



IOI OLEOCHEMICAL

PERSONAL CARE

TECHNICAL DATA SHEET

MIGLYOL® PPG 810

INCI: Propylene Glycol Dicaprylate/Dicaprate



- LIGHT EMOLLIENT
- HIGH POLARITY
- EXCELLENT SOLVENT

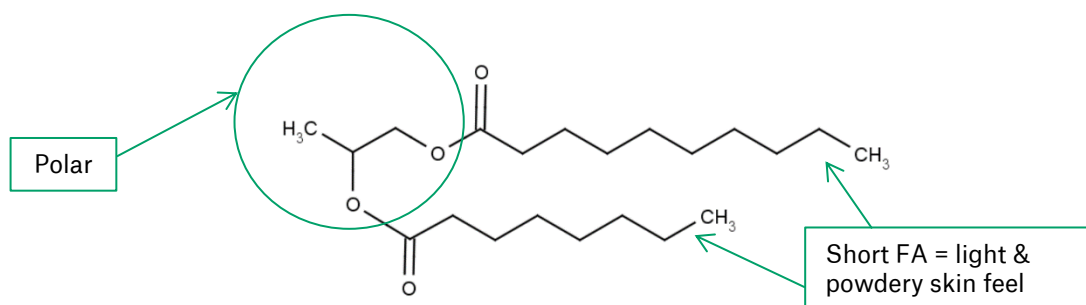
DESCRIPTION

MIGLYOL® PPG 810 is a high spreading emollient with high polarity and low viscous appearance. It is ideal for formulations with a light and caring skin feel. The vegan, natural based (NOI 0.79) and RSPO MB certified quality is produced exclusively in Germany.

It is an ester of 1,2 propylene glycol and a defined blend of fractionated fatty acids of vegetable origin. MIGLYOL® PPG 810 is a clear, low viscosity oil with a neutral odor and taste. It is a fully saturated, non-oxidizing oil, which is compatible with most cosmetic raw materials and active ingredients

APPLICATION

Due to its high polarity, **MIGLYOL® PPG 810** is an excellent solvent for UV-filters and acts as a dispersant for pigments. This makes it eligible as an emollient for many formulations such as sun care and BB creams. MIGLYOL® PPG 810 creates a light, powdery and dry, non-oily and velvety skin feel and is a perfect alternative to low molecular weight silicones.



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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® PPG 810 is miscible with all kinds of oils, soluble in ethanol and virtually insoluble in water.

FORMULATION HINTS

- Recommended concentration of **MIGLYOL® PPG 810**: 1 – 30 %
- Applicable for cold or hot processes
- Add MIGLYOL® PPG 810 to the oil phase
- Recommended pH value: pH 4.5 – 7.5

FORMULATION GUIDE

JELLY SUN PROTECTION – SPF 30 NO. 806

Summer, sun, sunburn? It does not have to be this way. This unique product lets your skin glisten, shine seductively in the water, and protects you reliably against sunburn and sun-induced skin aging. SOFTISAN® 649 provides an increased water resistance while the combination of polar oils provides an ideal distribution of the numerous UV-filters and is responsible for the pleasant skin feeling. All wishes fulfilled? Happy sun bathing!

	Trade Name	INCI	%
PHASE A	MIGLYOL® T-C7	Triheptanoin	18.0
	WITARIX® MCT C8	Tricaprylin	16.0
	MIGLYOL® 8810	Butylene Glycol Dicaprylate/Dicaprate	10.0
	MIGLYOL® PPG 810	Propylene Glycol Dicaprylate/Dicaprate	5.5
	SOFTISAN® 649	Bis-Diglyceryl Polyacyladipate-2	1.0
	Isofol® 20	Octyldodecanol	25.0
PHASE B	Ethocel™ Std 100 Premium	Ethylcellulose	3.0
PHASE C	Eusolex® 2292	Ethylhexyl Methoxycinnamate (and) BHT	6.0
	Eusolex® 9020	Butyl Methoxydibenzoylmethane	4.5
	Eusolex® OCR	Octocrylene	3.0
	Tinosorb® S	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazone	8.0

PREPARATION

1. Mix phase A at room temperature, add phase B under stirring (1.000 - 1.500 rpm).
2. Heat phase A/B to 85°C under stirring and keep the temperature for 30 - 40 minutes, until a homogeneous, mostly transparent and lump free fluid is obtained.
3. Cool down to 70 - 75°C under stirring, heat phase C to 75°C and add to phase A/B.
4. Cool down phases A/B/C to 30°C.

SUPPLIERS:

IOI Oleo GmbH: MIGLYOL®, SOFTISAN®, WITARIX®
 Sasol: Isofol®
 Dow: Ethocel™
 Merck: Eusolex
 BASF: Tinosorb®



MOISTUMIZER NO. 776

Hydration is the first step in order to gain a beautiful, firm skin and a radiant complexion. Our skin is like blotting paper and needs a good moisturizing product every day to avoid dryness and skin damage.

Our gel-cream formulation provides ideal moisturizing care for women with all skin types – it offers both, an exciting light, non-oily and velvet feel due to MIGLYOL® PPG 810 and a stimulating freshness, supported by intensive hydration and protection created by SOFTISAN® conditionHAIR and SOFTIGEN® 767.

	Trade Name	INCI	%
PHASE A	SOFTIGEN® 767	PEG-6 Caprylic/Capric Glycerides	2.0
	MIGLYOL® PPG 810	Propylene Glycol Dicaprylate/Dicaprate	5.0
	SOFTISAN® conditionHAIR	PCA Glyceryl Oleate	0.5
PHASE B	Water demin.	Aqua	38.0
	Glycerin	Glycerin	5.5
	Aristoflex® AVC	Ammonium Acryloyldimethyltaurate/VP Copolymer	0.3
PHASE C	Carbopol® Ultrez-20	Acrylates/C10-30 Alkyl Acrylate Cross polymer	0.4
	Cosphaderm® Dicapo	Caprylyl Glycol (and) Dipropylene Glycol (and) Glyceryl Caprylate	0.7
	Phenoxyethanol	Phenoxyethanol	0.5
	Water demin.	Aqua	47.1

PREPARATION:

Prepare this formulation at room temperature.

1. Phase B: disperse Aristoflex® in glycerin, add water under stirring and let stir for 25 min.
2. Phase C: disperse Carbopol® and add phase C to phase B, homogenize.
3. Add phase A to phases B/C.
4. If necessary, adjust the pH value to 5.5 – 6.5

SUPPLIERS:

IOI Oleo GmbH: MIGLYOL®, SOFTIGEN®, SOFTISAN®

Clariant: Aristoflex®

Lubrizol: Carbopol®

Cosphatec: Cosphaderm®



HANDLING AND SHELF LIFE

The shelf life for MIGLYOL® PPG 810 is at least thirty-six 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 190 kg, 760 kg on CP3 pallet

IBC with 930 kg

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