



IOI OLEOCHEMICAL

PERSONAL CARE

# TECHNICAL DATA SHEET

## WITARIX® MCT 60/40; MCT 60/40 coconut based; MCT 70/30

INCI: Caprylic/Capric Triglyceride



- **SMOOTH SKIN FEEL**
- **MEDIUM SPREADABILITY**
- **GOOD ABSORPTION ON SKIN**



## DESCRIPTION

**WITARIX® MCT** is a classic emollient with pleasant sensory that is used in every kind of formulation. MCT offers medium spreadability, good skin-smoothing properties and food-grade status. It is 100% natural, vegan, halal, kosher and produced exclusively in Germany. IOI Oleo offers three different types of MCT:

	Ratio of C8/C10	RSPO MB or PO/PKO-free?
<b>WITARIX® MCT 60/40</b>	55 - 65% C8; 35 - 45% C10	RSPO MB certified
<b>WITARIX® MCT 60/40 coconut based</b>	55 - 65% C8; 35 - 45% C10	PO/PKO free
<b>WITARIX® MCT 70/30</b>	65 - 75% C8; 25 - 35% C10	RSPO MB certified

It is a triglyceride of saturated vegetable oil-derived caprylic and capric fatty acids and glycerin. WITARIX® MCT is a clear, virtually colorless liquid of neutral odor and taste. It is very pure because of its carefully selected raw materials. Due to the fully saturated nature of the raw material, it is very stable against heat, oxidation and light.

## APPLICATION

WITARIX® MCT types exhibit excellent skin smoothing properties and can be used to promote skin penetration. Because of its exceptional stability and versatility, **WITARIX® MCT** is among the most widely used emollients in personal care applications. The very neutral taste and food-grade status make MCT oils also very popular for lip products.

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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 |

**WITARIX® MCT** is miscible in all ratios with all oils, fats and ethanol can be easily incorporated into the oil phase. It is not soluble in water or glycerol.

## FORMULATION HINTS

- Recommended concentration of **WITARIX® MCT**: 5 – 60%
- Applicable for hot and cold processes
- Add WITARIX® MCT to the oil phase
- Recommended pH level: pH 4.0 – 7.0
- Non-oxidizable structure
- Liquid at 0°C



# 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 defenseless. 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 is your next skin pampering day?

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

### PREPARATION:

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

### SUPPLIERS:

**IOI Oleo: IMWITOR®, MIGLYOL®, SOFTISAN®,  
WITARIX®**  
Bell: Parfum



## HANDLING AND SHELF LIFE

The shelf life for WITARIX® MCT 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

Hobbock with 25 kg, 600 kg on CP3 pallet  
Drum with 190 kg, 760 kg on CP3 pallet  
IBC with 900 kg  
Road tanker

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

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