



Technical Data Sheet

WITARIX[®] MCT C8

WITARIX[®] MCT C8 pure coconut

INCI: Tricaprylin

- ❖ SENSORY TRANSFORMER
- ❖ POLAR EMOLLIENT
- ❖ 100% NATURAL



IOI OLEOCHEMICAL

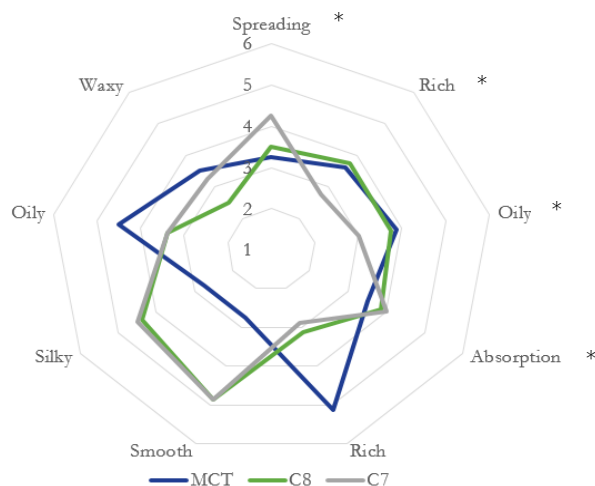
Personal Care



1. DESCRIPTION

WITARIX® MCT C8 and WITARIX® MCT C8 pure coconut are polar emollients with great sensorial properties. They are 100% natural, vegan and produced exclusively in Germany.

The redefined version of MCT has a high polarity and is the perfect fit for any kind of sun care and color cosmetic formulation. Tricaprylin is able to disperse and dissolve commonly used UV-filters and pigments while still leading to a good spreadability and pleasant skin feel. Also known as a sensory transformer, its skin feel transforms during and after application (green line). Its high to medium spreading properties and the appealing oily and rich feel (just like MCT, blue line (*during application)) turn into a very light, non-oily skin feel with elegant silky- and smoothness after absorption (like MIGLYOL® T-C7, grey line).



It is a triester of glycerol and caprylic acid. WITARIX® MCT C8 types are colourless and odourless liquids of low viscosity with a neutral taste. Available in RSPO MB quality and as a palm free version.

2. APPLICATION

WITARIX® MCT C8 types are liquid, food-approved ester emollients and can be used in many cosmetic concepts.

- | | | | |
|--|--|--|--|
| <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 |

UVA/UVB filters (powder/granules)	WITARIX® MCT C8/ pure coconut
Butyl Methoxydibenzoylmethane (BMDBM)	11.0 %
Diethylamino Hydroxybenzoyl Hexyl Benzoate (DHHB)	14.0 %
Ethylhexyl Triazone (EHT)	8.3 %
Benzophenone-3	14.5 %

WITARIX® MCT C8 and WITARIX® MCT C8 pure coconut can be mixed in any ratio with any liquid UVA, UVB and infrared filter e.g. OCR, EHS, HMS and EHMC.

FORMULATION HINTS

- recommended concentration of WITARIX® MCT C8/ pure coconut: 5-40 %
- applicable for cold and hot processes
- recommended pH 4.0 – 7.0
- non-oxidizable structure





3. FORMULATION GUIDE

BALM-TO-OIL MOISTURIZING CLEANSER

No. 811

The majority of skin cleansers are harsh; they remove all skin oils and leave your skin dry and tense. Our super mild but deep cleansing Balm-to-Oil Moisturizing Cleanser is different. Take some product out of the jar with your dry hands and massage it onto your face. Emulsify the product with lukewarm water. Now, let the magic happen. Rinse it off and enjoy clean and soft skin thanks to the great combination of our water-in-oil emulsifier IMWITOR® 600 and SOFTISAN® conditionHAIR, for that extra moisture boost. No more creams needed!

Phase A		%
WITARIX® MCT C8 ¹	Tricaprylin	12.0
SOFTISAN® conditionHAIR ¹	PCA Glyceryl Oleate	0.5
MIGLYOL® T-C7 ¹	Triheptanoin	12.0
MIGLYOL® 8810 ¹	Butylene Glycol Dicaprylate/Dicaprate	10.0
SOFTIGEN®PURA ¹	Olus Oil (EU)/Vegetable Oil (US)	10.0
IMWITOR® 600 ¹	Polyglyceryl-3 Polyricinoleate	2.4
Kahlwax 8104 Beeswax White ²	Cera Alba	14.0
Kahlwax 6692 Rose Wax ²	Rosa Damascena Flower Cera	2.0
Plantacare® 2000 UP ³	Decyl Glucoside	20.0
Sunflower Oil	Helianthus Annuus (Sunflower) Seed Oil	16.6
Tocopherol	Tocopherol	0.5

Procedure:

- Mix and heat phase A to 75°C.
- Cool down to 45°C with stirring and fill into molds.

Supplier References:

¹IOI Oleo GmbH, ²KahlWax, ³BASF



IOI OLEOCHEMICAL



SHEER INNOCENCE LIPSTICK

No. 810

This sheer lipstick gives your lips everything they could ever ask for. A subtle lip tint in the colour of the year (living coral) combined with great moisturizing properties due to the SOFTISAN® conditionHAIR. SOFTISAN® 378 positively influences the melting behaviour on the lips and SOFTIGEN® 701 ECO leads to a better glideability of the lipstick.

Phase A		%
	MIGLYOL® DO ¹	Decyl Oleate 12.60
	WITARIX® MCT C8 pure coconut ¹	Tricaprylin 10.0
	MIGLYOL® 829 ECO ¹	Caprylic/Capric/Succinic Triglyceride 10.0
	SOFTISAN® 378 ¹	Caprylic/Capric/Myristic/Stearic Triglyceride 6.0
	IMWITOR® PG3 DIS ¹	Polyglyceryl-3 Diisostearate 10.0
	SOFTISAN® conditionHAIR ¹	PCA Glyceryl Oleate 2.0
	SOFTISAN® 649 ¹	Bis-Diglyceryl Polyacyladipate-2 0.5
	SOFTIGAN® 701 ECO ¹	Glyceryl Ricinoleate (and) Tocopherol 5.0
	Kahlwax 6607L Sunflower Seed Wax ²	Helianthus Annuus (Sunflower) Seed Cera (and) Ascorbyl Palmitate (and) Tocopherol 8.0
	Kahlwax 2039L Candelilla Wax ²	Euphorbia Cerifera (Candelilla) Cera 14.0
	Castor Oil	Ricinus Communis (Castor) Seed Oil 20.0
	Cosphaderm® T-70 NON GMO ECO ³	Tocopherol (and) Helianthus Annuus (Sunflower) Seed Oil 0.50
Phase B		
	Fiesta Copper Coral FCL-CCO ⁴	Synthetic Fluorphlogopite (and) Titanium Dioxide (CI 77981) (and) Red 40 (CI 16035) (and) Tin Oxide (CI 77861) 2.07
	Ecoperse Red 6 R6L-D94 ⁴	Red 6 Ba Lake (CI 15850:2) (and) Octyldodecyl Oleate 1.10
	Ecoperse White W-47051 ⁴	Titanium Dioxide (CI 77891) (and) Octyldodecyl Oleate 1.47
	Ecoperse Yellow 5 Y5L-69002 ⁴	FD&C Yellow 5 Al Lake (and) Octyldodecyl Oleate 0.27
	Majestic Rhubarb MCM-RIO4 ⁴	Mica (and) Iron Oxides Red (CI 77492) 1.08
	6800026 Raspberry Lips ⁵	Parfum (EU)/Fragrance (US) 0.40

Procedure:

- Mix and heat all materials to 80°C. If possible, disperse the powders first in WITARIX® MCT C8 pure coconut.
- Add the perfume immediately before filling the lipstick into the molds. Allow to cool down.

Supplier References:

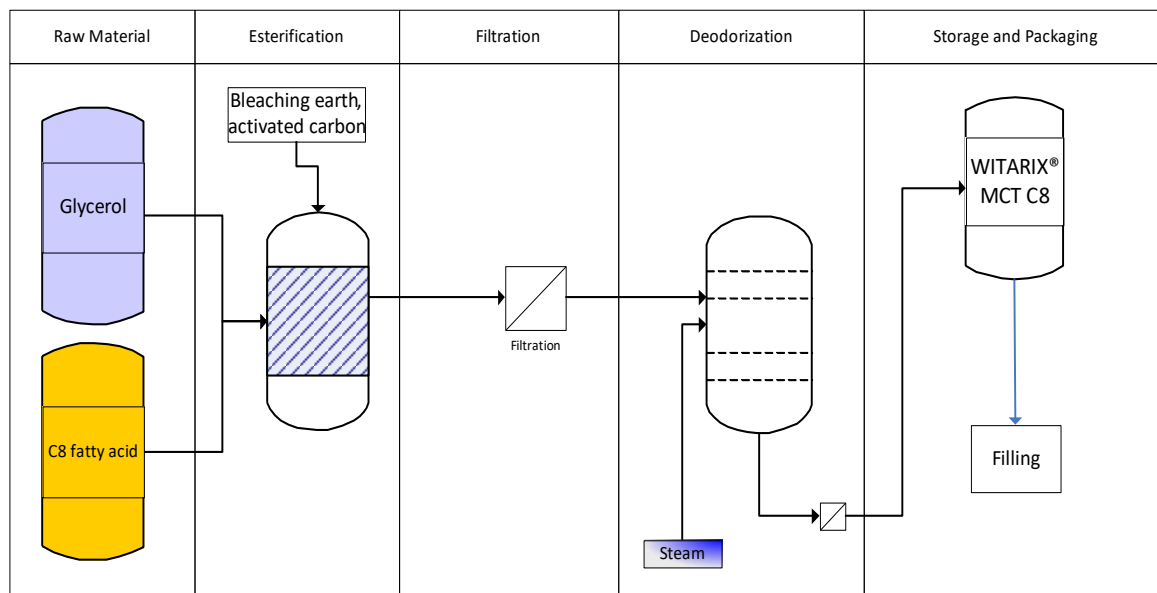
¹IOI Oleo GmbH, ²KahlWax, ³Cosphatec, ⁴Sandream, ⁵Bell



IOI OLEOCHEMICAL



4. FLOW CHART



5. HANDLING AND SHELF LIFE

The shelf life of WITARIX® MCT C8 and WITARIX® MCT C8 pure coconut 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.

6. PACKAGING UNITS

25 kg Multitainer; 600 kg on CP3 pallet

190 kg drum; 760 kg on CP3 pallet

950 kg IBC





7. REGULATORY STATEMENT

	WITARIX® MCT C8/ pure coconut
HS Code	15162098
CAS No.	538-23-8
EC No.	208-686-5
REACH Status	01-2120758108-51-0002
Country of Origin	Germany
USA	Registered for import and use in cosmetics
USA-GHS Compliance	Yes
Australia AICS CAS No.	538-23-8
Canada DSL DSL/NDSL	Revised ICL
Canada WHMIS 2015 Compliance	Yes
China IECIC Standard Chinese Name & Index	三辛酸甘油酯
Japan Ingredient/ Labelling name	トリカプリリン
Korean INCI name	트라이카프릴린
Halal	Yes
Kosher	Yes

Please contact your distribution partner in your country or contact us directly at personalcare@ioioleo.de
Hamburg, Germany | +49 40 28 00 31 – 0 | www.ioioleo.de

All information and further technical advice (“Information”) are presented in good faith and believed to be correct and are based on IOI Oleo GmbH’s (including all group companies) present technical knowledge. IOI Oleo GmbH makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. As far as legally possible, IOI Oleo GmbH will not be responsible for damages of any nature whatsoever resulting from the use of or reliance upon such information. IOI Oleo GmbH reserves the right to make any changes according to technological progress or further developments in its sole discretion.

IN PARTICULAR, IOI OLEO GMBH MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR 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 INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS. IN NO CASE SHALL THE INFORMATION BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE.

07.2019/V02



IOI OLEOCHEMICAL