WE CARE FOR BEAUTY
TOUCHING TECHNOLOGIES

About Technologies
Innovators of the first hour with the vision of Arthur Imhausen in 1912, our specialty ingredients IMWITOR®, MIGLYOL®, SOFTISEN®, SOFTISAN®, DYNASAN® & WITARIX® inspire trust and cost-effective reliability.

Today equipped with first class GMP certified production, IOI Oleo GmbH (part of IOI Oleochemical Division) proudly produces in Germany the highest quality of esters and natural ingredients for pharmaceutical, cosmetics & nutrition applications.

Sensorial Technologies
A broad portfolio of multifunctional ingredients from emollients to emulsifiers makes IOI Oleo a creative partner for both modern and nature-based cosmetic formulators.

Let our experience develop and support your tailor sensorial profile and make this touch become your signature.

Emotional Technologies
The sustainability, touch and after-feel of your next formula is of utmost importance to create an impactful consumer experience.

Our passionate team will provide you with a full range of emotion-providing solutions to pick the best story and sensory profile you need for your concept.

All of this, in a constant and transparent respect of Nature.
**EMOLLIENTS**

**Product Name:** SOFTIGEN® PURA  
**INCI:** EU: Olus Oil, US: Vegetable Oil  
**DESCRIPTION:** SOFTIGEN® PURA is a blend of natural triglycerides of 100% vegetable origin. SOFTIGEN® PURA based products are easily spreadable and give a smooth and velvety skin feel. This makes this natural ingredient the ideal base for rich creams, balms and butters. It is a multifunctional cream base with similar properties (stability against oxidation, occlusivity) as conventional petrolatum. SOFTIGEN® PURA is colorless, odorless and has a very long shelf life.

**Product Name:** SOFTISAN® 378  
**INCI:** Caprylic/Capric/Myristic/ Stearic Triglyceride  
**DESCRIPTION:** A specialty blend of triglycerides based on saturated even numbered, unbranched natural fatty acids of vegetable origin. With its low melting point, it leaves a non-tacky and non-greasy film on the skin. SOFTISAN® 378 has a pasty consistency, a high oxidative stability and offers the same benefits as Shea Butter. It is a perfect base for pasty product concepts, lip products or body butters. It imparts structure to the finished products and yet has a surprisingly light skin feel.

**Product Name:** MIGLYOL® OE  
**INCI:** Oleyl Erucate  
**DESCRIPTION:** Liquid wax ester with similar properties as natural jojoba oil. For the task of providing care and shine for skin, hair or color cosmetics, it is a cost-effective alternative to jojoba oil. Along with its rich skin feel and long playtime it reduces the tackiness of vegetable oils and other triglycerides.

**Product Name:** MIGLYOL® PPG 810  
**INCI:** Butylene Glycol Dicaprylate/Dicaprate  
**DESCRIPTION:** Due to its polarity and dry, non-oily skin feel, this ester oil is an excellent solvent for UV sunscreens and a perfect alternative to low molecular weight silicones. A low viscosity and easy spreading properties facilitate the even distribution of sun care products on the skin. This makes MIGLYOL® 8810 one of the most popular emollients for sun care and BB creams throughout the world.

**Product Name:** MIGLYOL® 829  
**INCI:** Caprylic/Capric/ Succinic Triglyceride  
**DESCRIPTION:** A polar oil component with a fast spreading capability. It acts as an emollient and leaves a light, non-oily, smooth and velvety skin sensation similar to low molecular weight silicone oils. Furthermore, it shows excellent dispersing and dissolving properties for pigments and sunscreens.

**Product Name:** MIGLYOL® 829 ECO  
**INCI:** Caprylic/Capric/ Succinic Triglyceride  
**DESCRIPTION:** Caprylic/capric triglyceride units crosslinked with succinic acid to form a larger molecule with unique properties. Higher viscosity and medium to slow spreading combined with an excellent lubrication effect give a rich but elegant skin sensation and long playtime. The specific density close to that of water provides extra stability in emulsions and allows to formulate two-phase products with aqueous base.

**Product Name:** MIGLYOL® Coco 810  
**INCI:** Coco-Caprylate/Caprate  
**DESCRIPTION:** This fast spreading non-polar and non-oily emollient and refatting agent can be considered a true vegetable alternative for light petrochemical based emollients like mineral oils or silicones (e.g. D5). Due to its extremely light skin feel and fast spreading, MIGLYOL® Coco 810 provides an elegant skin feel. It is non-oxidizable and odorless. With this balanced emollient profile, it is an excellent choice for all kinds of skin care, hair care, massage products and many more.

Raw material approved by ECOCERT GREENLIFE, compliant with the COSMOS standard.
**Product Name:** IMWITOR® liteMULS

**INCI:** Glyceryl Citrate/Lactate/Linoleate/Oleate, Polyglyceryl-4 Cocoate, Polyglyceryl-3 Caprate, Glyceryl Caprylate

**Typical Dosage:** 5.0–10.0

**HLB:** 10–12

**DESCRIPTION:** 100% natural, easy-to-use O/W emulsifier blend. Especially suitable for low viscous emulsions like wet wipe liquids. IMWITOR® liteMULS is also ideal for self-emulsifying bath oils. It is hot and cold processable and can emulsify up to 40% oil phase.

**Product Name:** IMWITOR® 372 P

**INCI:** Glyceryl Stearate Citrate

**Typical Dosage:** 1.0–3.0

**HLB:** 10–12

**DESCRIPTION:** 100% natural, anionic O/W emulsifier, leaving a smooth and silky skin feel. IMWITOR® 372 P provides stable emulsions over a wide range of viscosities. This hot processable emulsifier can be combined with a large number of co-emulsifiers and is very stable in the presence of multifunctional ingredients used as preservative boosters (e.g. SOFTISAN® GC 8). Widely used in natural cosmetics concepts, sun care formulations and skin care products.

**Product Name:** IMWITOR® 375

**INCI:** Glyceryl Citrate/Lactate/Linoleate/Oleate

**Typical Dosage:** 1.0–3.0

**HLB:** 10–12

**DESCRIPTION:** A 100% natural, versatile, sunflower-based and anionic O/W emulsifier. It is cold processable and can emulsify up to 30% oil phase. IMWITOR® 375 offers a high flexibility to formulators. It forms already at 1% thin and light emulsions with a soft, velvety touch and creams just by adding co-emulsifier, fatty alcohol and a thickening agent. Moreover, it can be used to formulate other product concepts as nail lacquer remover, self-emulsifying bath oils. IMWITOR® 375 is a true all-rounder.

**Product Name:** IMWITOR® 960 K

**INCI:** Glyceryl Stearate SE

**Typical Dosage:** 2.0–7.0

**HLB:** 9–12

**DESCRIPTION:** IMWITOR® 960 K is a classic anionic emulsifier for rich creams and butters. Works best at neutral pH. This self-emulsifying glyceryl stearate quality has a monoester content of approx. 30%.

**Product Name:** IMWITOR® 375

**INCI:** Glyceryl Citrate/Lactate/Linoleate/Oleate

**Typical Dosage:** 1.0–3.0

**HLB:** 10–12

**DESCRIPTION:** A 100% natural, versatile, sunflower-based and anionic O/W emulsifier. It is cold processable and can emulsify up to 30% oil phase. IMWITOR® 375 offers a high flexibility to formulators. It forms already at 1% thin and light emulsions with a soft, velvety touch and creams just by adding co-emulsifier, fatty alcohol and a thickening agent. Moreover, it can be used to formulate other product concepts as nail lacquer remover, self-emulsifying bath oils. IMWITOR® 375 is a true all-rounder.

**Product Name:** IMWITOR® 375

**INCI:** Glyceryl Citrate/Lactate/Linoleate/Oleate

**Typical Dosage:** 1.0–3.0

**HLB:** 10–12

**DESCRIPTION:** A 100% natural, versatile, sunflower-based and anionic O/W emulsifier. It is cold processable and can emulsify up to 30% oil phase. IMWITOR® 375 offers a high flexibility to formulators. It forms already at 1% thin and light emulsions with a soft, velvety touch and creams just by adding co-emulsifier, fatty alcohol and a thickening agent. Moreover, it can be used to formulate other product concepts as nail lacquer remover, self-emulsifying bath oils. IMWITOR® 375 is a true all-rounder.
Co-Emulsifiers

**Product Name:** IMWITOR® 948
**INCI:** Glyceryl Oleate
**Typical Dosage:** 1.0–3.0
**HLB:** 3
**DESCRIPTION:** IMWITOR® 948 is a versatile non-ionic co-emulsifier with a monoester content of 32–52% that can be used in W/O and O/W emulsions. Glyceryl Oleate improves penetration of emollients into the stratum corneum and enhances skin elasticity. Used in body washes, Glyceryl Oleate reduces skin roughness caused by surfactants. Glyceryl oleate is also part of human hair lipids. Once adsorbed by the hair, it reduces roughness, thus decreasing combing force of wet hair and enhancing hair gloss.

**Product Name:** IMWITOR® 928
**INCI:** Glyceryl Cocoate
**Typical Dosage:** 1.0–3.0
**HLB:** 3–4
**DESCRIPTION:** IMWITOR® 928 is a co-emulsifier for O/W systems, which shows only slight impact on viscosity increase. Therefore, it is suitable to stabilize low viscous emulsions e.g. for sprayable applications.

**Product Name:** IMWITOR® 491
**INCI:** Glyceryl Stearate
**Typical Dosage:** 1.0–3.0
**HLB:** 4
**DESCRIPTION:** Glyceryl Stearate is a non-ionic O/W co-emulsifier with a monoester content of minimum 90%. IMWITOR® 491 enhances the consistency of O/W emulsions.

**Product Name:** IMWITOR® 900 K
**INCI:** Glyceryl Stearate
**Typical Dosage:** 1.0–3.0
**HLB:** 4
**DESCRIPTION:** IMWITOR® 900 K is a non-ionic O/W co-emulsifier with a monoester content of 40–55%. It acts as a co-emulsifier and consistency enhancer in O/W emulsions.

Raw material approved by ECOCERT GREENLIFE, compliant with the COSMOS standard.
**Product Name:** IMWITOR® 600  
**INCI:** Polyglyceryl-3 Polyricinoleate  
**Typical Dosage:** 2.0–4.0  
**HLB:** 4  
**DESCRIPTION:** IMWITOR® 600 is a powerful W/O emulsifier that is used to form W/O emulsions with excellent stability even with high water content. It is especially suitable for soft to low viscous W/O emulsions with non-greasy, pleasant skin feel. This food-grade emulsifier can also be used as a wetting agent for pigments, e.g. in color cosmetics.

**Product Name:** IMWITOR® PG3 DIS  
**INCI:** Polyglyceryl-3 Diisostearate  
**Typical Dosage:** 1.0–4.0  
**HLB:** 5  
**DESCRIPTION:** IMWITOR® PG3 DIS is a non-ionic emulsifier for W/O emulsions. In combination with IMWITOR® 600, it forms stable and light emulsions. IMWITOR® PG3 DIS also shows excellent dispersing properties for pigments and inorganic sunscreens.

**Product Name:** IMWITOR® GMIS  
**INCI:** Glyceril Isostearate  
**Typical Dosage:** 1.0–3.0  
**DESCRIPTION:** IMWITOR® GMIS has emulsifying properties for O/W emulsions. The material can be used as a skin-conditioning agent. The 100% natural IMWITOR® GMIS is an excellent film former, too.

Raw material approved by ECOCERT GREENLIFE, compliant with the COSMOS standard.
**SOLUBILIZERS AND SURFACTANTS**

**Product Name: IMWITOR® PG3 C10**

INCI: Polyglyceryl-3 Caprate  
Typical Dosage: 1.0–3.0  
HLB: 13  
DESCRIPTION: IMWITOR® PG3 C10 is an excellent refatting agent and provides a soft skin feel. It helps to increase the viscosity of shampoos or shower gels and to enhance foam properties of rinse-off products. Its mild antimicrobial and deodorizing effect can be used in various formulations.

**Product Name: IMWITOR® PG4 Cocoate**

INCI: Polyglyceryl-4 Cocoate  
Typical Dosage: 1.0–5.0  
HLB: 10–11  
DESCRIPTION: In combination with other surfactants, it can be beneficially incorporated to improve skin feel, mildness, foam characteristics, and to ease the formulation of hydrophobic ingredients like fragrances or oil components. 100% of natural origin, based on vegetable raw materials.

**Product Name: SOFTIGEN® 767**

INCI: PEG-6 Caprylic/Capric Glycerides  
Typical Dosage: 0.5–5.0  
HLB: 14  
DESCRIPTION: With a calculated HLB value of approx. 14, SOFTIGEN® 767 is a good solubilizer for fragrances, essential oils and volatile crystalline substances. Because of its high lipophilic content, it displays a pleasant emolliency on the skin and is recommended as a refatting agent in cosmetic preparations. Its mildness makes it particularly popular for Micellar Waters and other transparent, water-based product concepts. SOFTIGEN® 767 is a very popular mild cleansing agent in wet wipes as well.

**DID YOU KNOW?**

- SOFTIGEN® 767 is one of the most popular surfactants for Micellar Water concepts due to its mildness and refatting effect
- IMWITOR® PG3 C10 has a mild antibacterial effect, thus preventing malodor on the skin
- Wet wipe applications benefit from SOFTIGEN® 767 due to the dual effect of gentle cleansing and noticeable emolliency

Raw material approved by ECOCERT GREENLIFE, compliant with the COSMOS standard.
Antimicrobial, preservative booster

**Product Name:** SOFTISAN® GC8

**INCI:** Glyceryl Caprylate

**DESCRIPTION:** SOFTISAN® GC8 is a highly purified multifunctional ingredient with 88% minimum content of monocaprylate. It can be used in emulsions, surfactant-based or hydroalcoholic formulations. Its versatile properties including antimicrobial activity, re-fatting and wetting performance make it a multifunctional ingredient for a variety of personal care and cosmetic applications. Glyceryl Caprylate is the most widely used natural preservative booster in the world.

**Product Name:** SOFTISAN® GC8 PalmFree

**INCI:** Glyceryl Caprylate

**DESCRIPTION:** SOFTISAN® GC8 PalmFree is a highly purified multifunctional ingredient with 88% minimum content of monocaprylate. It is 100% palm-free and can be used in emulsions, surfactant-based or hydroalcoholic formulations. Its versatile properties including antimicrobial activity, re-fatting and wetting performance make it a multifunctional ingredient for a variety of personal care and cosmetic applications. Glyceryl Caprylate is the most widely used natural preservative booster in the world.

Dispersing Agents

**Product Name:** IMWITOR® 742

**INCI:** Caprylic/Capric Glycerides

**DESCRIPTION:** IMWITOR® 742 is a non-ionic O/W co-emulsifier, which can be used in cosmetic formulations as a dispersant for active ingredients and pigments. Due to its lipophilicity, it can be easily incorporated into oil phases.

DID YOU KNOW?

- SOFTISAN® PG2 C10 is used as a co-emulsifier in O/W emulsions to modify the texture and create a “soft” effect
- SOFTISAN® GC8 and SOFTISAN® GC8 PalmFree increase the efficacy of all known preservative systems

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

**Product Name:** SOFTISAN® conditionHAIR

**INCI:** PCA Glyceryl Oleate

**DESCRIPTION:** A palm-free, vegan hair conditioner and skin moisturizer. It is 100% natural-based and suitable for natural cosmetics. In hair care products, it leads to better combability and works in synergy with hydrophobic materials in order to improve the combability of the hair, just like standard cationics. In skin care applications, due to the presence of pyrrolidone carboxylic acid (PCA), also part of the natural moisturizing factor (NMF), it has a positive influence on the humidity level of the skin and protects the skin barrier by reducing the trans-epidermal water loss (TEWL).

DID YOU KNOW?

- **SOFTISAN® conditionHAIR** offers the highest performance for natural hair conditioning. It is also an excellent skin conditioner through tested film forming.

Film-Forming Agents

**Product Name:** SOFTISAN® 645

**INCI:** Bis-Diglyceryl Polyacyladipate-1

**DESCRIPTION:** SOFTISAN® 645 is a non-animal derived, vegetable-based liquid lanolin oil substitute with high water-binding capacity and good adhesion to the skin. The product is non-occlusive and in comparison to lanolin oil virtually odorless. The excellent skin compatibility is proven and allergic skin reactions are not reported.

**Product Name:** SOFTISAN® 649

**INCI:** Bis-Diglyceryl Polyacyladipate-2

**DESCRIPTION:** A palm-based (available in RSPO MB) and vegan multifunctional ingredient. It has a high water-binding capacity of 200%, is a great film former and helps to improve the skin barrier by reducing trans-epidermal water loss. SOFTISAN® 649 shows the same properties as Lanolin, without affecting the colour and the smell of a formulation in a negative way.

DID YOU KNOW?

- **SOFTISAN® 649** is extensively used in color cosmetics to increase adhesion of pigments to the skin for long-lasting performance.
OLEOGELS, STABILIZING AGENTS

OUR OLEOGEL RANGE PROVIDES A NUMBER OF BENEFITS IN DIFFERENT APPLICATIONS.

These include:
- Emolliency and silky, soft skin feel
- Richer but non-heavy texture due to the dual effect of gentle cleansing and noticeable emolliency

DID YOU KNOW ABOUT THE THIXOTROPIC BEHAVIOR OF OUR OLEOGELS?

- Offers thickening and suspending, but ease of spreading at the same time
- Dispersion aid for sunscreen active ingredients
- Enhancement of formulation stability, particularly at elevated temperatures
- Prevents leaking of oil from waterless formulations (e.g. lipsticks, balms)

Product Name: MIGLYOL® Gel B

INCI: Caprylic/Capric Triglyceride, Stearalkonium Hectorite, Propylene Carbonate
DESCRIPTION: Heat-stable oleogel based on Caprylic/Capric Triglyceride. Because of their high thermal stability, MIGLYOL® Gels are recommended for use as consistency regulators in cosmetic preparations where it is important to maintain viscosity over a wide temperature range. They promote the thermostability of color cosmetics and prevent bleeding and blurring in stick formulations.

Product Name: MIGLYOL® Gel 840 B

INCI: Propylene Glycol Dicaprylate/Dicaprate, Stearalkonium Hectorite, Propylene Carbonate
DESCRIPTION: Heat-stable oleogel based on Propylene Glycol Dicaprylate/Dicaprate. Because of their high thermal stability, MIGLYOL® Gels are recommended for use as consistency regulators in cosmetic preparations where it is important to maintain viscosity over a wide temperature range. They promote the thermostability of color cosmetics and prevent bleeding and blurring in stick formulations.

Product Name: MIGLYOL® Gel T

INCI: Caprylic/Capric Triglyceride, Stearalkonium Bentonite, Propylene Carbonate
DESCRIPTION: Heat-stable oleogel based on Caprylic/Capric Triglyceride. Because of their high thermal stability, MIGLYOL® Gels are recommended for use as consistency regulators in cosmetic preparations where it is important to maintain viscosity over a wide temperature range. They promote the thermostability of color cosmetics and prevent bleeding and blurring in stick formulations.

Product Name: SOFTISAN® Gel

INCI: Propylene Glycol Dicaprylate/Dicaprate, Bis-Diglyceryl Polyacyladipate-1, Stearalkonium Hectorite, Propylene Carbonate
DESCRIPTION: SOFTISAN® Gel has a high water-binding capacity (> 25%) and is an excellent co-emulsifier. It is a popular stabilizer for W/O emulsion concepts that require resistance to temperature stress and a consistency regulator for waterless formulations.

Raw material approved by ECOCERT GREENLIFE, compliant with the COSMOS standard.
SOLID LIPIDS
CONSISTENCY AGENTS

DID YOU KNOW?
- Our solid lipids SOFTISAN® 100, 142 and 154 are used in many color cosmetics applications.
- Coming from our manufacturing plant operating under Pharma GMP standard, the quality of our products is unrivalled.
- SOFTISAN® 100 has become very popular in recent years as the main film-forming agent in shower creams and in-shower body lotion concepts.

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

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<thead>
<tr>
<th>Product Name: SOFTISAN® 100, SOFTISAN® 142</th>
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<tr>
<td>INCIs: Hydrogenated Coco-Glycerides</td>
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<th>Product Name: SOFTISAN® 154</th>
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<td>INCIs: Hydrogenated Palm Oil</td>
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DESCRIPTION: The three SOFTISAN® solid lipid types are very pure, colorless raw materials with a neutral odor and taste. They are characterized by their exceptional hardness at room temperature and their sharp melting range. The small interval between melting and solidification points allows for rapid and economic processing.

Melting range:
- 33.5-35.5 °C (SOFTISAN® 100)
- 42.0-44.0 °C (SOFTISAN® 142)
- 53.0-58.0 °C (SOFTISAN® 154)

They act as viscosity and drop point regulators and improve the solidification process of stick formulations.

The three SOFTISAN® types are also used as 100% vegetable-based alternatives to mineral oil-based Ozokerite.

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<tr>
<th>Product Name: DYNASAN® 114</th>
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<td>INCIs: Trimyristin</td>
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<th>Product Name: DYNASAN® 118</th>
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<td>INCIs: Tristearin</td>
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DESCRIPTION: DYNASAN® microcrystalline triglycerides are used in the cosmetics industry as adjuvants in stick formulations and as crystallization accelerators and seeding agents to improve the solidification process. Furthermore, they can be used in creams and lotions as body-imparting and structure-forming components.
MCTs (Medium-Chain-Triglycerides)

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

**MCTs (Medium-Chain-Triglycerides)**

**Product Names:** WITARIX® MCT 60/40, WITARIX® MCT 60/40 coconut based

**INCI:** Caprylic/Capric Triglyceride

**DESCRIPTION:** This classic emollient is also known as neutral oil because of its pure characteristics based on carefully selected raw materials. The product exhibits excellent skin smoothing properties and can be used to promote skin penetration. Caprylic/Capric Triglycerides are odorless and stable against oxidation. Because of their exceptional stability and versatility, MCT oils are among the most widely used emollients in personal care applications. The totally neutral taste and food-grade status make MCT oil very popular for lip products of all kinds. All qualities available as RSPO MB grade as well.

**Product Name:** WITARIX® MCT 70/30

**INCI:** Caprylic/Capric Triglyceride

**DESCRIPTION:** Type of Medium-Chain Triglyceride (MCT) with a higher amount of C8 fatty acid compared to WITARIX® MCT 60/40.

**Product Names:** WITARIX® MCT C8, WITARIX® MCT C8 pure coconut

**INCI:** Tricaprylin

**DESCRIPTION:** WITARIX® MCT C8 is the redefined version of our bestseller WITARIX® MCT 60/40. It is a 100% vegan, natural and colorless liquid of low viscosity. Due to its high polarity, it is a perfect fit for any kind of sun care and color cosmetic formulations. Tricaprylin is able to disperse and dissolve commonly used UV filters and pigments while still leading to a good spreadability and pleasant skin feel. Also known as a sensory transformer, its medium spreading properties and the appealing oily and rich feel (just like MCT) turn into a very light, non-oily skin feel with striking silkiness and smoothness after absorption. Available in RSPO MB quality and as a palm-free version (pure coconut).

**Product Name:** MIGLYOL® T-C7

**INCI:** Triheptanoin

**DESCRIPTION:** MIGLYOL® T-C7 is a 100% natural product, based on heptanoic acid derived from castor oil and palm-free. In contrast to other triglycerides, MIGLYOL® T-C7 leaves a light, gently lubricating and velvety skin sensation. Due to its shorter chain length, this triglyceride has an increased polarity and shows excellent dispersing and dissolving properties for pigments and UV filters. The low viscosity makes it particularly suitable for use in wet wipe lotions.
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<td>SOFTISAN® 649</td>
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<td>SOFTISAN® GC8, SOFTISAN® GC8 PalmFree</td>
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### REGISTER OF INCI NAMES

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<td>WITARIX® MCT C8, WITARIX® MCT C8 pure coconut</td>
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<td>SOFTGEN® PURA</td>
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</tbody>
</table>
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