



IOI OLEOCHEMICAL



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PERSONAL CARE

# MIGLYOL® 8810

WATER-LIGHT EMOLLIENT  
FOR BETTER FORMULAS

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

MIGLYOL® 8810 is a fast-spreading natural based vegan emollient. Due to its high polarity, it easily solubilizes large amount of UV-filters and contributes to better SPF retention. Acting as dispersing and wetting helper for pigments in color care, it supports 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 V1.0



## ABOUT TECHNOLOGIES

This vegan glycol ester is a liquid, light yellow emollient suitable for easy hot or cold productions. The non-oxidizable MIGLYOL® 8810 supports a wide pH range (4.5 – 7.5) and can be used from 1% to 30% in oil phase. It has both a low molecular weight and a low viscosity. Combined with its fast spreading properties and high polarity, 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 or 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.

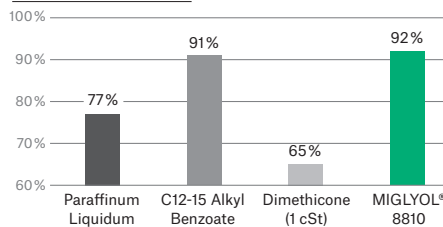
## SENSORIAL TECHNOLOGIES

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

MIGLYOL® 8810 is the choice for feel-good formulations! Based on 79% natural and renewable sources, this ingredient is the perfect fit for more sustainable formulas. This safe-to-use emollient does not irritate the skin and can be used for all kind of concepts. The RSPO MB certified ingredient is not only better for you, but also better for our environment (it's vegan!) and oceans as it readily biodegradable and non-toxic to aquatic organisms.

### SPF Retention Rate



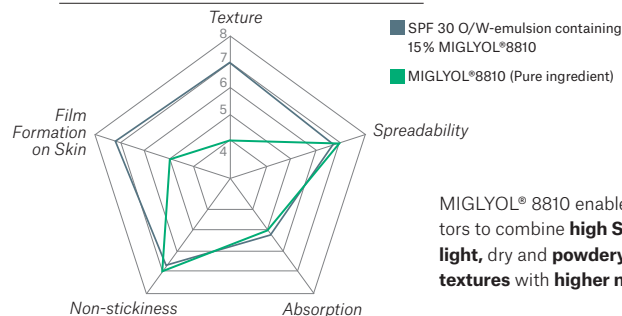
**Photo stability** is one of the most important factors for product efficiency. UV filters can photo degrade when exposed to sun. A good combination of UV filters and appropriate emollients can help to obtain a high SPF retention.

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% DHHB, 6.0% EHC 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



# 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 with high sustainability
- Safe & established INCI
- Provides customer-researched skin feel

#### ...CONSUMER

- Natural based, vegan
- Sustainable & biodegradable
- Light, non-sticky formulas
- Feel good safe sun care

