



Technical Data Sheet

IMWITOR[®] 742

INCI: Caprylic/Capric Glycerides

- ❖ DISPERSING AID
- ❖ PENETRATION ENHANCER
- ❖ SOLUBILITY IMPROVMENT



IOI OLEOCHEMICAL

Personal Care



1. DESCRIPTION

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

2. APPLICATION

IMWITOR® 742 can be used in different cosmetic formulations, e.g. as a dispersant for active ingredients in anti-acne creams, as a wetting agent in colour cosmetic formulations or a 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"/> Colour 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%).

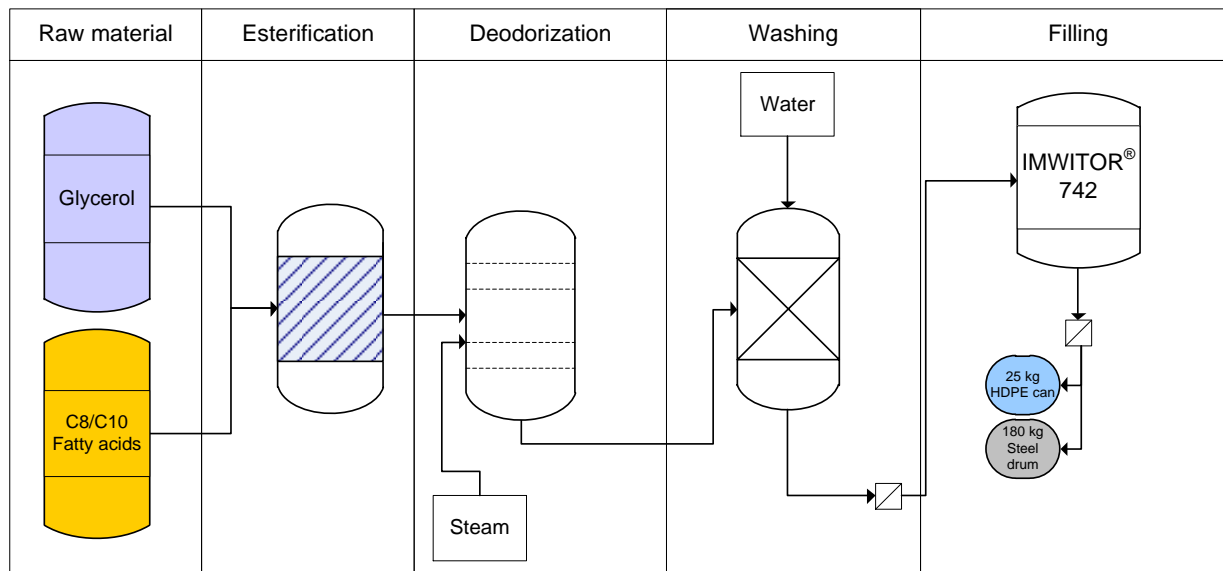
FORMULATION HINTS

- Recommended concentration
 - Dispersing, wetting agent 1 – 3%
 - Solubility improvement in oils: 1 – 25%
 - Refatting agent: 0.2 -1%.
- Add IMWITOR® 742 to the oil phase.
- It can be incorporated into cold process surfactant systems, 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 4 – 7.5.





3. FLOW CHART



4. 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.

5. PACKAGING UNITS

Multitainer with 25 kg; 600 kg on CP3 pallet

Drum with 190 kg; 760 kg on CP3 pallet





6. REGULATORY STATEMENT

	IMWITOR® 742
HS Code	38249955
CAS No.	85536-07-8
EU EINECS EC No.	287-488-0
REACH Status	01-2119963379-22-0000
Country of Origin	Germany
USA	registered for import and use in cosmetics
USA GHS Compliance	Yes
Australia AICS CAS No.	85536-07-8
Canada DSL DSL/NDSL	Revised ICL / DSL
Canada WHMIS 2015 Compliance	Yes
China IECIC Standard Chinese Name & Index	辛酸/癸酸甘油酯类 07208
Japan Ingredient/ Labelling name	カプリル酸/カプリン酸) グリセリズ
Korean INCI name	카프릴릭/카프릭글리세라이드
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