

OLIVOIL GLUTAMATE LW

> VEGETABLE MILD SURFACTANT FOR REFILLABLES

PATENTED OLIVE OIL FATTY ACIDS & GLUTAMIC ACID BASED SURFACTANT

Olivoil Glutamate LW is a vegetable derived anionic surfactant concentrated in glycerin, able to build dermo-compatible cleansers and rinse off products, working as a **new generation “surf-active”**.

It is composed of active ingredients as **olive oil fatty acids** (containing skin friendly unsaturated fatty acids, among which oleic and linoleic acid) and **glutamic acid (among the most abundant aminoacid of hair keratin and physiologically found on the skin)**, able to provide a gentle and effective cleansing action, skin emolliency and barrier function restoring to promote a long lasting hydration and keep the homeostasis of the hydrolipidic film, even when used in presence of sulfates/sulfonates. Ideal for hair care applications, too.

Olivoil surfactants can be used both as primary and secondary surfactants and are ideal for the development of transparent end-products for sensitive skin, baby care, hair care and many other rinse-off applications, with an important **impact on eco-sustainability given by their water saving features and suitability for plastic-free, waste reduction and refillable applications.**

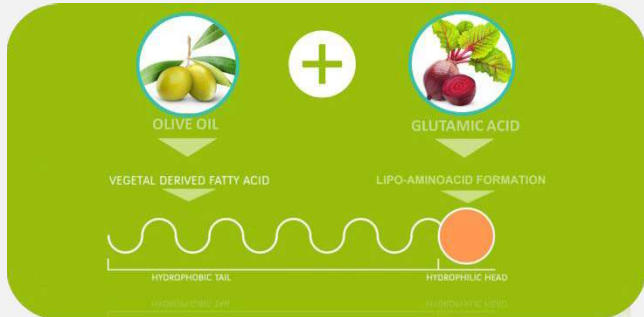
> POSITIONING

FUNCTIONAL AND TECHNOLOGY HIGHLIGHTS

- **PEG, Sulfate & Palm free**
- **Vegetal origin, sustainable sourcing**, based on active ingredients (olive oil and glutamic acid), **environmental impact on water saving plastic-free, waste reduction and refillable applications.**
- Skin barrier restoring for a time prolonged skin moisturization
- Emollient after feel, foam building/boosting
- **Proven in vivo efficacy in TEWL reduction, softness and high tolerability**
- Ideal for sensitive skin, soothing and baby care applications



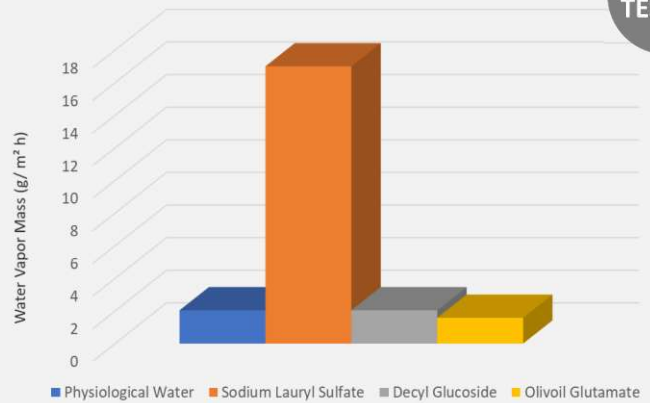
PATENTED LIPO-AMINOACID



Olivoil Glutamate LW is made of a patented anionic lipo-aminoacid, containing emollient olive oil unsaturated fatty acids and glutamic acid.

SKIN BARRIER RESTORING @5%

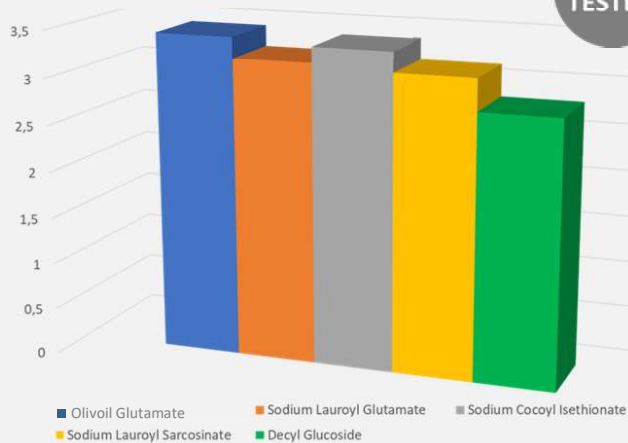
IN VIVO TESTED



OG lipo-aminoacid, when included in rinse off systems, is able to keep the skin barrier integrity better than sulfates, water and mild benchmarks.

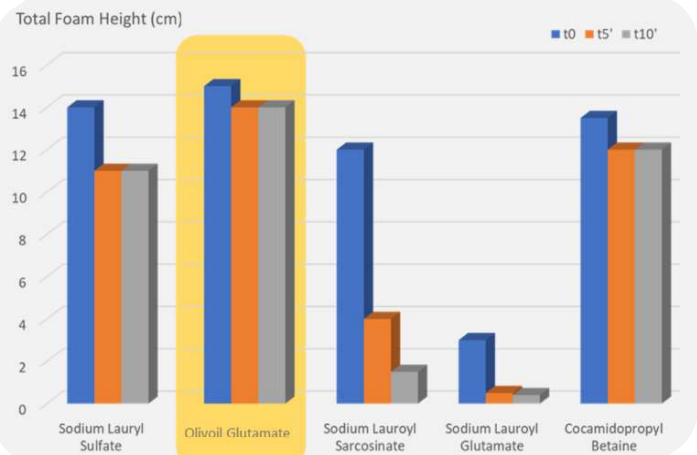
AFTER USE SOFTNESS @25%

IN VIVO TESTED



OG promotes better softness after feel than other mild benchmarks, when included as primary surfactant (same base evaluated for all products).

FOAMING POWER @1,2% A.M.



OG shows a foaming power better than several benchmarks. The foam built has a creamy consistency given by homogeneous small bubbles.

>> TECHNICAL OVERVIEW

PH OF USE	% OF USE	APPLICATIONS	SOURCING	FORMULATION TIPS
4.5 ÷ 8.0 (transparent formulations require pH ≥ 5.5)	10.0 ÷ 70.0	All rinse off applications as cleansing active, emollient in leave on products	Vegetable	Use as it is and add to other surfactants through simple mixing

[INCI NAME : sodium olivoil glutamate, disodium cocoyl glutamate, glycerin, aqua]