



IOI OLEOCHEMICAL

PERSONAL CARE

# TECHNICAL DATA SHEET

## SOFTIGEN® 767

INCI: PEG-6 Caprylic/Capric Glycerides



The water-loving emollient

Water-soluble vegan emollient with mild cleansing and wetting properties  
providing skin-caring refatting comfort



## DESCRIPTION

**SOFTIGEN® 767** is a **water-loving emollient** highly popular for its **mild yet powerful** performance. It adds comfort to any leave-on, rinse-off or surfactant formula, providing a thin caring refatting film that prevents from skin drying. Vegan & RSPO MB renewable sources, manufactured in a pharmaceutical environment, mild top-quality reference: **SOFTIGEN® 767 provides the trust** you need for any topical applications.

SOFTIGEN® 767 is a **hydrophilic emollient** with **surfactant properties** based on medium chain partial glyceride technology. This classic cosmetic reference offers **hydrophilic mildness combined with powerful properties**.

## APPLICATION

As a **skin caring agent**, it can be used in both **rinse-off** and **leave-on** formulas. Leave-on concepts like **micellar waters** benefit from its mild skin caring properties combined with its ability to **form micelles** for a powerful make-up removal. Its supple & smooth sensory and solubilizing properties, make it the perfect fit for all kind of clear face sprays, tonics, fragrances and micellar waters.

In rinse-off formulas, SOFTIGEN® 767 provides **a caring, supple & smooth sensation**. Through its **refatting properties**, it prevents from skin drying and thus increases the **after-feel comfort**. The preserving of the natural skin lipidic barrier reinforces the caring effect. It decreases viscosity for an easier application. Recommended for any kind of clear surfactant solution e.g. Shampoo or Bath.

With its high HLB of 14, this **liquid emollient** also functions as **solubilizer** for perfume or essential oils.

- |   |  |   |   |
|---|--|---|---|
| <input checked="" type="checkbox"/> Skin Care | <input checked="" type="checkbox"/> Body Care  | <input checked="" type="checkbox"/> Sun Care  | <input type="checkbox"/> Color Cosmetics      |
| <input type="checkbox"/> Baby Care            | <input checked="" type="checkbox"/> Hair Care  | <input checked="" type="checkbox"/> Bath Care | <input checked="" type="checkbox"/> Wet Wipes |
| <input type="checkbox"/> Self-Tanning         | <input checked="" type="checkbox"/> Beard Care | <input type="checkbox"/> Deodorants           | <input type="checkbox"/> Intimate Hygiene     |

**SOFTIGEN® 767** is soluble in water, miscible with glycerol (miscible up to 90%), castor oil, ethanol, isopropanol and ethylbutylacetate and hardly soluble in vegetable or mineral oil.

## FORMULATION HINTS

- Recommended concentration of **SOFTIGEN® 767**: 0.3 – 10%
  - Micellar Waters (leave-on): 0.5 – 6%
  - Face Sprays & Tonics: 0.3 – 1%
  - Fragrances & Essential Oils: Ratio 1:1 – 2:1
  - Shampoo: 0.5 – 2%
  - Bath Care (rinse-off): 2 – 10%
- Applicable for hot and cold processes
- Add SOFTIGEN® 767 to the water, alcohol or surfactant phase or pre-solubilize perfume or essential oils
- Recommended pH level: pH 4.0 – 7.0



# FORMULATION GUIDE

## CLEANSING HANDFOAM TO GO NO. 774

Cleaning hands everywhere without water or soap and no need for a towel to dry them - is that possible? We make it possible! With our formulation, we offer the basis for a product that considers environmental aspects and, at the same time, ensures hygiene and protection for hands. SOFTIGEN® 767 is a water-loving emollient with excellent refatting characteristics as well as mild cleansing properties that acts in synergy with IMWITOR® PG4 Cocoate to improve the cleansing properties. SOFTISAN® conditionHAIR leads to higher refatting properties in the final product. Ethanol provides a refreshing effect and, together with SOFTISAN® GC8 PalmFree, provides natural preservation of the formula.

	Trade Name	INCI	%
<b>PHASE A</b>	<b>SOFTIGEN® 767</b>	<b>PEG-6 Caprylic/Capric Glycerides</b>	<b>2.5</b>
	<b>IMWITOR® PG4 Cocoate</b>	<b>Polyglyceryl-4 Cocoate</b>	<b>0.5</b>
	<b>SOFTISAN® conditionHAIR</b>	<b>PCA Glyceryl Oleate</b>	<b>0.3</b>
	<b>SOFTISAN® GC8 PalmFree</b>	<b>Glyceryl Caprylate</b>	<b>0.8</b>
<b>PHASE B</b>	Water demin.	Aqua	78.3
	Ethanol (96%)	Alcohol denat.	16.0
	Hamamelis dest.	Hamamelis Virginiana	1.0
	Panthenol	Panthenol	0.5
	Disodium EDTA	Disodium EDTA	0.1

### PREPARATION:

1. Heat up phase A to 40°C.
2. Mix phase B at room temperature and add phase B in small portions to phase A. Keep stirring until a clear solution is obtained.

### SUPPLIER:

**IOI Oleo GmbH: IMWITOR®, SOFTIGEN®, SOFTISAN®**



**VEGANISTA FACE TONIC NO. 828**

Micelles are formed when the interphase between the water and oil/air is densely packed. They really have super powers! They are able to solubilize and gently remove make-up and environmental pollutants from the skin in their lipophilic core. SOFTIGEN® 767 is a popular mild, yet powerful cleansing agent with excellent refatting properties and is able to solubilize fragrances or essential oils.

Pro tip: Increase the amount of SOFTIGEN® 767 slightly (up to 6%) to turn this tonic into a powerful, yet mild micellar water!

	<b>Trade Name</b>	<b>INCI</b>	<b>%</b>
<b>PHASE A</b>	Water demin.	Aqua	86.7
	Disodium EDTA	Disodium EDTA	0.1
	Panthenol	Panthenol	1.0
	Zitronengras Bio Extrakt (P-00021703)	Glycerin (and) Aqua (and) Cymbopogon Citratus Extract	2.0
	Glycerin	Glycerin	3.0
	Zemea® Propanediol	Propanediol	3.0
	Cosphaderm® Hexiol	1,2 Hexanediol	3.0
<b>PHASE B</b>	30213993 Gruener Tee	Parfum (EU)/ Fragrance (US)	0.2
	<b>SOFTIGEN® 767</b>	<b>PEG-6 Caprylic/Capric Glycerides</b>	<b>1.0</b>

**PREPARATION:**

1. Prepare phases A and B.
2. Add phase A to phase B under stirring and stir until clear.
3. Adjust pH value to pH 5.5 - 6.0 if necessary.

**SUPPLIERS:**

**IOI Oleo: SOFTIGEN®**  
 Botanica: Zitronengras Bio Extrakt  
 DuPont Tate & Lyle: Zemea®  
 Cosphatec: Cosphaderm®  
 drom: Parfum



## HANDLING AND SHELF LIFE

The shelf life for SOFTIGEN® 767 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

Multitainer with 25 kg, 600 kg on CP3 pallet

Drum with 200 kg, 800 kg on CP3 pallet

IBC with 1000 kg

### 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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