



IOI OLEOCHEMICAL

PERSONAL CARE

MIGLYOL[®] Emollients



Sensory additives
UV-filter solvents



MIGLYOL® Emollients

Sensory additives
UV-filter solvents

MIGLYOL® Emollients

Emollients are widely used in the cosmetics industry, mainly as sensory additives and UV-filter solvents. The MIGLYOL® emollients offer a wide range of different sensory profiles from silicone-like to caring, with the capacity of solving commonly used UV-filters.

DATASHEET

FORMULATOR BENEFITS:

- Recommended dosage: 2 - 30%
- ECOCERT/COSMOS-conform
- Natural according to ISO 16128
- Solvents for commonly used UV-filter

CONSUMER BENEFITS:

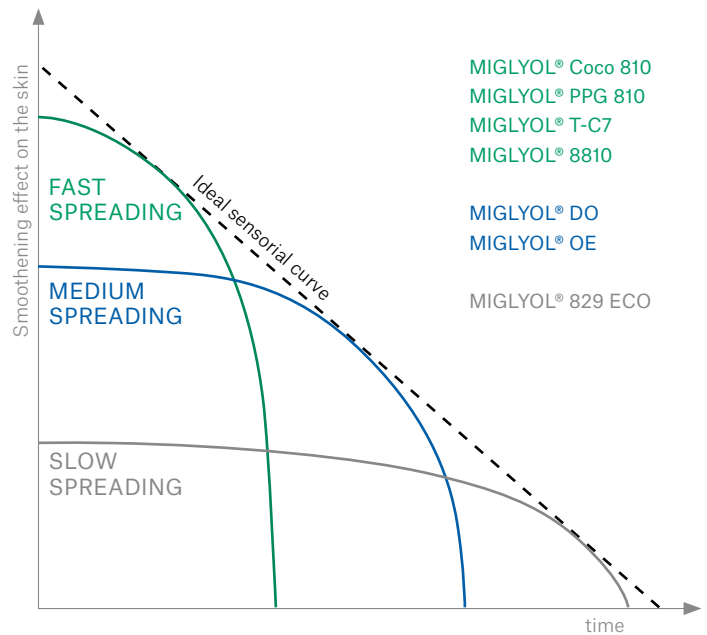
- Sensory profile according to consumer needs
- Silicone-like skin feel possible
- Light skin feel possible
- Caring and rich skin feel possible

TYPICAL PROPERTIES:

TRADE NAME	INCI	Spreading behaviour	Natural origin as per ISO 16128	ECOCERT/COSMOS status
MIGLYOL® Coco 810	Coco-Caprylate/ Caprate	Fast	100%	Registered
MIGLYOL® PPG 810	Propylene Glycol Dicaprylate/ Dicaprante	Fast	79%	Not registered
MIGLYOL® T-C7	Triheptanoin	Fast	100%	Registered
MIGLYOL® 8810	Butylene Glycol Dicaprylate/ Dicaprante	Fast	76%	Not registered
MIGLYOL® DO	Decyl Oleate	Medium	100%	Registered
MIGLYOL® OE	Oleyl Erucate	Medium	100%	Registered
MIGLYOL® 829 ECO	Caprylic/Capric/ Succinic Triglyceride	Medium to slow	100%	Not registered

IDEAL SENSORIAL CURVE:

The MIGLYOL® emollient range offers formulators the possibility of creating the ideal sensory experience thanks to the spectrum of spreading behavior provided.



ABILITY TO SOLVE UV FILTERS:

SOLUBILITY OF UV-FILTER IN:	BMDBM (Avobenzone) [%]	Diethylamino Hydroxybenzoyl Hexyl Benzoate [%]	Ethylhexyl Triazone [%]	Benzophenone-3 (Oxybenzone) [%]	Bis-Ethylhexyloxy- phenol Methoxy- phenyl Triazine [%]
MIGLYOL® 8810	12.5	16.3	10.5	17.0	6.0
MIGLYOL® PPG 810	12.5	17.0	10.5	15.5	7.0
MIGLYOL® Coco 810	9.0	7.0	4.0	9.0	7.0
MIGLYOL® 829 ECO	10.0	11.5	5.0	14.0	4.0
MIGLYOL® DO	7.0	5.5	2.3	7.5	5.0
MIGLYOL® OE	6.5	4.5	1.0	6.0	3.5
MIGLYOL® TC-7	13.5	17.8	9.8	17.5	8.0

The MIGLYOL® emollient range can be used to solve commonly used UV filters

MAIN SENSORIAL ATTRIBUTES:

	MIGLYOL® 8810	MIGLYOL® PPG 810	MIGLYOL® Coco 810	MIGLYOL® 829 ECO	MIGLYOL® DO	MIGLYOL® OE	MIGLYOL® T-C7
Light	X	X	X				X
Silky	X	X	X				
Dry	X		X				
Powdery	X		X				
Smooth	X	X			X		X
Non-oily	X			X			X
Oily		X			X	X	
Rich					X	X	
Long playtime				X	X	X	
Waxy				X		X	

The MIGLYOL® range offers a variety of sensory profiles.

DID YOU KNOW?

As the specific density of MIGLYOL® 829 ECO is the same as water, it can be used to prepare stable two-phase formulations with free-floating oil droplets.

FORMULATIONS:

Smooth Operator Beard Oil (No.: 802)

PHASE	TRADE NAME	INCI	%
A	IMWITOR® 375	Glyceryl Citrate/ Lactate/Linoleate/ Oleate	2.0
A	SOFTISAN® conditionHAIR	PCA Glyceryl Oleate	2.0
A	MIGLYOL® 829 ECO	Caprylic/Capric/ Succinic Triglyceride	20.5
A	MIGLYOL® Coco 810	Coco-Caprylate/ Caprate	16.0
A	MIGLYOL® OE	Oleyl Erucate	18.0
A	Sweet almond oil	Prunus Amygdalus Dulcis (Almond) Oil	20.0
A	Arganöl desodorisiert, bio	Argania Spinosa (Argan) Kernel Oil	15.0
A	Hemp oil	Cannabis Sativa (Hemp) Seed Oil	5.0
A	Tocopherol	Tocopherol	0.5
A	Cedarwood water	Parfum (EU) / Fragrance (US)	1.0

Preparation:

1. Mix phase A in given order until clear.

Suppliers:IOI Oleo GmbH: IMWITOR®, MIGLYOL®,
SOFTISAN®

drom: Fragrance

AOT: Arganöl desodorisiert, bio

Veganista Feel Good Body Lotion (No.: 827)

PHASE	TRADE NAME	INCI	%
A	IMWITOR® 375	Glyceryl Citrate/Lactate/ Linoleate/Oleate	4.0
A	MIGLYOL® Coco 810	Coco-Caprylate/Caprate	6.0
A	MIGLYOL® T-C7	Triheptanoin	6.0
A	MIGLYOL® DO	Decyl Oleate	5.0
A	MIGLYOL® OE	Oleyl Erucate	5.0
A	Sucrathix® VX	Microcrystalline Cellulose (and) Cellulose Gum (and) Xanthan Gum	1.0
B	Water demin.	Aqua	68.6
B	Glycerine	Glycerin	3.0
B	Cosphaderm® POP	Propanediol (and) Caprylyl Glycol (and) Phenylpropanol	1.0
C	Nivesse DF Extra 0797442	Parfum (EU)/ Fragrance (US)	0.4

Preparation:

1. Mix phase A until a transparent solution is obtained.
2. Add phase B to phase A and homogenise (3 min @ 12.000 rpm).
3. Add phase C and mix. If necessary, homogenise again.
4. Adjust pH to pH 5.5 - 6.5 if necessary.

Suppliers:

Oleo GmbH: IMWITOR®, MIGLYOL®, SOFTISAN®

Alchemy Ingredients: Sucrathix®

Cosphatec: Cosphaderm®

Bell: Parfum

IOI Oleo GmbHHamburg, Germany | +49 40 28 00 31-0
personalcare@ioioleo.de | www.ioioleo.de

In particular, IOI Oleo GmbH makes no representations or warranties, neither express nor implied, of merchantability, fitness for a particular purpose that the products to which the information refers may be used without infringing the intellectual property rights of others, or of any other nature hereunder with respect to the information or the products to which the information refers. In no case shall the information be considered a part of our Terms and Conditions of Sale.