



Technical Data Sheet

MIGLYOL® OE

INCI: Oleyl Erucate

- ❖ VERSATILE EMOLLIENT
- ❖ MEDIUM SPREADING
- ❖ SIMILAR TO JOJOBA OIL



IOI OLEOCHEMICAL

Personal Care



1. 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, 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 odour. The product can become cloudy when stored; this does not affect the quality of the product. Heating will 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.

2. 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 colour and is therefore the right choice for colour-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"/> Colour 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.





3. FORMULATION GUIDE

ULTRA RICH BARRIER CREAM

No. 805

Skin is our largest organ and protects us from much more than we know. Without it, we would be defenceless. It's time to give something back to our skin. For example with IOI's Ultra Rich Barrier Cream, which, thanks to SOFTISAN® 649, effectively supports the skin barrier by lowering the TEWL and thus promotes skin health. In balanced combination with MIGLYOL® T-C7 and MIGLYOL® OE it creates an incredibly rich cream with a pleasant after feel that gently envelops and pampers your skin. When's your next skin pampering day?

Phase A		%
IMWITOR® 600 ¹	Polyglyceryl-3 Polyricinoleate	3.5
MIGLYOL® OE ¹	Oleyl Erucate	3.0
MIGLYOL® T-C7 ¹	Triheptanoin	8.0
WITARIX® MCT 60/40 ¹	Caprylic/Capric Triglyceride	8.0
SOFTISAN® 649 ¹	Bis-Diglyceryl Polyacyladipate-2	1.0
Argan Oil	Argania Spinosa (Argan) Kernel Oil	2.0
Beeswax	Cera Alba	2.0
Shea Butter	Butyrospermum Parkii (Shea) Butter	2.0
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Phase B		
Aqua dem.	Aqua	68.2
SOFTISAN® GC8 ¹	Glyceryl Caprylate	0.4
Zinc Sulfate Heptahydrate	Zinc Sulfate	1.2
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Phase C		
Tocopherol	Tocopherol	0.5
Nivesse DF extra ²	Parfum (EU)/ Fragrance (US)	0.2

Procedure:

- Heat phase A and B to 75°C.
- Add phase B to phase A in small amounts with stirring, then homogenize at low/medium speed.
- Cool phase A/B with gentle stirring to approx. 30°C.
- Add phase C and homogenize for a short time.

Supplier References:

¹IOI Oleo GmbH, ² Bell



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SMOOTH OPERATOR BEARD OIL

No. 802

Beards are trendy, but scratchy beards will never be popular. It is not hard to turn a scratchy into a soft and fluffy beard. 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 MIGLOYL® OE and vegetable oils, the skin is nourished, the beard is fluffy and no oily residues can be found on hair nor skin. Tested and found to be good by our bearded colleagues.

Phase A		%
IMWITOR® 375 ¹	Glyceryl Citrate/Lactate/Linoleate/Oleate	2.0
SOFTISAN® conditionHAIR ¹	PCA Glyceryl Oleate	2.0
MIGLYOL® OE ¹	Oleyl Erucate	18.0
MIGLYOL® 829 ECO ¹	Caprylic/Capric/Succinic Triglyceride	20.5
MIGLYOL® Coco 810 ¹	Coco-Caprylate/Caprate	16.0
Sweet Almond Oil	Prunus Amygdalus Dulcis (Almond) Oil	20.0
Arganöl desodoriert, bio ²	Argania Spinosa (Argan) Kernel Oil	15.0
Hemp Oil	Cannabis Sativa (Hemp) Seed Oil	5.0
Tocopherol	Tocopherol	0.5
Cedarwood Water ³	Parfum (EU)/ Fragrance (US)	1.0

Procedure:

Prepare this formulation at room temperature.

- Mix phase A in given order until clear.

Supplier References:

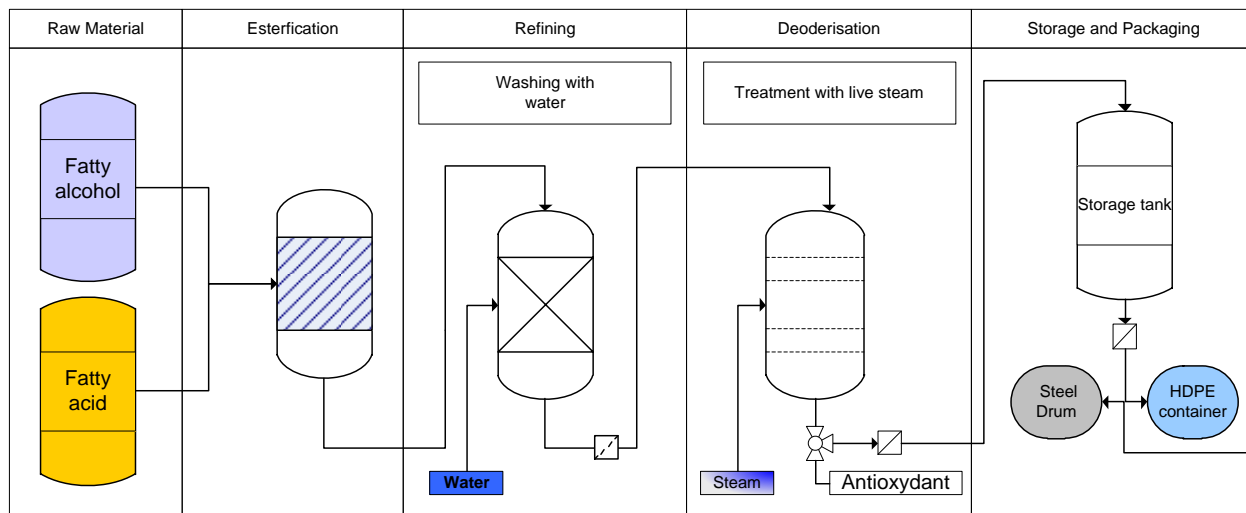
¹IOI Oleo GmbH, ²AOT, ³drom



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4. FLOW CHART



5. HANDLING AND SHELF LIFE

Long-term storage: 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.

6. PACKAGING UNITS

Multitainer with 25 kg, 600 kg on CP3 pallet
Drum with 180 kg, 720 kg on CP3 pallet





7. REGULATORY STATEMENT

	MIGLYOL® OE
HS Code	38249992
CAS No.	90990-29-7
EU EINECS EC No.	292-792-1
REACH Status	01-2120753764-46-0000
Country of Origin	Germany
USA	registered for import and use in cosmetics
USA-GHS Compliance	yes
Australia AICS CAS No.	17673-56-2
Canada DSL DSL/NDSL	No
Canada WHMIS 2015 Compliance	yes
China IECIC Standard Chinese Name & Index	油醇芥酸酯 08088
Japan Ingredient/ Labelling name	エルカ酸オレイル
Korean INCI name	올레일에루케이트
Halal	Yes
Kosher	Yes

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