

Liponate™ Jojoba NatFilm

Natural jojoba film for skin and hair protection



Liponate™ Jojoba NatFilm

INCI : Hydrolyzed Jojoba Esters
(and) Jojoba Esters (and)
Water

CAS #: 85186-93-2, 61789-91-1, 7732-
18-5

EC #: 286-079-4, N/A, 231-791-2

Multi-functional

Eco-friendly, natural

**Emolliency,
moisturizing, softening
and conditioning
effects**

Glycerin-booster effect

Liponate™ Jojoba NatFilm brings the skin and hair benefits of jojoba esters in a new format that provides a protective film and is easily dispersible in water-based applications and oil applications.

Jojoba esters are natural, green and sustainable ingredients, derived from jojoba oil and are commonly used in many cosmetic applications for their moisturizing properties and sensorial benefits.

Liponate™ Jojoba NatFilm is a mixture of jojoba esters and hydrolyzed jojoba esters, optimized to keep the skin and hair benefits of jojoba esters while easing the incorporation of the ingredient in water-based formulations, without the use of synthetic surfactants. Liponate™ Jojoba NatFilm is also easily dispersible in oil phases, making it a very versatile ingredient that can be used across formulations of the same product line.

Hydrolyzed jojoba esters transform the sensorial profile of formulations to add softness, spreadability, and a subtle thickness, while keeping the fast absorption of jojoba oil.

Liponate™ Jojoba NatFilm demonstrates film properties that contribute to synergistically boost the moisturizing effect of humectants like glycerin.

Recommended applications



Skin care



Face
cleansers



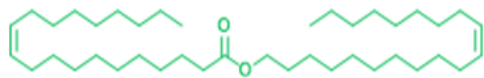
Shower gel &
shampoos



 Vantage

Hydrolysis of jojoba oil

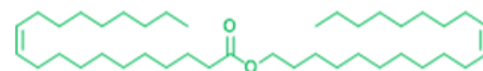
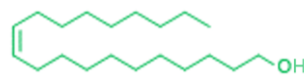
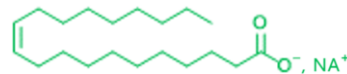
Starting Material



Jojoba oil – liquid; fast absorption

COSMOS
compliant
hydrolysis

Products

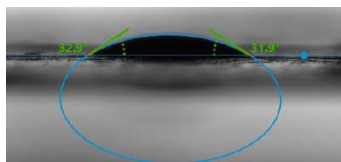


Mixed Jojoba esters, jojoba alcohol and potassium jojobate

The hydrolysis of jojoba oil creates an oil-free ingredient with added film-forming properties.

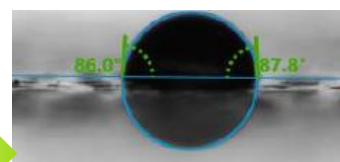
Film-forming properties

Wetting properties of the film created by Liponate™ Jojoba NatFilm hints at the ingredients' ability to create a protective film on the surface of the skin or hair, which contributes to its water-resistant properties.



Non-hydrolyzed jojoba esters

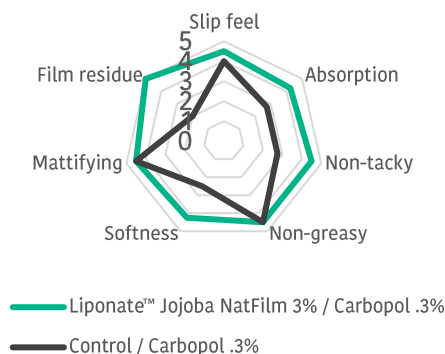
Contact angles measured from a water drop on a film of hydrolyzed jojoba esters show the hydrophobicity of the film vs. non-hydrolyzed jojoba esters



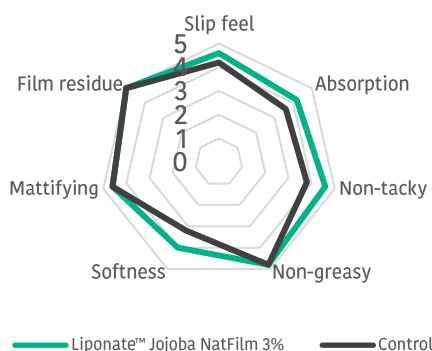
Liponate™ Jojoba NatFilm
(hydrolyzed jojoba esters)

Sensorial improvement in gel-creams & emulsion creams

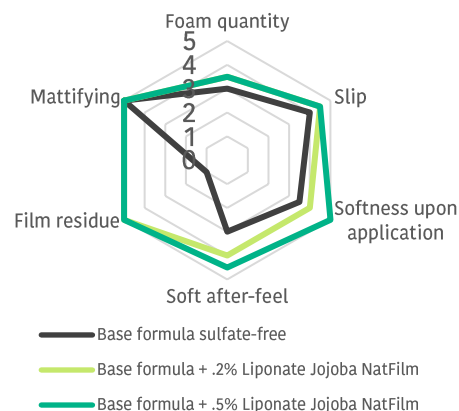
Face sensorial evaluation –
Minimalist Cream Gel with Liponate™
Jojoba NatFilm @ 3%



Face evaluation – Moisturizing
Cream with Liponate™ Jojoba
NatFilm @ 3%



Face sensorial evaluation – Sulfate-
free cleanser with Liponate™ Jojoba
NatFilm @ 0.2 and 0.5%



The addition of Liponate™ Jojoba NatFilm improves slip and softness, while reducing tackiness.

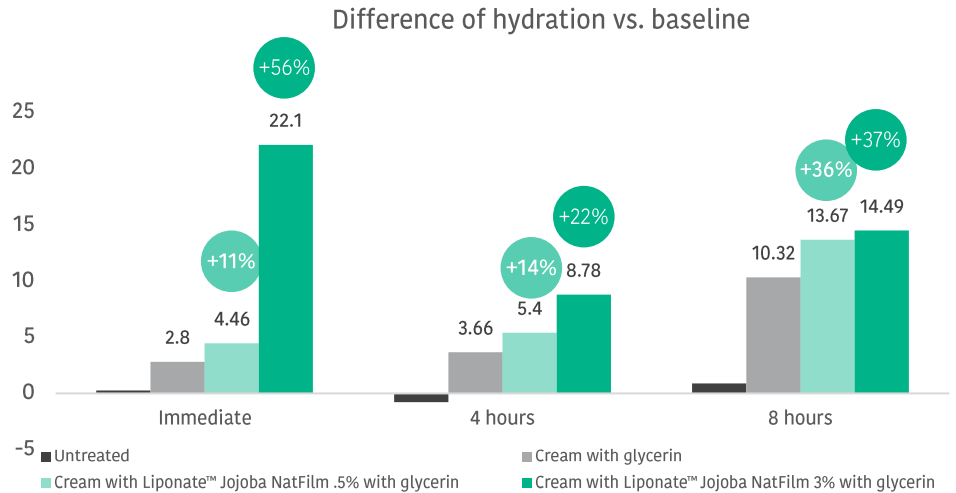
Moisturizing effect

The application of Liponate™ Jojoba NatFilm boosts the moisturizing effect of glycerin in emulsions.

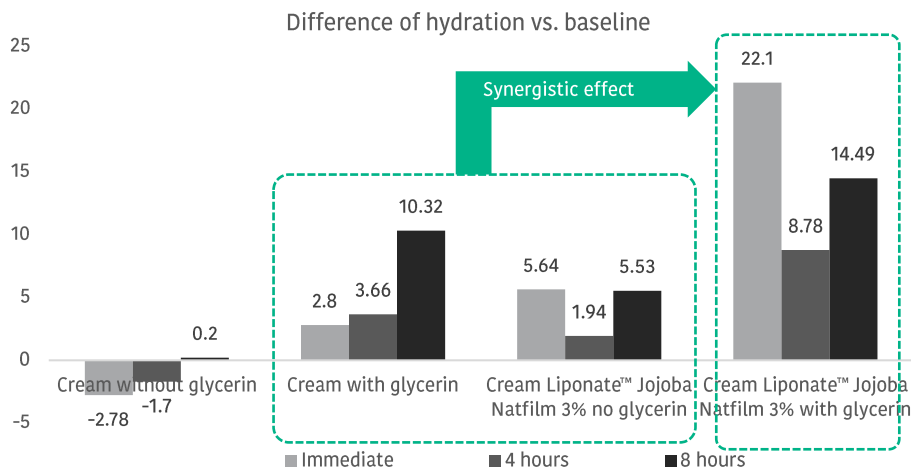
Method

- Instrumental evaluation (Corneometer®CM 825)
- Measurements were taken at baseline (before use) / 20 minutes after drying the formulation / After 4 hours / After 6 hours / After 8 hours.

Immediately after application, skin hydration is significantly increased, and the effect lasts over 8 hours.



Synergistic effect with glycerin



When comparing the individual effect of glycerin and Liponate™ Jojoba NatFilm to the effect of the combination of these two ingredients, we can observe the synergistic effect of the blend.

Liponate™ Jojoba NatFilm film-forming property combined with its strong affinity for glycerin create a synergistic effect that increases moisturization.

Liponate™ Jojoba NatFilm

Natural jojoba film for skin and hair protection

Appearance @ 25°C	Gel-like translucent paste
Melting Point	N/A
GMO status	Non-GMO
Origin	USA 100% Natural Origin Index (ISO16128)
Recommended Use Level	0.5-3%

Formulation guidelines

Liponate™ Jojoba NatFilm recommended use level is between 0.5% and 3%. Mixing is recommended before using the product to guarantee best homogeneity.

Incorporation in water phase:

- Liponate™ Jojoba NatFilm can easily be dispersed in water but requires pre-dispersion in a glycerol/glycol solvents (glycerin, propylene glycol). Surfactant systems can also be used alternatively.
- Liponate™ Jojoba NatFilm is insoluble in ethanol

Incorporation in oil phase:

- Liponate™ Jojoba NatFilm is dispersible in most hydrocarbon or esters emollients

Incorporation in silicone phase:

- Liponate™ Jojoba NatFilm is insoluble in silicones

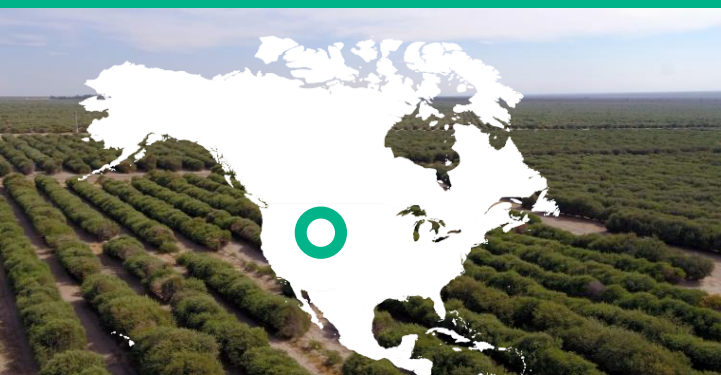
Fully integrated and secured supply chain

In 2012, Vantage™ started its From Farms to Formulations™ initiative to provide total transparency of the supply chain of jojoba oil. Our jojoba is harvested at Vantage™ owned and operated farms and the oil is processed and purified at our facilities. We carry safety stocks of unprocessed seeds and jojoba oil all year long in order to supply our customers without interruption. As the only supplier with geo-diversified farms in Argentina and USA, and a global network of 18 warehouses, Vantage™ is committed to supporting its clients with its global reach and local touch.

Agrinsa farm, Argentina



El Niño farm, USA



Our full control over the entire transformation chain guarantees the best and reproducible quality