



IOI OLEOCHEMICAL

PERSONAL CARE

# TECHNICAL DATA SHEET

## SOFTISAN® PG2 C10

INCI: Polyglyceryl-2 Caprate



- **SOFT TOUCH**
- **DEODORIZING**
- **ANTIMICROBIAL**



## DESCRIPTION

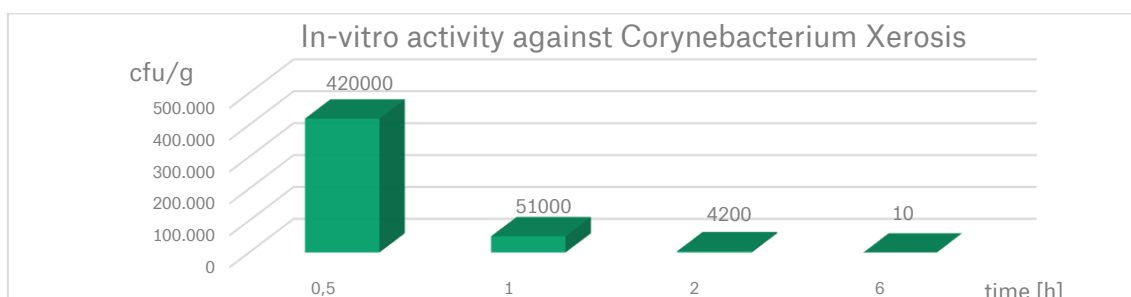
**SOFTISAN® PG2 C10** is a multifunctional product that combines caring (refatting and moisturizing) with antimicrobial properties and improves the softness of emulsions. This combination helps to maintain not only the hydro balance of the skin, but also to repress unpleasant body odors. The polar head consisting of two glycerol units helps to moisturize hair and skin. The known antimicrobial effects of short to medium chain monoglycerides can also be found for Polyglyglyceryl-2 Caprate. **SOFTISAN® PG2 C10** exhibits a distinctive deodorizing effect and helps to promote the efficacy of deodorants. It is vegan, 100% natural, halal, RSPO MB certified and produced exclusively in Germany.

It is a diglyceryl monocaprate. **SOFTISAN® PG2 C10** is a clear viscous liquid with a neutral odor.

## APPLICATION

Usually sweat is associated with body odor. However, did you know that freshly produced sweat is odorless? It is the bacteria in your armpit that turns odorless sweat into a smelly product. Instead of fighting against pure sweating with the use of aluminum, the germs that decompose the sweat can be tackled much easier.

**SOFTISAN® PG2 C10** has selective antimicrobial activity especially against gram-positive bacteria, while other beneficial bacteria on the skin remain unaffected. *Corynebacterium xerosis* (standard germ for in-vitro deodorant testing) is significantly reduced by 0.5% of **SOFTISAN® PG2 C10** in a standard deodorant roll-on formulation (see below). After six hours, almost no germs are left.



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|--|--|--|--|
| <input checked="" type="checkbox"/> Skin Care    | <input checked="" type="checkbox"/> Body Care  | <input type="checkbox"/> Sun Care              | <input 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 |

## FORMULATION HINTS

- Recommended concentration of **SOFTISAN® PG2 C10**: 0.5 – 3%
  - For transparent rinse-off products: max. 3%
- Applicable for hot and cold processes
- Add **SOFTISAN® PG2 C10** to the oil or water phase
- Recommended pH level: pH 4.0 – 7.0



# FORMULATION GUIDE

## CREAM WITH SOFT TOUCH NO. 756

Do you remember the last warm summer rain? The cooling and so urgently needed refreshment after an unbearably hot day feels so good on the skin. You can bring that feeling home now. SOFTISAN® PG2 C10 turns any cream into a soft cream. The light pick-up, the more jelly consistency and the so soft and creamy feeling switch on the vaycay mode. Instantly!

	Trade Name	INCI	%
<b>PHASE A</b>	<b>IMWITOR® 372 P</b>	<b>Glyceryl Stearate Citrate</b>	<b>3.0</b>
	<b>IMWITOR® 900 K</b>	<b>Glyceryl Stearate</b>	<b>2.0</b>
	<b>WITARIX® MCT 60/40</b>	<b>Caprylic/Capric Triglyceride</b>	<b>20.0</b>
	<b>SOFTISAN® PG2 C10</b>	<b>Polyglyceryl-2 Caprate</b>	<b>1.0</b>
	Nafol® 1618	Cetearyl Alcohol	1.0
	Keltrol® CG-F	Xanthan Gum	0.3
<b>PHASE B</b>	Water demin.	Aqua	66.7
	Euxyl® PE 9010	Phenoxyethanol (and) Ethylhexylglycerin	1.0
	Glycerin 99.5%	Glycerin	5.0

### PREPARATION:

1. Heat phase A and B to 75°C. Pour phase B into phase A and homogenize (3 min @ 12.000 rpm).
2. Stir phase A/B until 30°C. If necessary, adjust pH value to pH 5.5 – 6.0.

### SUPPLIERS:

**IOI Oleo GmbH: IMWITOR®, SOFTISAN®, WITARIX®**  
 Sasol: Nafol®  
 CP Kelco: Keltrol®  
 Schülke & Mayr: Euxyl®

## HANDLING AND SHELF LIFE

The shelf life for SOFTISAN® PG2 C10 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

Multitainer with 25 kg, 600 kg on CP3 pallet  
 Drum with 190 kg, 760 kg on CP3 pallet

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

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