



FYTODIS[®]

Water-soluble Oils

FYTODIS[®] Water-soluble Oils combine the benefits of **natural botanical oils with the elegance of clear, water-based formulations**. Through advanced trans-esterification, these non-ionic amphiphilic esters incorporate oil benefits into aqueous systems while maintaining **transparency**. The range is built on **two distinct esterification platforms: Glycereth-based (G8) and Polyglyceryl-based (PG4)** esters, each offering distinct performance and sensory profiles. In both technologies, water solubility and clarity are influenced by the fatty acid chain length of the original vegetable oil. The choice between G8 and PG4 depends on the desired sensory experience, formulation needs, and marketing positioning.

Key Benefits

Crystal Clear Solutions: Maintains transparency in aqueous formulations.

Foam Preservation: Does not interfere with foam formation or stability.

Botanical Properties: Preserves the inherent benefits of natural oils.

Versatile Applications: Suitable for innovative **skin care** (transparent facial serums and essences, light moisturizing sprays and mists), **hair care** (shampoos, conditioning treatments and leave-in products) and **cleansing formulations** (clear micellar waters and body washes).

Two Complementary Technologies

Glycereth-Based Esters (G8)

Performance Profile

Derived from vegetable oils and ethoxylated glycerin offers versatile non-ionic amphiphilic surfactant-emulsifying agents. Higher water solubility due to linear PEG chains. Excellent for ultra-light textures and maximum transparency. Particularly suitable for fast-absorbing formulations.

Ideal Applications

Lightweight serums, refreshing mists, oil-control products, micellar waters, shampoos and leave-on scalp serums.

Polyglyceryl-Based Esters (PG4)

Performance Profile

Polyglycerol-based non-ionic surfactants are very gentle on the skin and maintain the key benefits of the original oils. They cleanse effectively while reducing the harshness of anionic and amphoteric surfactants, improving both oxidative stability and the overall sensory richness of formulations.

Ideal Applications

Nourishing treatments, anti-aging formulations, sensitive skin care, natural cosmetics, rinse-off and leave-on conditioners.



BABASSU WATER SOLUBLE OIL

Babassu oil is rich in lauric and myristic acids, offering lightweight yet deep nourishment for the skin. Its soothing and anti-inflammatory properties help calm irritation and dryness. The oil improves softness and supports the skin barrier, leaving the skin smooth, supple and non greasy. Our water-soluble Babassu esters are engineered for rapid absorption without any greasy residue. Characterized by a high content of short-chain fatty acids, they provide efficient cleansing and excellent make-up removal, leaving the skin soft, smooth and comfortable.

FYTODIS® BABASSU G8

INCI name: Babassu Oil Glycereth-8 Esters

Recommended concentration: up to 10%

Appearance: yellowish clear liquid

Water Solution 20% Appearance: Clear liquid

Solubility: Soluble in water

N.O.I. (ISO 16128): 0



ALMOND WATER SOLUBLE OIL

Sweet almond oil is rich in long chain fatty acids and vitamins A and E, which deeply nourish and hydrate the skin. Its anti-inflammatory properties help soothe irritation, dryness and sensitive skin conditions. The oil enhances skin elasticity, and thanks to its antioxidant content, it also protects the skin and promotes a smoother, healthier appearance. Water soluble esters derived from Almond oil confers a rich texture and provides excellent skin-softening and refatting properties in aqueous formulations.

FYTODIS® ALMOND G8

INCI name: Almond Oil Glycereth-8 Esters

Recommended use concentration: up to 10%

Appearance: Clear liquid

Water Solution 20% Appearance: Clear liquid

Solubility: Soluble in water

N.O.I. (ISO 16128): 0

FYTODIS® ALMOND PG4

INCI name: Sweet Almond Oil Polyglyceryl-4 Esters

Recommended use concentration: up to 10%

Appearance: Yellowish clear to hazy viscous liquid

Water Solution 20% Appearance: Clear Liquid

Solubility: Soluble in water

N.O.I. (ISO 16128): 0.99



OLIVE WATER SOLUBLE OIL

Olive oil is rich in essential fatty acids, squalene and vitamins that nourish and protect the skin. Its emollient and anti-inflammatory properties soothe dryness and irritation. The oil improves elasticity and supports the skin barrier, promoting a smoother, healthier appearance. Water-soluble esters derived from Olive oil fatty acids, provide light emollience, leaving skin soft without a heavy or greasy feel, while retaining the skin-conditioning benefits of olive oil, such as hydration, barrier support, and a velvety touch.

FYTODIS® OLIVE G8

INCI name: Olive Oil Glycereth-8 Esters

Recommended use concentration: up to 10%

Appearance: Clear Liquid

Water Solution 20% Appearance: Clear Liquid

Solubility: Soluble in water

N.O.I. (ISO 16128): 0

FYTODIS® OLIVE PG4

INCI name: Olive Oil Polyglyceryl-4 Esters

Recommended use concentration: up to 10%

Appearance: clear to opaque liquid

Water Solution 20% Appearance: Clear Liquid

Solubility: Soluble in water

N.O.I. (ISO 16128): 0.99