



IOI OLEOCHEMICAL

PERSONAL CARE

TECHNICAL DATA SHEET

MIGLYOL® OE

INCI: Oleyl Erucate



- **VERSATILE EMOLLIENT**
- **MEDIUM SPREADING**
- **TACKINESS REDUCING AGENT**



DESCRIPTION

MIGLYOL® OE is a medium spreading emollient with a rich skin feel and long playtime. It reduces the tackiness of vegetable oils and other triglycerides. Due to its structure and properties, it is a cost-effective alternative to jojoba oil. It is vegan, halal, kosher, 100% natural, available in RSPO MB certified quality and produced exclusively in Germany.

It is a wax ester of vegetable fatty alcohol and fatty acids. MIGLYOL® OE is a clear, slightly yellowish, low viscosity emollient with a faint characteristic odor. The product may become cloudy when stored; this does not affect the quality of the product. This phenomenon can be rectified by heating that result in a clear product.

MIGLYOL® OE is protected against oxidation during storage through the addition of mixed vegetable tocopherols and a citric acid ester (glyceryl citrate/lactate/linoleate/oleate) as synergists. However, the peroxide value may increase depending on the storage condition. An increase in the peroxide value not exceeding 12 meq O₂/kg does not diminish the product quality.

APPLICATION

MIGLYOL® OE leaves a non-oily, smooth and velvety skin feeling. It is especially suitable for providing care and shine in skin, hair or color cosmetics. Compared to jojoba oil, MIGLYOL® OE has a lighter color and is therefore the right choice for color-sensitive products, resulting in formulations with a brighter white. The quality of MIGLYOL® OE is not affected by any variations in season or growing regions.

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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® OE is miscible with all kinds of oils and insoluble in water.

FORMULATION HINTS

- Recommended concentration of **MIGLYOL® OE**: 1 – 15 %
 - As tackiness reducing agent: 5%
- Add MIGLYOL® OE to the oil phase
- Recommended pH value: pH 4.5 – 7.0
- The use of antioxidants, e.g. tocopherol, may be advisable due to the presence of unsaturated ingredients
- The product may become cloudy when stored; this does not affect the quality of the product.
This phenomenon can be rectified by heating that result in a clear product.



FORMULATION GUIDE

SMOOTH OPERATOR BEARD OIL NO. 802

Beards are trendy, but scratchy beards will never be popular. It is not hard to turn a scratchy beard into a soft and sleek one. IOI's Smooth Operator Beard Oil is all that you need. The formula with our skin and hair conditioner SOFTISAN® conditionHAIR tames wild beard hair and makes it supple and soft. Enriched with MIGLYOL® OE and vegetable oils, the skin is nourished; the beard is fluffy without any oily residue. Tested and found to be good by our bearded colleagues.

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

PREPARATION:

Prepare this formulation at room temperature.

1. Mix phase A in given order until clear.

SUPPLIERS:

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

AOT: Arganöl

drom: Cedarwood



VEGANISTA FACE MOISTURIZER NO. 826

IMWITOR® 375 is a natural and versatile liquid emulsifier that allows the formulator to create light textures without any compromises in terms of stability. IMWITOR® 900 K adds body and richness to the formulation. MIGLYOL® Coco 810 is a fast spreading emollient that provides a silky, powdery & dry skin feel. MIGLYOL® T-C7 leads to a light, smooth and non-oily skin feel. MIGLYOL® DO leads to a rich and smooth skin feel with long playtime while reducing the tackiness of the face moisturizer.

	Trade Name	INCI	%
PHASE A	IMWITOR® 375	Glyceryl Citrate/Lactate/Linoleate/ Oleate	2.0
	IMWITOR® 900 K	Glyceryl Stearate	1.5
	MIGLYOL® Coco 810	Coco-Caprylate/Caprates	4.0
	MIGLYOL® T-C7	Triheptanoin	6.0
	MIGLYOL® DO	Decyl Oleate	5.0
	Cosphaderm® KG	Amorphophallus Konjac Root Extract	0.3
PHASE B	Glycerin	Glycerin	3.0
	Water demin.	Aqua	75.2
	euxyl® PE 9010	Phenoxyethanol (and) Ethylhexylglycerin	1.0
PHASE C	Timiron® Splendid Violet	Titanium Dioxide (and) Mica (and) Silica	2.0

PREPARATION:

1. Heat phase A and B to approx. 75°C.
2. Add phase B to phase A and homogenize (3 min @ 12.000 rpm).
3. Cool phases A/B to 30°C under continuous stirring. Add phase C.
4. Adjust the pH to pH 5.5 - 6.0 if necessary.

SUPPLIERS:

IOI Oleo: IMWITOR®, MIGLYOL®
 Cosphatec: Cosphaderm®
 Schülke & Mayr : euxyl®
 Merck: Timiron®



HANDLING AND SHELF LIFE

The shelf life for MIGLYOL® OE in multitainers is at least twelve months and in drums 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

Drum with 180 kg, 720 kg on CP3 pallet

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

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