

MARKET POSITIONING

Natural surfactant from vegetable origin

Advanced sensorial features (mild rinse off cosmetics & emulsions)
Green and eco-sustainable philosophy
Specific for hair care and face/body mild cleansers
Cosmos Ecocert approved and Natrue accepted
Based on olive fatty acids, oat peptides and fructose
Palm and Kernel Palm Oil Free
China compliant version available



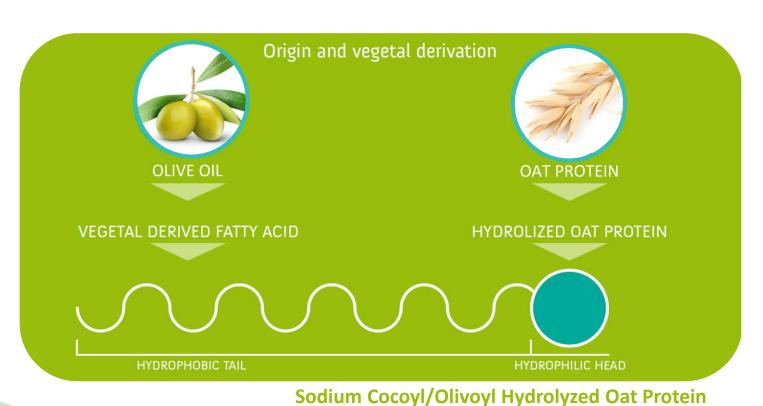


OLIVOIL FRUTTOSIDE BAS





PATENTED ANIONIC LIPO-POLYPEPTIDE: CHEMICAL NATURE



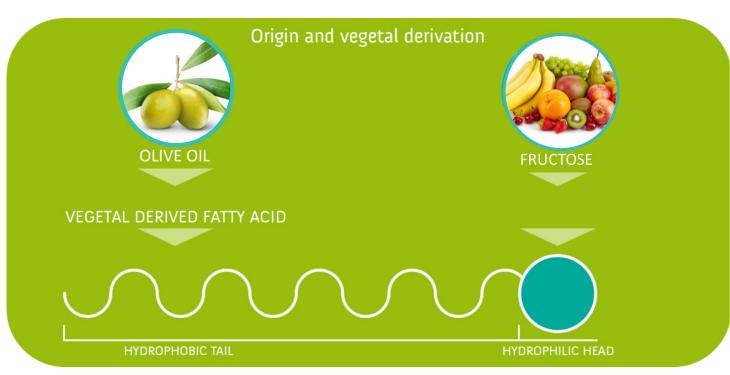
Lipo-polypeptide containing condensed olive oil fatty acids and

oat polypeptides& peptides (Alanine, Threonine, Glycine, Valine)

forming an anionic amphiphilic unit able to form a moisturizing, soothing, skin/hair filming macromolecule with gentle cleansing action



PATENTED NON IONIC LIPO-SUGAR: CHEMICAL NATURE



Fructosyl Olivate

Lipo-sugar containing esterified olive oil fatty acids

fructose

forming non ionic amphiphilic unit able to form a moisturizing, soothing, skin/hair nourishing and conditioning complex with gentle cleansing action



RATIO: CHOICE OF OLIVE OIL FATTY ACIDS

- Millenary use in personal care
- Olive oil is an icon of Mediterranean lifestyle
- Healthy features objectified in food & cosmetics industry
- Unique source of Oleic acid







RATIO: CHOICE OF OAT POLYPEPTIDES & PEPTIDES

- Reference active ingredient for soothing and sensitive skin applications
- Proven skin elasticity, tightness and hydration increase
- Immediate improvement of skin ability to respond to deformation
- Source of nourisihing peptides for damaged hair keratin





RATIO: CHOICE OF FRUCTOSE

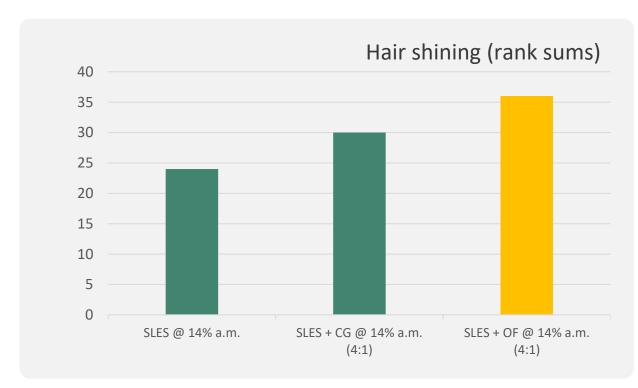
- Reference active ingredient for hair surface
- Moisturizing action on hair and skin
- Milestone active for hair conditioning
- In OF it is found esterified with fatty acids and in free form







HAIR CONDITIONING TESTS



p<0.05

SUBJECTIVE EVALUATION ON HAIR SHINING

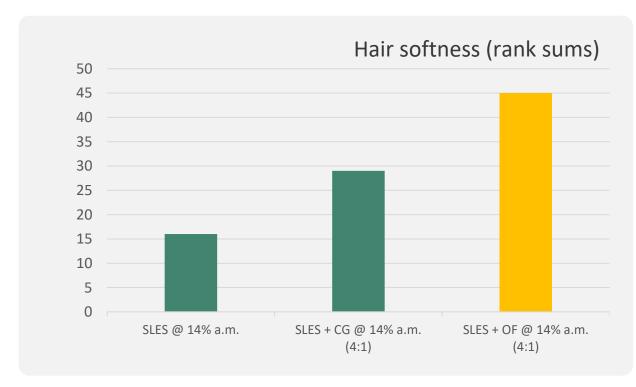
OF @ 2.8 % a.m. in combination to SLES, improves hair shining perceived efficacy

The score reported is significantly higher than SLES used alone and of the SLES + CG combination





HAIR CONDITIONING TESTS



SUBJECTIVE EVALUATION ON HAIR SOFTNESS

OF @ 2.8 % a.m. in combination to SLES, improves hair softness perceived efficacy

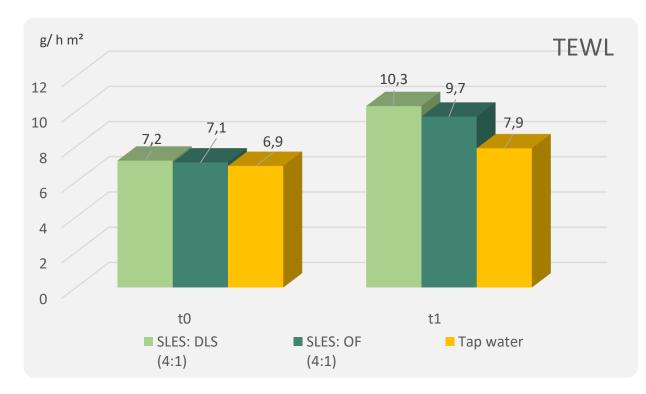
The score reported is significantly higher than SLES used alone and of the SLES + CG combination







TEWL TEST



12 Volunteers – 18 washing - t_0 = 0 days t_1 =5 days Total a.m. of solution tested @ 14%

SKIN BARRIER INTEGRITY EVALUATION

OF is able to decrease SLES aggressiveness more effectively than DLS (Disodium Laureth Sulfosuccinate)

The overall values of water loss are very close to the aggressiveness values of water







- Foam building & boosting
- Viscosity boosting
- CMC
- Surface tension
- Wettability / Contact angle



WAY OF USE

CONCENTRATION OF USE

Olivoil Fruttoside is concentrated at 30% in water solution. It can be used in few potential ways

- Primary surfactant
- @ 10.0 ÷ 30.0 %
- **Secondary** surfactant \bigcirc 2.0 ÷ 10.0 %
- concentration of use as emollient/co-emulsifier in leave on applications \bigcirc 2.0 ÷ 5.0 %

RINSE OFF APPLICATIONS

concentration of use starting from 2% is sufficient to reduce sulfates/sulfonates aggressiveness and obtain tewl score comparable to those of physiological water.

increasing OF concentration up to the maximum values, will provide the formula with directly proportional improvement of its technical and functional properties



WAY OF USE

RINSE OFF APPLICATIONS

pH OF USE

Olivoil Fruttoside is partially made of lipo-polypeptides formed by condensed aminoacids and fatty acids.

The pH of the formula needs to be set depending on the final output desired:

• $5.5 \div 8.0$

if OF is used **at concentration** ≥ **5.0** % and a transparent formulation is required

• 4.5 ÷ 8.0

if OF is used as secondary surfactant at concentration ≤ 5.0 % if the final formulation will be opacified, pearled or is in creamy form



OLIVOIL FRUTTOSIDE: SUSTAINABILITY

SOURCING, ACKNOWLEDGED CERTIFICATIONS AND NATURALITY PARAMETERS

The lipopolypeptide and liposugar units are sourced from **Olea Europaea**, **Cocos Nucifera**, **Saccharum officinarum** and **Avena Sativa**

The Olivoil Fruttoside does not contain Elaeis
Guineensis derivatives: it is PALM and KERNEL PALM
OIL FREE

Cosmos Ecocert approved, Vegan standards compliant, ISO16128 Natural percentage above 90%



OLIVOIL FRUTTOSIDE BAS





RAW MATERIAL APPROVED BY ECOCERT GREENLIFE, CONFORM TO THE COSMOS STANDARD



OLIVOIL FRUTTOSIDE: MARKETING CLAIMS

MARKETING CLAIMS



- PEG , Sulfate and PALM free
- Hair luster, shining and softness booster/ skin moisturizing
- Ideal for tear free formulations
- Cosmos approved sustainable sourcing- high naturality values
- Olive fats, fructose and oat derived
- Formulating natural with elite sensoriality

