



EUROQUAT HC47 VG

EUROQUAT PK47

high purity
surfactants

PRODUCT DESCRIPTION

Euroquat HC47 VG and Euroquat PK47 are low viscous preservative free amphoteric surface-active agents frequently used as secondary surfactants in a wide range of applications for their excellent viscosity and foam building properties in combination with extreme mildness.



INCI NAME

Cocamidopropyl Betaine

BENEFITS

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

APPLICATIONS

Home care Industrial cleaning

- hand dish washing 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 cleaners

ORIGIN



NATURAL FEEDSTOCK

In response to your formulation challenges, EOC Surfactants offers you the opportunity to choose either for a Cocamidopropyl Betaine derived from coconut oil, Euroquat HC47 VG, or for a Cocamidopropyl Betaine produced from palm kernel oil, Euroquat PK47.

RSPO Certified

EOC Surfactants, part of the EOC Group, has been a member of the Roundtable on Sustainable Palm Oil since 2012. With this membership, EOC has proven its willingness to use and promote sustainable palm, palm kernel oil and its derivatives in its product range. EOC Surfactants has obtained the Supply Chain Certificate of the Roundtable on Sustainable Palm Oil (RSPO) that guarantees that the criteria for processing RSPO certified palm products through Mass Balance (MB) and Segregated (SG) supply chain models are met for its production sites of Evergem (Belgium), Oudenaarde (Belgium) and Vercelli (Italy).



We are a member of RSPO
License number 2-0349-12-100-00
Check our progress at www.rspo.org

PROPERTIES

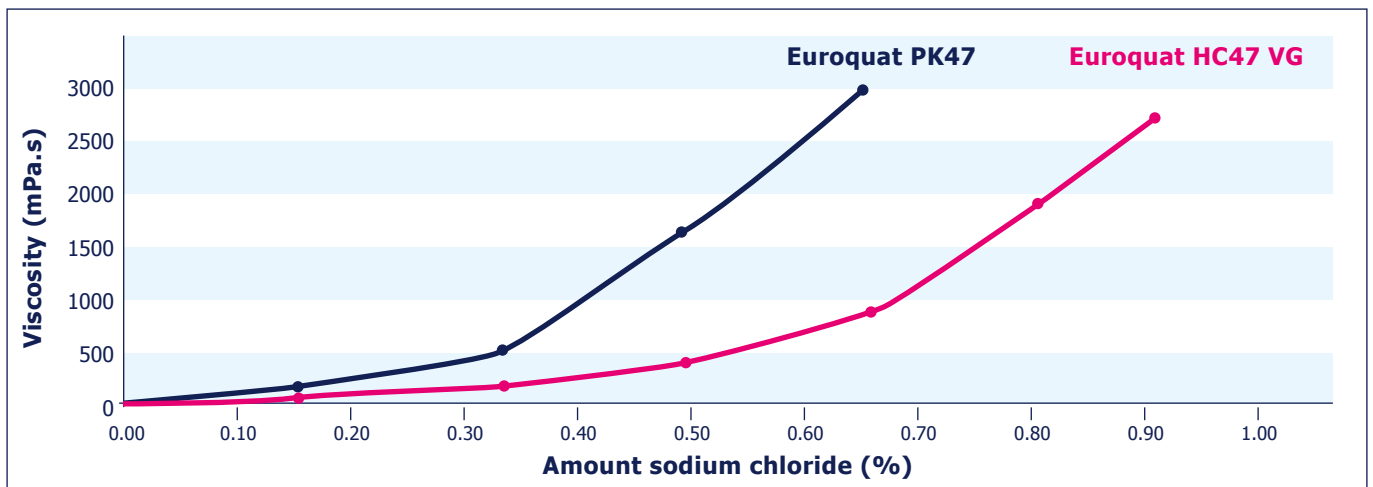


VISCOSITY BUILDING PROPERTIES

Euroquat HC47 VG and Euroquat PK47 are excellent viscosity builders for anionic surfactants solutions in combination with sodium chloride. Below graph illustrates that palm kernel oil based Euroquat PK47 gives better thickening upon addition of sodium chloride in a basic recipe than the coconut oil based Euroquat HC47 VG thanks to a slightly different alkyl-chain length distribution.

FORMULATION DETAILS

INGREDIENT	INCI DESCRIPTION	% w/w
Water	Aqua	61.5
LES28	Sodium Laureth Sulfate	26.4
Euroquat HC47 VG or Euroquat PK47	Cocamidopropyl Betaine	7.3
Eur-Amid V	Cocamide DEA	2.6
Euranaat LS3	Disodium Laureth Sulfosuccinate	2.2
Lactic acid	Lactic Acid	Qs to pH 6.0

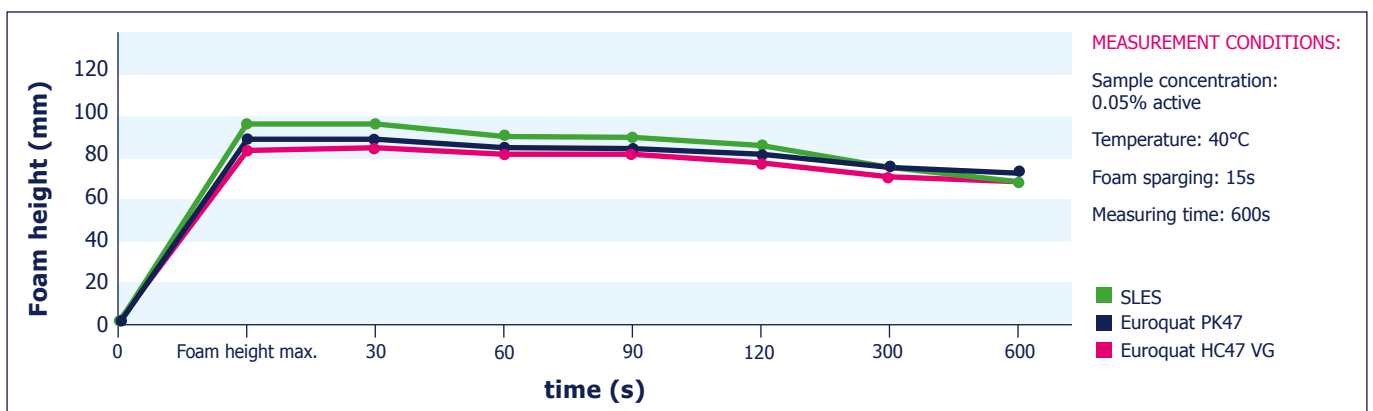


FOAMING PROPERTIES



FOAM FORMATION AND STABILIZATION PROPERTIES

Euroquat HC47 VG and Euroquat PK47 are excellent foam stabilizers. The foam behaviour is studied with the Kruss Dynamic Foam Analyzer. The graph below illustrates that Euroquat HC47 VG and Euroquat PK47 have a lower flash foam than SLES but much better foam stability.



MEASUREMENT CONDITIONS:

Sample concentration: 0.05% active
 Temperature: 40°C
 Foam sparging: 15s
 Measuring time: 600s

■ SLES
 ■ Euroquat PK47
 ■ Euroquat HC47 VG



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