SYENSQO

HARKE
UK & Ireland

# Texture by design

**INGREDIENTS FOR CREATING EXCEPTIONAL SENSORIAL EXPERIENCE**

HARKE UK & Ireland - Stand 305



BEAUTY CARE
Nov 2026

# Textures

- Once consumers have explored the fragrance of a product, texture is usually next
- It's subjective but can really make or break the experience of a product
- Today we'll explore some ingredients that could help make all the difference to your formulations when it comes to texture…



# How else can we influence textures?

- Tweaking emulsifier package
- Utilising alternative rheology modifier
- Changing the base of our formulations (the oil phase)



# CLASSICAL O/W EMULSION



Water: ~40-85%

**Oily phase:** ~10-50%

**Emulsifier:** ~1-5%

**Stabilizer/thickener:** ~0.2-3%

**Actives:** ~0.5-5%

**Texturizing agent:** ~0-1%

Preservatives: ~0-1%

Fragrance: ~0-1%

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Skin Care products

# PORTFOLIO

## SENSORY INGREDIENTS

### RHEOLOGY MODIFIERS

AQUEOUS:

- **Rheozan® SH**
  *Succinoglycan*
- **Naternal™ Guar Gum P SGI**
  *Cyamopsis Tetragonoloba (Guar) Gum*
- **Rheomer® SC Plus**
  *Acrylates/Beheneth-25 Methacrylate Copolymer*

OILS:

- **Oleogy™ LDXP, HDXP and HDXP KL**
  *Dextrin Palmitate*
- **Oleogy™ LEOT**
  *Octyldodecanol, Dibutyl Ethylhexanoyl Glutamide, Dibutyl Lauroyl Glutamide*

### GREEN EMULSIFIERS

- **Mirataine® OMG MB**
  *Cetyl Betaine, Glycerin*
- **Mirasoft® SL A60**
  *Glycolipids*

### EMOLLIENTS

- **Dermalcare® Velvet MB**
  *Glyceryl Trihydroxystearin/ Adipic Acid Copolymer & Caprylic/Capric Triglyceride*
- **Dermalcare® VG Squalane**
  *Squalane*
- **Dermalcare® LIA MB**
  *Isoamyl Laurate*
- **Dermalcare® AD203**
  *Diisopropyl Adipate*
- **Dermalcare® A99 LW**
  *Isononyl Isononanoate*

### NATURAL SUSPENDING AGENT

- **Rheozan® BLC W**
  *Water, Cellulose, Cellulose Gum, Glycerin, Sodium Benzoate*

### TEXTURIZING AGENT

- **Textify™ LALY**
  *Lauroyl Lysine*

## SPECIALTY ACTIVE INGREDIENTS

### MOISTURIZING, SKIN REPAIR

- **Cerafy™ Pure NPo**
  *Ceramide NP*
- **Cerafy™ Mix Repair**
  *Ceramides NP, AP, Phytosphingosine*

### SKIN RESILIENCE, ANTI-AGING

- **Cerafy™ Clear NP Boost**
  *Ceramide NP-loaded liposomes with biocompatible polymer*

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# FOCUS

## ON SYENSQO'S PORTFOLIO

### The Active ingredients



**Cerafy™** range for a ceramide boost & barrier protection

### The Oil rheology modifiers



**Oleogy™** range for convenient, innovative formats & new textures

### The Emollients



**Dermalcare®** range for superior sensory & consumer acceptance

### The Texturizing agents



**Textify™** range to improve textures & sensorial experiences

### The Aqueous rheology modifiers



**Rheozan® & Naternal™** ranges for stability & premium aesthetics

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The Active ingredients

# CERAFY™ range

PURE BIOMIMETIC CERAMIDES
FOR STRONGER SKIN BARRIER



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# Skin structure

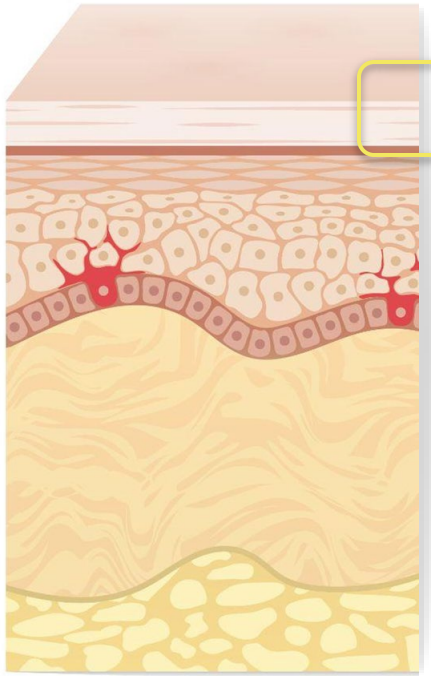
## 3 main layers

The skin is our body's largest organ and serves as a **critical barrier** and **sensory interface** with the environment. It's composed of three layers:

**EPIDERMIS**
The protective outer layer

**DERMIS**
The supportive middle layer

**HYPODERMIS**
The deeper layer for insulation & energy storage



FOCUS ON
## The *Stratum Corneum*

The *stratum corneum*, is the outermost layer of the epidermis, is essential for skin health and has two main roles: **locking moisture inside** and **protecting from external aggressions**.

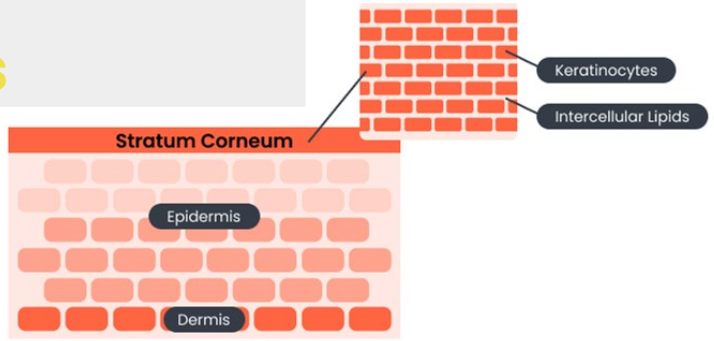
This layer, resembling a **"brick wall"** structure, consists of corneocytes (dead keratinocytes) and a intercellular lipid matrix that is composed of:

**50%** CERAMIDES

**25%** Cholesterol

**10-20%** Fatty acids

**Ceramides** account for about **50%**



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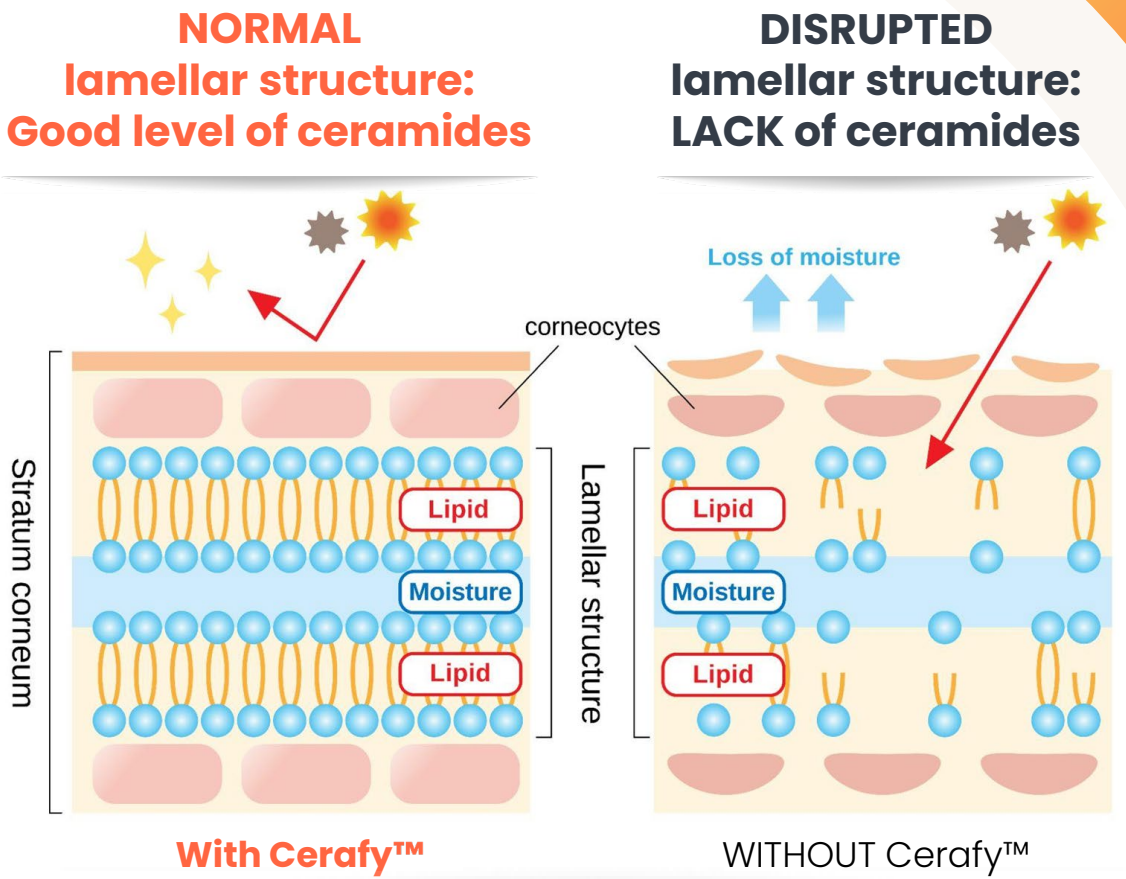
# The key role of *Stratum corneum*

KEY ROLE

**Skin barrier function**: it protects the skin from the invasion of foreign materials and from skin dryness.

- **Ceramides** are the most important constituents of the *Stratum corneum*.
- **Ceramides** play a **vital role** as the "cement" (glue) holding the "bricks" (cells) together, as the mortar maintaining bricks in a wall, for a strong barrier function.
- **Ceramides:**
  - **replenish** the skin barrier,
  - **maintain** barrier homeostasis (supporting skin natural renewal process and immune functions),
  - **help** lock the moisture inside the skin,
  - **protect** the skin and **enhance** its appearance.




A **HEALTHY skin barrier** helps
**seal in moisture** & **seal out harmful elements**.



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DISCOVER

# Cerafy™ range



## Cerafy™ Pure NPo

INCI: Ceramide NP

- Ceramide from biotechnology (non-GMO).
- **100% biomimetic ceramide NP (3)**, natural component of the *Stratum corneum*.
- **Oil soluble**.
- Hero ingredient answering the need for dermocosmetics and **strong efficacy**.
- Replenishes and **restores the skin barrier**.
- Improves the skin hydration, texture, and appearance.
- Outstanding **performance in moisturizing the skin over short, medium and long term** *(long-lasting skin hydration even 6 days after the end of the treatment)*.
- Use *level*: from 0.1%.

## Cerafy™ Mix Repair

Lipid concentrate combining ceramides (NP (3), AP (6)) and Phytosphingosine

- Ceramides from biotechnology (non-GMO).
- 100% biomimetic ceramides, natural component of the *Stratum corneum*.
- **Water compatible.**
- Liquid, **easy-to-use, cold processable.**
- Supplies key biomimetic lipids to the *Stratum corneum*.
- Enhances skin repair and moisturization and provides a soothing effect (*in vivo* proven vs. placebo).
- Use level: from 2.5%.

## Cerafy™ Clear NP Boost

Ceramide NP-loaded liposomes combined with a biocompatible polymer

- Advanced delivery system of a 100% biomimetic Ceramide NP from **biotechnology** (non-GMO).
- Unique mechanism forming a smart film on the skin, enabling **targeted & sustained ceramide release** deep into the Stratum corneum.
- Superior performance in comparison with pure Ceramide NP.
- Fast & long-lasting effect on **hydration, skin barrier repair, soothing,** and **antioxidant** activity (in vivo and in vitro proven).
- Skin resilient efficacy: **anti-wrinkles effect and skin elasticity boosting** in 14 days (in vivo proven vs. placebo).
- Water soluble transparent liquid, enabling the creation of **transparent water-based** formulations.
- Easy-to-use & **cold processable.**
- Use level: from 2%.



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The Oil
rheology modifiers

# OLEOGY™ range

TAILORED TO STRUCTURE
OILS NATURALLY



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SPOTLIGHT ON

# Oleogy™ DXP range



## Oleogy™ LDXP, HDXP & HDXP KL

INCI: Dextrin Palmitate

- Ideal oil thickeners for **natural formulations**.
- From low to high viscosity **depending on the grade chosen**:

| Oleogy™ LDXP | Oleogy™ HDXP | Oleogy™ HDXP KL |
|---|---|---|
| LOW viscosity, **soft gels** | **HIGH viscosity** gels | VERY HIGH viscosity, **hard gels** |

- Enhance emulsions **stability**.
- Help reducing soaping effect in highly natural formulas.
- **Soft afterfeel**.



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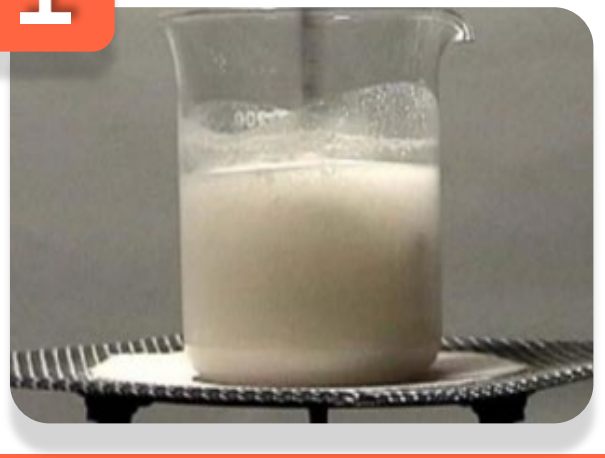
# How to make oily gels

## WITH **OLEOGY™ LDXP/HDXP/HDXP KL**?

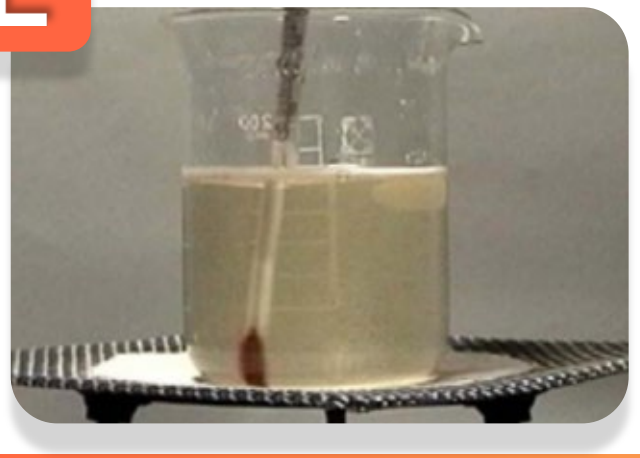



1



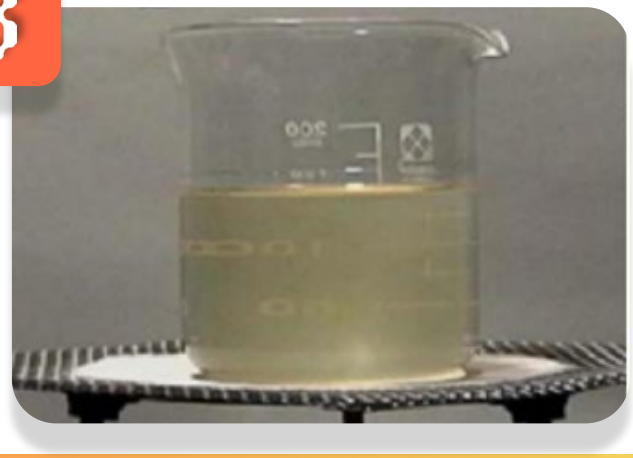
**Disperse** OLEOGY™ (1-15 wt%) **in oils at room temperature** under stirring.

2



**Start heating** (temp. depends on the grade used) and stir to **dissolve** OLEOGY™ (once the mixture is t**ransparent**, OLEOGY™ is completely dissolved).

3



Once OLEOGY™ is completely dissolved, stop heating & start cooling down to room temperature to **create the gel** (stirring during this step will ensure a better suppleness of the final gel).



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DISCOVER

# Oleogy™ LEOT



## Oleogy™ LEOT

INCI: Octyldodecanol, Dibutyl Ethylhexanoyl Glutamide, Dibutyl Lauroyl Glutamide

- Amino-acid derived **oil gelling agent**.
- Ideal pre-formulation solution for **transparent** and **highly natural sticks**.
- Excellent spreading with **no sticky effect**.
- Hard stick with good deposit and **soft afterfeel**.

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The Emollients

# DERMALCARE® range

INDULGE
YOUR SENSES:
A SOLUTION
FOR EVERY TOUCH



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# SENSORY FLOW

CHARACTERISATION

DERMALCARE® RANGE



PICK UP
FIRST TOUCH



APPLICATION



AFTER FEEL



**Dermalcare® LIA MB**
**LIGHT** TOUCH



**Dermalcare® AD 203**
**LIGHT** TOUCH



**Dermalcare® A99 LW**
**SILKY** TOUCH



**Dermalcare® VG SQUALANE**
**ROUND** & **COMFORT** TOUCH



**Dermalcare® VELVET MB**
**LONG-LASTING** COMFORT



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HIGHLIGHT ON

# Dermalcare® LIA MB

The **upcycled green emollient** with **LIGHT touch** unlocking **NEW sensations**!



## Dermalcare® LIA MB

INCI: Isoamyl Laurate

- **100% plant-based** emollient, designed to take **Circular Economy Principles** into account.
- **Green chemistry principles** resulting of a low energy process (**enzymatic reaction of upcycling food wastes**).
- **Alternative to light synthetic emollients**, addressing consumers' concerns about **sustainability**.
- Excellent **solubilizing** properties.
- **Offers light & dry skin feel**, with **excellent spreading**.

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The Emollients

HIGHLIGHT ON

# Dermalcare® range



## Dermalcare® A99 LW

INCI: Isononyl Isononanoate

- Iconic emollient **widely versatile uses**.
- **Silky** touch with l**ight finish**.
- **Improves spreading** of final products.
- **Synthetic**.

## Dermalcare® AD 203

INCI: Diisopropyl Adipate

- Iconic emollient for **pigments dispersion** & **sun filters solubilization**.
- **Soft** & **light, non-greasy finish**.
- **Compatible** with all kind of oils (silicones included).
- **Synthetic**.

## Dermalcare® VG SQUALANE

INCI: Squalane

- **Hero active-emollient** for barrier reinforcement.
- **Soft** & **rounded** touch.
- **Secured supply** (3 vegetable EU sources), made in France.
- **100% bio-based**.

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GET INSPIRED BY

# Dermalcare® VELVET MB



## DERMALCARE® VELVET MB

INCI: Glyceryl Trihydroxystearin/Adipic Acid Copolymer & Caprylic/Capric Triglyceride

- **Innovative, plant-based** polymeric emollient, offering a **superior sensory experience**, combining natural comfort with high performance.
- **Biodegradable Soft Film Former**.
- **Moisturizes** & helps **protect** the skin.
- Delivers **soft, smooth** & **comfortable** feel.

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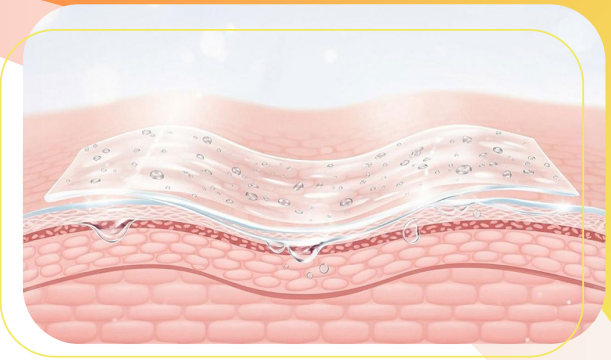
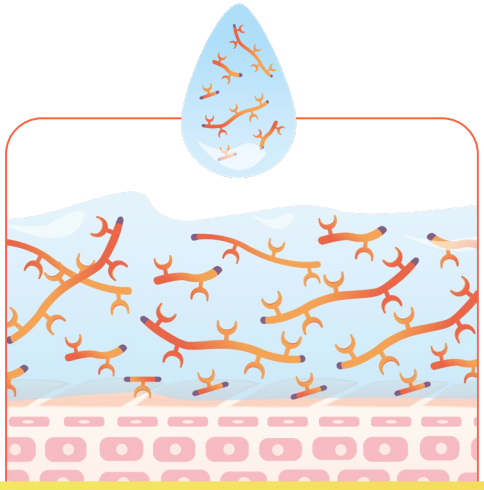
# Dermalcare® Velvet MB

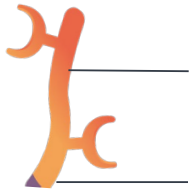
## FOCUS ON **FILM FORMATION**

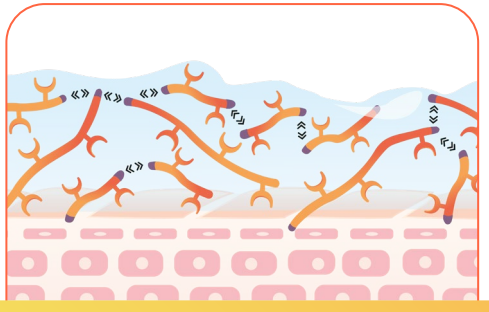




### Formula application

FOCUS ON
**Dermalcare® Velvet MB**:



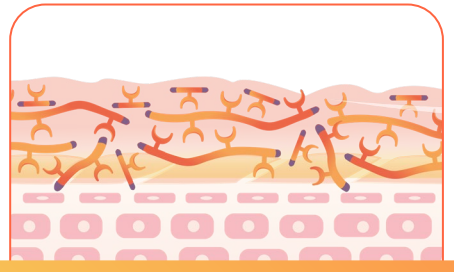



### Adhesion on the skin

› **Favours OPTIMIZED DISPERSION**
thanks to **steric repulsions**



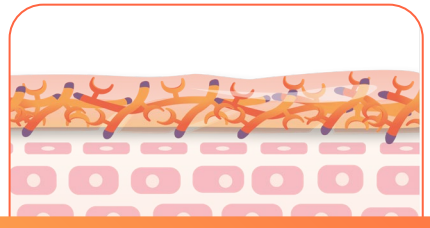
› **EXCELLENT ABILITY to ADHERE TO THE SKIN:**
improving **long-lasting performance** potential.



### Spreadability

› **EMOLLIENT ABSORPTION BY SKIN: Fills** the gaps among skin cells.

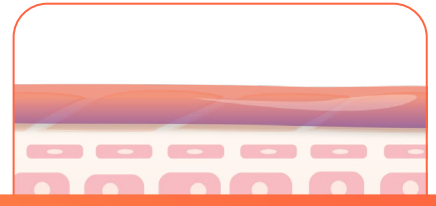
› **FLEXIBILITY of Dermalcare® VELVET MB allows COALESCENCE*:**
**Initial Coalescence*** above the skin.



### Compaction

› **COMPACTION of Dermalcare® VELVET MB chains:**

**Coalescence*** **in progress** above the skin.



### Film-forming

› **Coalescence*** of **Dermalcare® VELVET MB** chains **ends**,

**forming a CONTINUOUS UNIFORM LAYER**



*Coalescence - a.k.a. Isotropic polymer film

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# Sensorial assessment

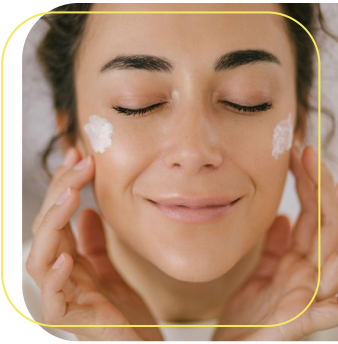
## **Dermalcare® Velvet MB** *vs.* **Lanolin**

PROTOCOL:

• Sensorial assessment by a panel of two formulations following key Sensory descriptors from the product In the jar to the after feel on a scale From 0 to 10.

TESTED FORMULAS with **Lanolin** OR **Dermalcare® VELVET MB**:

- Qsp Water
- 3% Polyacrylamide, C13-14 Isoparaffin, Laureth-7
- **3% Lanolin** *or* **3% Dermalcare® VELVET MB**
- 1% Preservative



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# Dermalcare® VELVET MB

## NATURE'S VELVET TOUCH FOR ULTIMATE COMFORT & CARE



### ACTIVE
EMOLLIENT



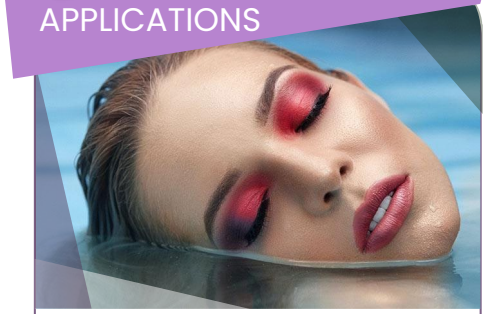
- **FILM FORMING** ACTIVE EMOLLIENT
- **COMFORT & HYDRATION** Leaving the **skin feeling soft, smooth,** and **nourished** (tested ***in-vivo***: corneometry & TEWL)

### NATURAL
LANOLIN REPLACEMENT



- **1-1 REPLACEMENT** to LANOLIN
- PROVEN **EFFICACY** with ***in-vivo*** **testing panel** and with **measurements**

### MAKEUP
APPLICATIONS



- IMPROVED **WATER RESISTANCE** (tested on **foundations**)
- IMPROVED **SPREADABILITY & COLOR VIBRANCY**

### SUN CARE
APPLICATIONS



- **SPF BOOSTING PERFORMANCE** (tested ***in-vitro***)
- IMPROVED **MINERAL FILTERS DISPERSION**



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The

# Texturizing agents

# TEXTIFY™ range

Empower formulations with silkiness sensations



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SPOTLIGHT ON

# Textify™ range



## Textify™ LALY

INCI: Lauroyl Lysine

- Enables a smooth & silky texture.
- Low refractive index imparting a natural & light matte effect.
- Low frictional coefficient: promoting a gliding effect.
- Hydrophobicity: resists to water and sweat, and provides a water-repellency effect.
- Hexagonal particle shape, provides good skin adherence and long-lasting properties.



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01

# Fermentoils

LABIO

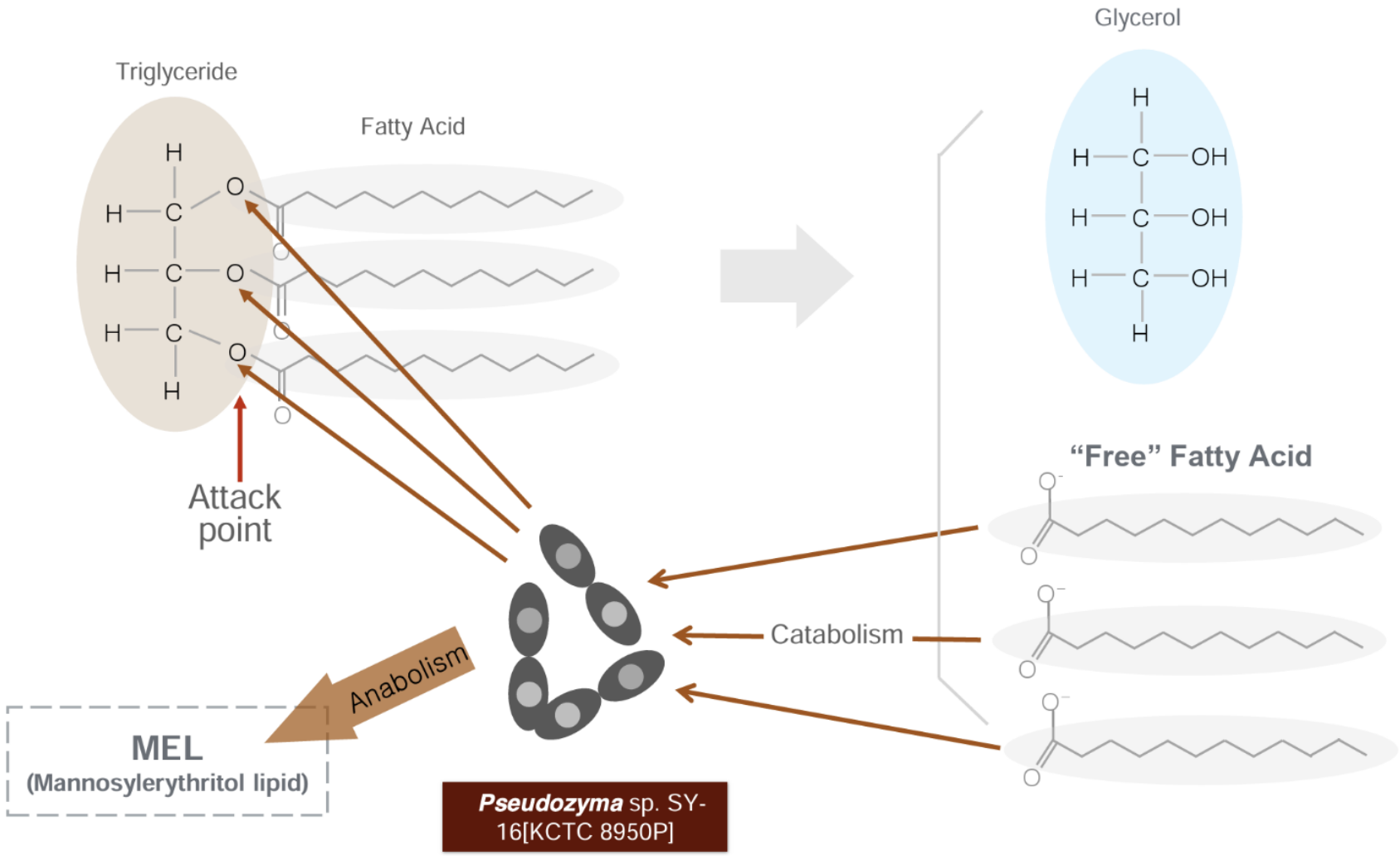


# Fermentoils

- New generation oils to improve your cosmetics derived from the fermentation of natural oils
- Provide improved texture with better efficacy when compared to conventional oils
- Enhance free fatty acid values, which is an essential part of the skin
- Better emulsifying capacities & a non-greasy feeling, while still 100% natural oils



# Fermentation Process of Fermentoil



# Fermentoils

RANGE INCLUDES:

Fermentoil Olive | Fermentoil Argan | Fermentoil Green tea seed | Fermentoil Sunflower seed | Fermentoil Safflower seed | Fermentoil Camellia seed | Fermentoil Avocado | Fermentoil Evening Primrose | Fermentoil Hair Complex





02

# Oilrich® SQ Oils

W. Ulrich GmbH

# Oilrich® SQ Oils

- **SQ Transformation:** A groundbreaking advancement that enhances the sensory profile of vegetable oils without altering their natural composition or INCI name
- **Lightweight feel:** No more heavy or greasy residue
- **Soft, silky texture:** Luxurious skin feel with improved spreadability
- **Instant absorption:** No lingering stickiness, perfect for leave-on applications



# Oilrich® SQ Oils

RANGE INCLUDES:

- Refined Olive Oil
- Oilrich® Argan
- Oilrich® Hair Soft
- Oilrich® KeratinRich
- Oilrich® SQ Spa range
- Niche blends that target specific applications within baby care, hair care and skin care





# 03

# Up-Citrus Rheo

Sinerga

# Up-Citrus Rheo

- Derived from upcycled lemon peel waste, supporting zero-waste beauty
- Enhances viscosity and provides innovative textures, allowing for unique formulations
- Reduces shine, perfect for oily and combination skin
- Blurs fine lines and imperfections, improving skin smoothness
- Can be added in both hot and cold processes, offering formulation flexibility



# Mattifying effect

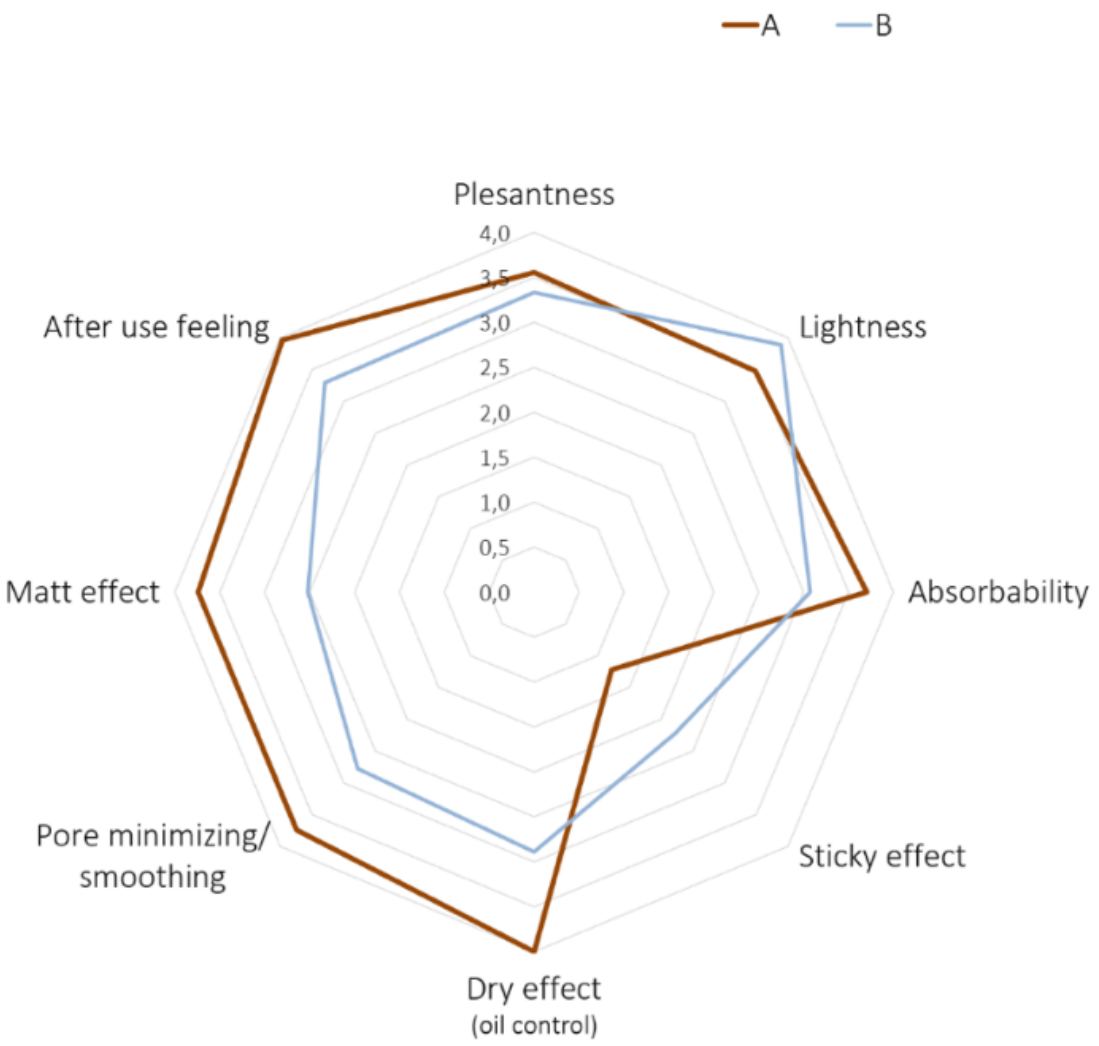
**Sensorial evaluation:**

Single-blind panel test on 30 volunteers to evaluate the sensorial profile of the texture and the mattifying / pore minimizing effect of 2 basic formulations:

**A** – enriched with 2% Up-Citrus Rheo
**B** – same composition but without it.

Where 0 was lowest / least, and 5 was highest / most.

**The results** show that **Up-Citrus Rheo has achieved better scores for almost all parameters**, except for lightness but it is to be accounted that the presence of the rheological agent adds fullness and consistency to the formulation.



# THANK YOU

for your attention

## Find Out More on STAND #305

To discover our **SKIN CARE portfolio**:







HARKE
UK & Ireland

SYENSQO