



IOI OLEOCHEMICAL

PERSONAL CARE

TECHNICAL DATA SHEET

MIGLYOL[®] Coco 810

INCI: Coco-Caprylate/Caprate



2-0002-04-100-02



DRY LIGHTNESS, PREMIUM SOFTNESS

Light & fast spreading emollient with dry silky touch, low polarity, moisturizing effect, 100% natural and vegan



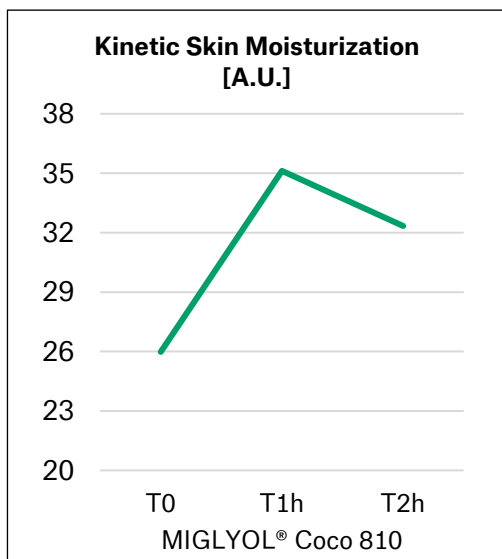
DESCRIPTION

MIGLYOL® Coco 810 offers **dry lightness & premium softness!** This light & **fast spreading** emollient has a dry silky touch, provides moisture and a low polarity.

It is a straight, unbranched wax ester made of C12 - C18 vegetable fatty alcohol and a defined blend of fractionated fatty C8/C10 acids of vegetable origin. MIGLYOL® Coco 810 is a clear, light yellow to colorless liquid oil, having a neutral characteristic odor. It is very **stable** against **oxidation**.

MIGLYOL® Coco 810 is based on **100% natural, vegan, and renewable sources** and is produced exclusively in Germany. This emollient is friendly – to environment and skin! It is RSPO MB certified, non-toxic to aquatic organisms, **readily biodegradable** and non-irritating to skin.

APPLICATION



Find **your perfect balance** with MIGLYOL® Coco 810! Light, dry, silky feel AND premium soft & moisturized skin.

Corneometry tests¹ with 20% MIGLYOL® Coco 810 used in a simple emulsion show a **strong moisturizing effect** with **quick hydration** and **fast penetration** into the skin (due to the light touch & fast spreading properties).

An external dermatologist has confirmed the improvement of **skin softness**, confirmed again by a panel test that has found the emulsion containing MIGLYOL® Coco 810 to be nourishing (90%), hydrating (89%) and skin softening (90%).

Due to its sensorial profile (light & non-oily during application with short playtime & dry, light, silky, soft, non-sticky, non-waxy after-feel), it can be considered a **true natural alternative** for light **mineral oils and silicones** (e.g., D5).

Coco-Caprylate/Caprata is suitable for **all kinds of technologies** including O/W & W/O emulsions, anhydrous concepts (e.g., solids or color care) or surfactant-based formulas like shampoos. Together with SOFTISAN® conditionHAIR (PCA Glyceryl Oleate) it leads to improved wet combability in shampoo and conditioner concepts.

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| <input checked="" type="checkbox"/> Skin Care | <input checked="" type="checkbox"/> Body Care | <input checked="" type="checkbox"/> Sun Care | <input checked="" type="checkbox"/> Color Cosmetics |
| <input checked="" type="checkbox"/> Baby Care | <input checked="" type="checkbox"/> Hair Care | <input checked="" type="checkbox"/> Bath Care | <input checked="" type="checkbox"/> Wet Wipes |
| <input checked="" type="checkbox"/> Self-Tanning | <input checked="" type="checkbox"/> Beard Care | <input checked="" type="checkbox"/> Deodorants | <input checked="" type="checkbox"/> Intimate Hygiene |

MIGLYOL® Coco 810 is miscible with all kinds of oils and virtually insoluble in water.

¹ Corneometry test was carried out at external certified third-party laboratory; n = 10; simple emulsion with 20% of test emollient; no glycerine or other humectants were used. Please contact personalcare@ioioleo.de for more information on corneometry, dermatologist and panel test.



FORMULATION HINTS

- Recommended concentration of **MIGLYOL® Coco 810**: 1 – 30%
 - Skin & Baby Care: 1 – 30% for **moisturized** and **soft skin**
 - Can improve gliding in shaving concepts
 - Hair Care: 1 – 10% (depending on technology)
 - Combine MIGLYOL® Coco 810 with 0.5 – 2.0% SOFTISAN® conditionHAIR to further improve wet combability
 - Color Care: 1 – 30% MIGLYOL® Coco 810
 - Fast spreading properties help to wet pigments; can counter “drying” effects in long-lasting or water-proof formulas
 - Anhydrous Concepts: 5 – >30% MIGLYOL® Coco 810
 - Rinse-off: 1 – 5% (depending on technology)
- Add MIGLYOL® Coco 810 to the oil phase; can also be added to the surfactant phase
- Recommended pH level: pH 4.5 – 7.5
- **Spreading: Fast**
- **Polarity: Low**
- MIGLYOL® Coco 810 is often used as **natural alternative to light silicones** (D5)
- Compatible with listed and non-listed preservative systems



FORMULATION GUIDE

DEAREST DAY FACE OIL, NO. 858

Dearest day, be good to me!

Every day offers new possibilities and the chance to become wonderful. In addition to external circumstances, we ourselves can also contribute a lot to experiencing the day as beautiful. With a mindful attitude and concentration on the good things in life. And we should start with that right in the morning! Self-care can increase the well-being in our own body and the Dearest Day Face Oil is the perfect start to the day.

The moisturizing emollient MIGLYOL® Coco 810 and the velvety WITARIX® MCT 70/30, make the skin feel light & silky and ensure that the oil is quickly absorbed by the skin. The gentle rosehip oil and wild rose fragrance caress the senses, while the eucalyptus extract interacts with the formulation to provide a rosy and fresh complexion.

This water-free vegan formulation can also be used as an alternative to a daily moisturizer. Slightly moisten your skin and massage the oil with circular movements.

Natural Origin Content: >99%

	Trade Name	INCI	%
PHASE A	WITARIX® MCT 70/30	Caprylic/Capric Triglyceride	40.0
	MIGLYOL® Coco 810	Coco-Caprylate/Caprate	30.7
	Veglight® 1214 LC	Coconut Alkanes (and) Coco-Caprylate/Caprate	26.0
	Eucalyptus Extract	Caprylic/Capric Triglyceride (and) Eucalyptus Globulus Leaf Extract	1.0
	Wilde Heckenrose	Parfum	0.6
	Rosehip Oil	Rosa Canina Fruit Oil	1.5
	Cosphaderm® T-70 Non	Tocopherol (and) Helianthus Annuus	0.2
	GMO Eco	Seed Oil	

PREPARATION:

Cold process formula

- Mix all ingredients in given order until clear.

SUPPLIERS:

IOI Oleo GmbH: MIGLYOL®, WITARIX®

Sytheon: Veglight®
 Botanica: Extract
 Parfum: Bell
 Gustav Heess: Rosehip Oil
 Cosphated: Cosphaderm®



OH LÀ LÀ CHEEKY CREAM BLUSH NO. 838

Oh là là? Oh là là! The Cheeky Cream Blush is everything you need for rosy cheeks. The cream-gel melts on your skin and turns into a mattifying cream that stays on your skin the whole day. MIGLYOL® Gel B does not only act as texturizer but also ensures the non-oily and velvety touch. The combination of the silky MIGLYOL® Coco 810, the rich MIGLYOL® 829 ECO that helps with dispersing the pigments and the sensory transforming WITARIX® MCT C8 ensures a balanced spreading cascade. The pasty emollient SOFTISAN® 378 gives not only a smooth skin feel, but also the desired texture. MIGLYOL® DO reduces the tackiness. Color and care is possible thanks to SOFTISAN® conditionHAIR that moisturizes your dry cheek area and improves the skin barrier.

	Trade Name	INCI	%
PHASE A	MIGLYOL® Coco 810	Coco-Caprylate/Caprata	6.0
	MIGLYOL® 829 ECO	Caprylic/Capric/Succinic Triglyceride	2.0
	WITARIX® MCT C8	Tricaprylin	2.0
	SOFTISAN® conditionHAIR	PCA Glyceryl Oleate	1.0
	SOFTISAN® 378	Caprylic/Capric/Myristic/Stearic Triglyceride	2.0
	MIGLYOL® DO	Decyl Oleate	2.0
	MIGLYOL® Gel B	Caprylic/Capric Triglyceride (and) Stearalkonium Hectorite (and) Propylene Carbonate	30.0
		Castor Oil	Ricinus Communis (Castor) Seed Oil
	Tocopherol	Tocopherol	1.0
PHASE B	Sapogel Q	Glycerin (and) Aqua (and) Quillaja Saponaria Wood Extract (and) Saponaria Officinalis (Soapwort) Extract	20.0
PHASE C	Titanium Dioxide MT-100TV	Titanium Dioxide	5.0
	SanTalc 511	Talc	15.0
	Rice PO4 Natural	Distarch Phosphate	9.9
PHASE D	Majestic Rhubarb MCM-RIO4	Mica (and) CI 77492	0.9
	SWD-4511 D&C Red 7 Ca Lake	Synthetic Wax (and) CI 15850	0.8
	Nivesse DF Extra 0797442	Parfum (EU)/ Fragrance (US)	0.4

PREPARATION:

1. Mix all ingredients of phase A and heat to 50°C. Homogenize for a short time.
2. Put phase B in a larger beaker. Add phase A slowly under high stirring until a gel is formed.
3. Mix phase C and add little by little to the gel mixture of A/B.
4. Add Phase D one by one and stir rapidly until a homogenous gel is obtained.

SUPPLIERS:

IOI Oleo: MIGLYOL®, SOFTISAN®, WITARIX®
 Alchemy Ingredients: Sapogel
 Tayca Corporation: Titanium Dioxide
 Sandream Impact: SanTalc, Majestic Rhubarb
 Agrana: Rice PO4
 SunChemical: D&C Red
 Bell: Parfum



HANDLING AND SHELF LIFE

The shelf life for MIGLYOL® Coco 810 is at least twenty-four months if the product is stored below 25°C in a dry place in original, tightly closed containers, protected from light and moisture.

PACKAGING UNITS

Multitainer with 25 kg, 600 kg on CP3 pallet

Drum with 170 kg, 680 kg on CP3 pallet

IBC with 800 kg

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Raw material approved by ECOCERT GREENLIFE, compliant with the COSMOS standard

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