel oil based Euroquat PK37 gives better thickening upon addition of sodium chloride in a basic recipe than the coconut oil based Euroquat HCB LA thanks to a slightly different alkyl-chain length distribution. The faster salt response of Euroquat PK37 allows to the formulator either to reduce the level of sodium chloride or to reduce the total amount of surfactant.

INGREDIENT	INCI DESCRIPTION	% w/w
Water	Aqua	60.7
LES28	Sodium Laureth Sulfate	26.0
Euroquat PK37 or Euroquat HCB LA	Cocamidopropyl Betaine	7.3
Eur-Amid V	Cocamide DEA	2.9
Euranaat LS3	Disodium Laureth Sulfosuccinate	3.1
Citric acid	Citric Acid	Qs to pH 5.5



## ORIGIN



## NATURAL FEEDSTOCK

In response to your formulation challenges, EOC Surfactants offers you the opportunity to choose either for a Cocamidopropyl Betaine derived from palm kernel oil Euroquat PK37 or for a Cocamidopropyl Betaine produced from coconut oil, Euroquat HCB LA or Euroquat HCB SB.

## GUIDE FORMULATIONS

Shower and shampoo for kids   Ref 14780-10		
INGREDIENT	INCI DESCRIPTION	% w/w
Water	Aqua	59.0
LES28	Sodium Laureth Sulfate	20.0
Euroglyc AMS	Sodium Cocoamphoacetate	10.0
Euroquat PK37	Cocamidopropyl Betaine	9.0
Glycerin	Glycerin	1.0
EuroNac AN10	Glycol Distearate (and) Sodium Laureth Sulfate (and) Cocamide MEA (and) Laureth-10	1.0
Citric acid	Citric Acid	Qs to pH 6.0

Hand dishwashing liquid   Ref 16345-17		
INGREDIENT	INCI DESCRIPTION	% w/w
Water	Aqua	29.7
LES28	Sodium Laureth Sulfate	53.6
Euroquat PK37	Cocamidopropyl Betaine	16.7
Sodium hydroxide	Sodium Hydroxide	Qs to pH 7.0



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