



IOI OLEOCHEMICAL

PERSONAL CARE

# TECHNICAL DATA SHEET

# IMWITOR® 742

INCI: Caprylic/Capric Glycerides



- **DISPERSING AID**
- **PENETRATION ENHANCER**
- **NON-IONIC CO-EMULSIFIER**



## DESCRIPTION

**IMWITOR® 742** is a non-ionic O/W co-emulsifier with an estimated HLB of 5 - 6, that can be used as dispersing and wetting agent and for improved solubility of hydrophilic substances in lipophilic systems. It is 100% natural, vegan, halal, kosher, RSPO MB certified and produced exclusively in Germany.

It is a partial glyceride of a blend of mono, di and triglycerides, mainly of caprylic and capric acid. IMWITOR® 742 is a white-yellowish, pasty crystalline mass with a characteristic odor. It melts at about 25°C to form an oily, yellowish liquid. It does not contain unsaturated components and is therefore stable against oxidation even at elevated temperatures. As partial glyceride of C8/C10 fatty acid, IMWITOR® 742 has a typical bitter taste.

## APPLICATION

**IMWITOR® 742** can be used in different cosmetic formulations, e.g. as dispersant for active ingredients in anti-acne creams, as wetting agent in color cosmetic or as refatting agent in shower gels.

<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 type="checkbox"/> Baby Care	<input checked="" type="checkbox"/> Hair Care	<input checked="" type="checkbox"/> Bath Care	<input type="checkbox"/> Wet Wipes
<input checked="" type="checkbox"/> Self-Tanning	<input checked="" type="checkbox"/> Beard Care	<input type="checkbox"/> Deodorants	<input type="checkbox"/> Intimate Hygiene

Due to its lipophilicity, **IMWITOR® 742** is miscible with all fats and oils and very slightly soluble in water (about 10%).

## FORMULATION HINTS

- Recommended concentration of IMWITOR 742®
  - Dispersing & wetting agent: 1 - 3%
  - Solubility improvement in oils: 1 - 25%
  - Refatting agent: 0.2 - 1%
- Add **IMWITOR® 742** to the oil phase
- Applicable for cold and hot processes
- It can be incorporated into cold process surfactant systems for providing a thickening effect. It is an alternative to ethoxylated refatting agents such as PEG-6 Caprylic/Capric Glycerides (SOFTIGEN® 767) or PEG-7 Glyceryl Cocoate.
- IMWITOR® 742 can occur in different forms/consistencies, ranging from a crystalline solid or partly solid to liquid or paste, depending on the monoester content and the ambient temperatures. Due to this and in order to obtain a homogeneous product, it is **recommended to melt the bulk** before using the product.
- Recommended pH value: pH 4.0 - 7.5



## HANDLING AND SHELF LIFE

The shelf life for IMWITOR® 742 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 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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