



IOI OLEOCHEMICAL

PERSONAL CARE

# TECHNICAL DATA SHEET

## SOFTIGEN<sup>®</sup> PURA

INCI: Caprylic/Capric Triglyceride (and) Hydrogenated Rapeseed Oil



- **MULTIFUNCTIONAL BASE**
- **100% NATURAL & VEGAN**
- **MOISTURIZING**

## DESCRIPTION

**SOFTIGEN® PURA** is a semi-solid, pasty emollient suitable for all kind of cosmetic formulations. It is vegan, RSPO MB quality, 100% natural based and produced exclusively in Germany. It is a multifunctional emollient, respectively cream base with very similar properties (moisturizing, stability against oxidation, film-forming and look & feel) as conventional petrolatum.

The blend of natural triglycerides of pure vegetable origin. SOFTIGEN® PURA is a slightly yellowish odorless paste. It has a high stability against oxidation and is free from additives, pesticides, or impurities. At higher storage temperatures, it may change its appearance (from pasty to liquid). It is recommended to store this ingredient below 25°C.

## APPLICATION

With its good skin-smoothing properties and its smooth, velvety feel on the skin, **SOFTIGEN® PURA** can be used for all kinds of cosmetic formulations.

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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 |

**SOFTIGEN® PURA** is miscible in all ratios with all cosmetic fats and oils and can be easily incorporated into the oil phase. It is not soluble in water and glycerol.

## FORMULATION HINTS

- Recommended concentration of **SOFTIGEN® PURA**:
  - Creams and lotions: 1 – 25%
  - Skin serum: up to 60% (just stir oils and SOFTIGEN®PURA at room temperature and homogenize or heat all oils up to 35°C)
  - Lip sticks: 1 – 10% & lip butter: 1 – 40%
  - Shampoos and shower products: 0.5 – 2%
  - Baby care: 1 – 40%
- Melting range: 45 – 55°C
- Designed **for cold process** formulas, can be incorporated by fast stirring or homogenization
- When heated, the appearance may change and the viscosity may decrease, as SOFTIGEN® PURA is a unique physical mixture of crystals of hydrogenated rapeseed oil dispersed in medium chain triglycerides (MCT)
- Add SOFTIGEN® PURA to the **oil phase (cold process)**, or **during cooling process (< 35°C)** of the formulation; if a hot process is required, ensure a **slow gradual cooling process** with **homogenization**
- Recommended pH level: pH 3.0 – 8.5



# FORMULATION GUIDE

## MAYDAY RESCUE BALM NO. 831

Mayday! Mayday! Is your skin screaming for help? Is it dry, patchy, itchy, or just not smooth anymore? Help is here with the Mayday Rescue Balm. Its oil mixture comprising of vegetable oils and our sensory emollients is effective in making your skin look and feel healthy after an overnight cure. SOFTIGEN® PURA melts on your skin leaving a pleasant film, whereas SOFTISAN® conditionHAIR conditions and moisturizes. The thick balm gets absorbed quickly, working behind scenes the whole night. Awake renewed with skin that feels fresh, healthy, and beautiful. Apply when and wherever needed.

	Trade Name	INCI	%
<b>PHASE A</b>	<b>DYNASAN® 118</b>	<b>Tristearin</b>	<b>3.0</b>
	<b>WITARIX® MCT C8</b>	<b>Tricaprylin</b>	<b>15.0</b>
	<b>SOFTIGEN® PURA</b>	<b>Caprylic/Capric Triglyceride (and) Hydrogenated Rapeseed Oil</b>	<b>8.0</b>
	<b>MIGLYOL® OE</b>	<b>Oleyl Erucate</b>	<b>14.0</b>
	Castor Oil	Ricinus Communis (Castor) Seed Oil	40.5
	<b>SOFTISAN® conditionHAIR</b>	<b>PCA Glyceryl Oleate</b>	<b>1.0</b>
	Kahlwax 2039L Candelilla Wax	Euphorbia Cerifera (Candelilla) Cera	4.0
	Sweet Almond Oil	Prunus Amygdalus Dulcis (Sweet Almond) Oil	14.0
	Tocopherol	Tocopherol	0.5

### PREPARATION:

1. Mix and heat all ingredients to approx. 80°C.
2. **Cool down to approx. 50 - 55°C while stirring properly** and fill into molds.
3. Allow to slowly cool down to room temperature.

### SUPPLIERS:

**IOI Oleo: DYNASAN®, MIGLYOL®, SOFTIGEN®, SOFTISAN®, WITARIX®**  
KahlWax: Candelilla Wax



**LIGHT<sup>2</sup>RICH TRANSFORMER LOTION NO. 812**

A light and rich skin feeling in just one formula? Yes. That's exactly what this concept is all about. IMWITOR® 600 in combination with the surfactant creates this surprising skin sensation, resulting in a lotion transforming from very light and gliding to a rich and nourishing skin feel. SOFTIGEN® PURA enriches the formula as a natural film-forming ingredient, while the combination of MIGLYOL® T-C7 and MIGLYOL® 8810 ECO offers a strong gliding effect, with a silky and smooth skin feel. As a plus: SOFTISAN® conditionHAIR (despite its name) offers moisturization to face and body.

	Trade Name	INCI	%
<b>PHASE A</b>	<b>IMWITOR® 600</b>	<b>Polyglyceryl-3 Polyricinoleate</b>	<b>4.0</b>
	<b>MIGLYOL® T-C7</b>	<b>Triheptanoin</b>	<b>5.0</b>
	<b>MIGLYOL® 8810</b>	<b>Butylene Glycol Dicaprylate/Dicaprate</b>	<b>5.0</b>
	<b>SOFTISAN® conditionHAIR</b>	<b>PCA Glyceryl Oleate</b>	<b>0.3</b>
	Shea Butter	Butyrospermum Parkii Butter	2.0
	6607L Sunflower Seed Wax	Helianthus Annuus Seed Cera (and)	0.8
	Nafol® 1618 H	Ascorbyl Palmitate (and) Tocopherol Cetearyl Alcohol	2.5
<b>PHASE B</b>	Water demin.	Aqua	71.0
	Glycerin	Glycerin	4.0
	Keltrol® CG-SFT	Xanthan Gum	0.6
	Euxyl® PE 9010	Phenoxyethanol (and) Ethylhexylglycerin	1.0
<b>PHASE C</b>	Plantapon® LGC Sorb	Sodium Lauryl Glucose Carboxylate (and) Lauryl Glucoside	1.5
<b>PHASE D</b>	<b>SOFTIGEN® PURA</b>	<b>Caprylic/Capric Triglyceride (and)</b> <b>Hydrogenated Rapeseed Oil</b>	<b>2.0</b>
	0798185 White Flair	Parfum (EU)/ Fragrance (US)	0.3

**PREPARATION:**

1. Mix phase B until Keltrol® is completely dissolved.
2. Add phase C to phase B under stirring.
3. Heat phases A and B/C to 80°C.
4. Add phase A to B/C and homogenize (3 min 5.000 - 8.000 rpm).
5. Cool down to 35-40°C while stirring.
6. Add phase D while stirring and homogenize again.

**SUPPLIERS:**

**IOI Oleo: IMWITOR®, MIGLYOL®, SOFTIGEN®, SOFTISAN®**  
 KahlWax: Sunflower Seed Wax  
 Sasol: Nafol®  
 CP Kelco: Keltrol®  
 Ashland: Euxyl®  
 BASF: Plantapon®  
 Bell: Parfum



## HANDLING AND SHELF LIFE

The shelf life for SOFTIGEN® PURA is at least thirty-six 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

Bucket with lid with 25 kg; 400 kg on DB pallet  
Drum with 170 kg; 680 kg on DB pallet

### IOI Oleo GmbH

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

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

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