



EURANAAT LS3

combines cleansing
with extreme mildness

PRODUCT DESCRIPTION

Euranaat LS3, extremely mild anionic surfactant, is an excellent foam booster and foam stabilizer used in a wide range of sensitive skin cleansing applications.



INCI NAME Disodium Laureth Sulfosuccinate

BENEFITS

- Foam boosting
- Foam stabilization
- Extremely mild to skin and eyes
- Formulation thinning
- Easy to handle

APPLICATIONS

Personal care

- shampoos
- body washes
- facial cleansers
- baby products
- intimate hygiene
- liquid soaps
- wet wipes



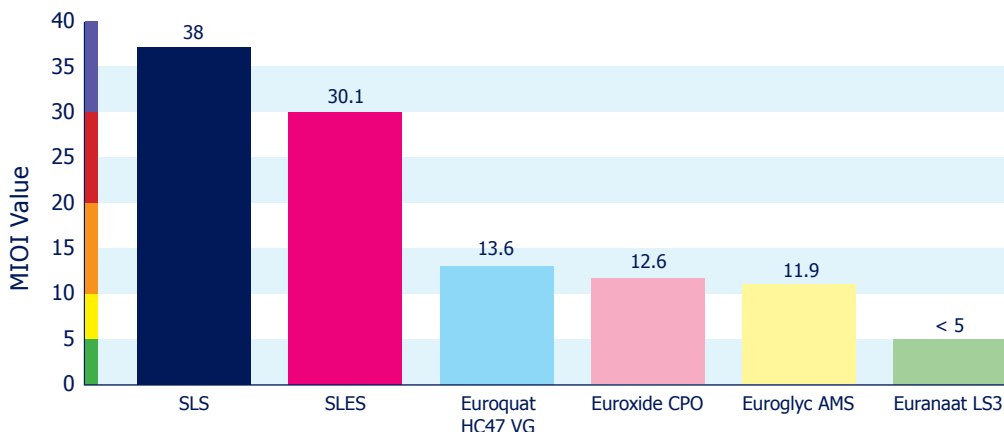
PROPERTIES



MILDNESS

The Red Blood Cell (RBC) tests illustrate that Euranaat LS3 is an extremely mild surfactant compared to other well-known mild co-surfactants like Euroquat HC47 VG (Cocamidopropyl Betaine), Euroxide CPO (Cocamidopropylamine Oxide) and Euroglyc AMS (Sodium Cocoamphoacetate).

RBC test results



Mean Indice of Ocular Irritation (MIOI value)

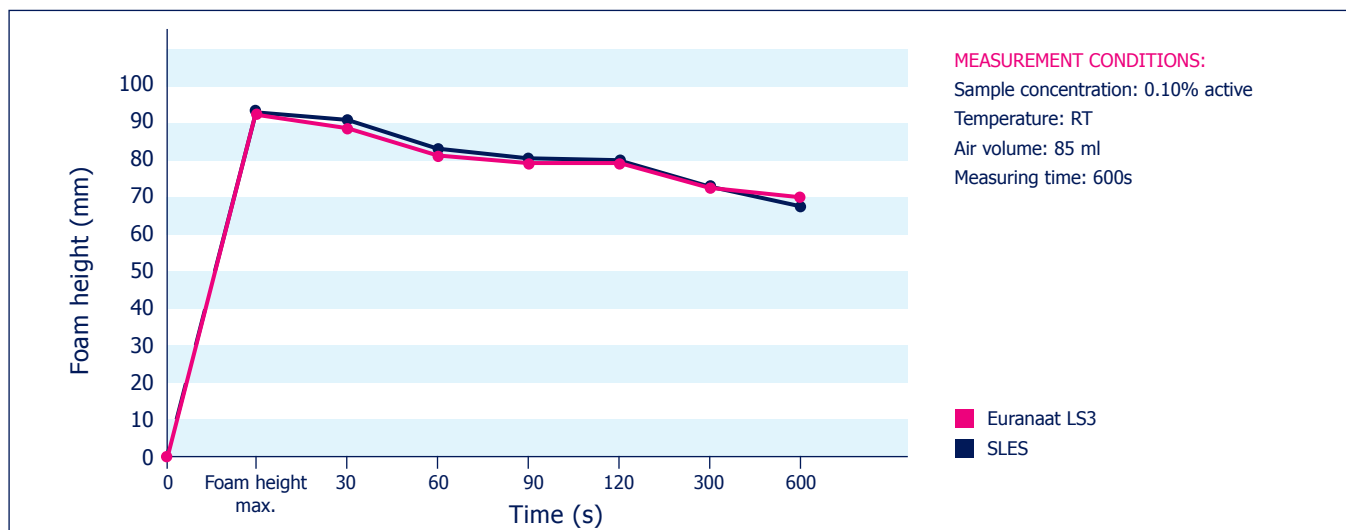
- MIOI > 30
Very irritant
- 20 < MIOI < 30
Irritant
- 10 < MIOI < 20
Light irritant
- 5 < MIOI < 10
Very light irritant
- MIOI < 5
Non irritant

FOAMING PROPERTIES



FOAM FORMATION AND FOAM STABILIZATION PROPERTIES

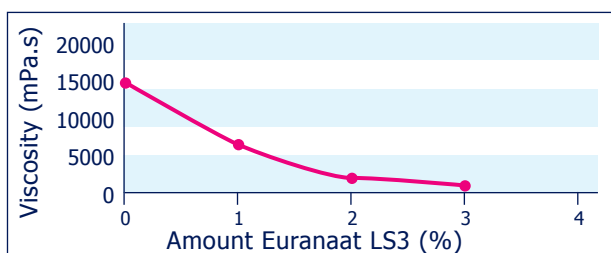
The foaming properties of Euranaat LS3 were evaluated using the Kruss Dynamic Foam Analyser. The graph below illustrates that Euranaat LS3 shows a similar foam behavior compared to SLES.



THINNING PROPERTIES

Addition of Euranaat LS3 to a surfactant based formulation provides an important viscosity decreasing effect.

INGREDIENT	INCI DESCRIPTION	% w/w
Water	Aqua	63.5
LES28	Sodium Laureth Sulfate	24.0
Euroquat HCB LA	Cocamidopropyl Betaine	8.0
Euroglyc D	Disodium Cocoamphodiacetate	4.0
Glycerin	Glycerin	0.5
Lactic acid	Lactic Acid	Qs to pH 6.0
Sodium chloride	Sodium Chloride	Qs to 15000 mPa.s



GUIDE FORMULATION



LES FREE FORMULATIONS

The use of a combination of mild surfactants like Euroquat HC47 VG (Cocamidopropyl Betaine), Euranaat LS3 (Disodium Laureth Sulfosuccinate) and Euroxide LO/A (Lauramine Oxide) allows preparation of a LES free recipe with a viscosity of ca. 1500 mPa.s (Brookfield RVT, sp 4, 20 rpm)

Sulfate-free shampoo Ref 11256-15A		
INGREDIENT	INCI DESCRIPTION	% w/w
Water	Aqua	72.0
Euroquat HC47 VG	Cocamidopropyl Betaine	12.5
Euranaat LS3	Disodium Laureth Sulfosuccinate	7.5
Euroxide LO/A	Lauramine Oxide	6.5
Sodium chloride	Sodium Chloride	1.5
Lactic acid	Lactic Acid	Qs to pH 5.1



EOC Surfactants

Durmakker 35
 B-9940 Evergem
 p/a IP De Bruwaan 12
 B-9700 Oudenaarde

T +32 55 23 58 58
 F +32 55 23 58 59

surfactants@eocgroup.com
 www.eocgroup.com

All recommendations for the use of our products, whether given by us in writing, orally, or to be implied from data or test results obtained by us, are based on the current state of our knowledge at the time such recommendations are made. When additional information is obtained, these recommendations may be updated. They may also be influenced by circumstances outside our control. Notwithstanding such recommendations, the user is responsible to determine that the product as supplied by us, is suitable for the process or purpose he intends to use it. The user of the product is solely responsible for compliance with all laws and regulation applying to the use of the product. Since we cannot control the application, use or processing of the products, we do not accept responsibility therefore. The user shall ensure that the intended use of the products will not infringe in any party's intellectual property rights.