



IOI OLEOCHEMICAL



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PERSONAL CARE

MIGLYOL® 8810

WATER-LIGHT EMOLLIENT
FOR BETTER FORMULAS

Fast-spreading, plant-based highly polar emollient with non-oily light skin-feel allowing better performances for feel-good boosting formulas

MIGLYOL® 8810 is a fast-spreading plant based vegan emollient. Due to its high polarity, it easily solubilizes large amounts of UV-filters and contributes to better SPF retention. Acting as dispersing and wetting helper for pigments in color care, it supports the formulation of vibrant finished products. With its short playtime, MIGLYOL® 8810 contributes to a water-light, non-oily, non-sticky skin feel.

ABOUT TECHNOLOGIES - Leaflet V1.2



ABOUT TECHNOLOGIES

This vegan glycol ester is a liquid, light yellow emollient suitable for easy hot or cold productions. MIGLYOL® 8810 supports a wide pH range (4.5 – 7.5) and can be used from 1% to 30% in the oil phase. It has both a low molecular weight and a low viscosity. Combined with its fast spreading properties, high polarity, skin moisturizing and protecting characteristics, it is a go-to ingredient, especially for sun and color care.

MIGLYOL® 8810 dissolves high amounts of lipophilic chemical crystalline filters and keeps them continuously dissolved. Combined with a light, non-sticky & non-oily skin feel as well as contribution to a better SPF retention, this ingredient enables high SPF formulas and better cost-in-use.

It also contributes to pigment wetting and dispersion, enabling the incorporation of large amounts of powders, while also leading to a potential better yield of color.

SENSORIAL TECHNOLOGIES

The fast spreading MIGLYOL® 8810 has a low molecular weight, which is responsible for its water-light skin feel. This exceptional lightness is combined with a smooth, non-oily and lubricating skin feel with a short playtime during application. Perfect for formulas that absorb quickly! After absorption, MIGLYOL® 8810 shows dry, velvety, powdery, silky and non-sticky/non-waxy sensorial aspects.

EMOTIONAL TECHNOLOGIES

- Natural Origin Index 0.79 (according to ISO 16128)
- Vegan compatible
- Made from 79% renewable sourcing (RSPO MB Palm)

Natural
Origin
Index
(ISO 16128)
0.79



SPF Retention Rate

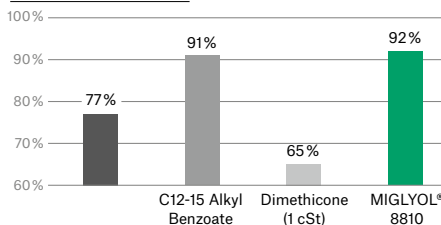


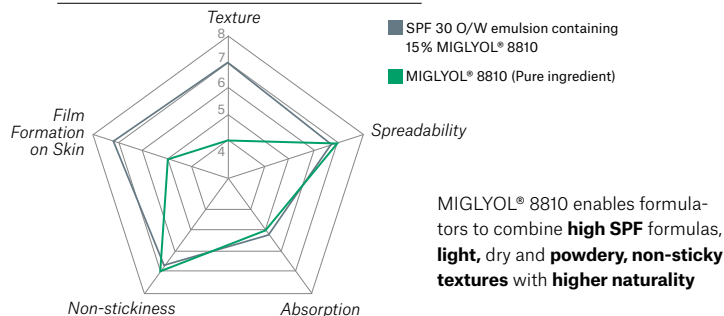
Photo stability is one of the most important factors for product efficiency. UV filters can photo degrade when exposed to sun. A good combination of UV filters and appropriate emollients can help to obtain a high SPF retention.

MIGLYOL® 8810 helps to keep **UV-filters continuously dissolved**

MIGLYOL® 8810 contributes to **better SPF retention** paired with **high naturality** (NOI 0.79) for **sustainable sun care formulas**

O/W emulsions contained 15% of tested emollient and 3% BEMT, 3.5% DHBB, 6.0% EPMC and 3.0% EHT; calculated SPF 30; Measurements on PMMA "Sunplate" were done pre- and post-irradiation
Retention = % of UV protection post- vs pre-irradiation

Sensorial Aspects of MIGLYOL® 8810



Light & non-sticky touch, better performance

TECHNICAL POSSIBILITIES

- Light, powdery, non-sticky sensory, short playtime
- Enables high amount of UV-filters or pigments
- Contributes to better SPF retention
- Safe profile ingredient, ideal for all skin types

FLEXIBLE PROCESS

- Compatible with Hot & Cold
- Can be directly added to the filter or pigment, oil or surfactant phase
- For all O/W and W/O, but also surfactant and anhydrous formulas

APPLICATIONS

- Sun care, high SPF possible, vibrant color care products, feel-good cosmetic formulas



2 - 30%

2 - 15%

1 - 10%

1 - 5%

1 - 10%

MIGLYOL® 8810

WATER-LIGHT EMOLLIENT FOR BETTER FORMULAS

INCI

Butylene Glycol Dicaprylate/Dicaprate

APPEARANCE, COLOR & ODOR

Light yellow (almost colorless, clear) liquid, characteristic odor

DESCRIPTION

Glycol ester based on 1,3-butanediol and caprylic/capric fatty acids

RECOMMENDED CONCENTRATION

1 – 30% and above, according to application

BENEFITS FOR...

...FORMULATOR

- Non-oily, non-sticky
- Efficient UV-filters & pigments solubilizer
- More homogenous pigments repartition
- Contributes to better SPF retention

...PRODUCTION

- Safe-to-use ingredient
- Cost-in-use efficient
- Liquid, easy-to-manipulate, even at low temperatures

...BRAND

- Performing formulas
- Safe & established INCI
- Provides customer-researched skin feel

...CONSUMER

- Natural Origin Index 0.79 (ISO 16128)
- Vegan compatible
- Light, non-sticky formulas, moisturizing
- Feel good safe sun care