



Lipoid

Kosmetik



SLM
(Skin Lipid Matrix)

The New Generation of Skin Renovation

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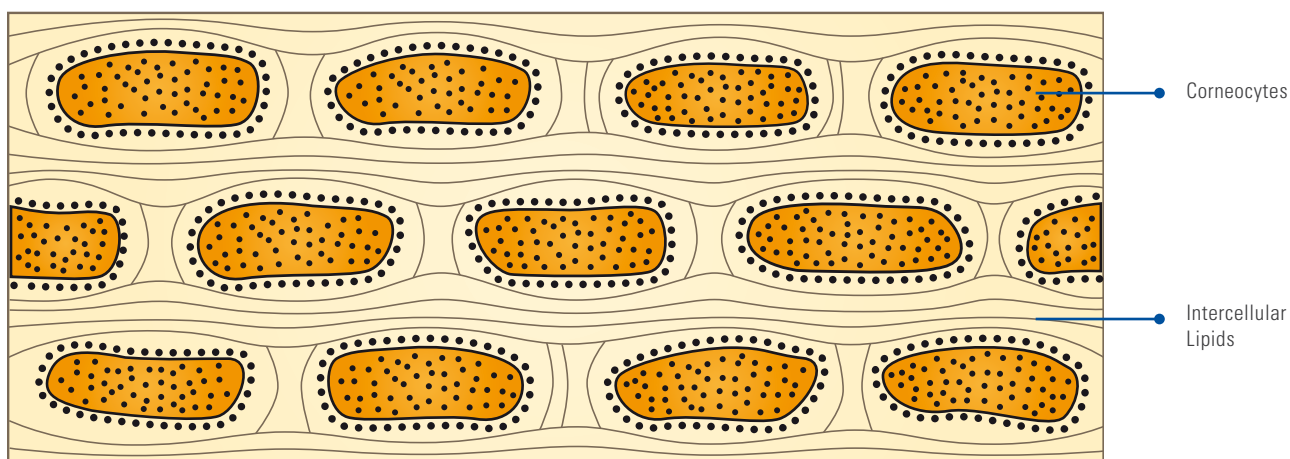
For many years, conventional O/W and W/O emulsions have been the heart of skin care products. However, the classic emulsifiers needed in these products to maintain their stability can also interact with the lipid layers of the stratum corneum. This may cause wash out effects and skin irritations.

Emulsifier-free

The Skin Lipid Matrix (SLM) is a big step forward to minimize these disadvantages. This new kind of base formulations is based on lamellar structure forming ingredients and does not contain any classic emulsifier. The SLM is composed of skin identical lipids that can regenerate and reconstruct the skin barrier.

The excellent skin cell renovator

The stratum corneum, the horny layer of the epidermis, is composed of two parts, the corneocytes and the lipid matrix which fills the space between them. A disruption of the lipid layer, or the simple lack of skin lipids, can create moisture deficiency and dry skin. The SLM acts as an excellent skin renovator by providing new skin lipids.



Base Formulations with Hydrogenated Phosphatidylcholine

Skin Lipid Matrix (SLM):

Viscous Matrix consisting of Lamellar Structures

SLM 2005

SLM with Hydrogenated Phosphatidylcholine and Ethanol

INCI: Water/Aqua, Caprylic/Capric Triglyceride, Alcohol, Hydrogenated Phosphatidylcholine, Glycerin

SLM 2015

SLM with Hydrogenated Phosphatidylcholine and Butylene Glycol

INCI: Water/Aqua, Caprylic/Capric Triglyceride, Butylene Glycol, Hydrogenated Phosphatidylcholine

SLM 2026

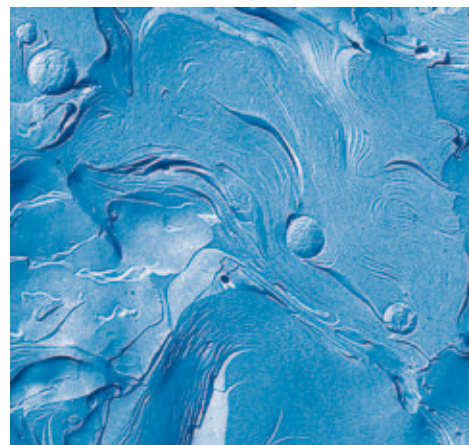
SLM with Hydrogenated Phosphatidylcholine and Pentylene Glycol

INCI: Water/Aqua, Caprylic/Capric Triglyceride, Hydrogenated Phosphatidylcholine, Pentylene Glycol, Glycerin, Butyrospermum Parkii (Shea) Butter, Squalane, Ceramide NP

SLM 2028

SLM with Hydrogenated Phosphatidylcholine and Ethanol

INCI: Water/Aqua, Alcohol, Caprylic/Capric Triglyceride, Hydrogenated Phosphatidylcholine, Butyrospermum Parkii (Shea) Butter, Squalane, Ceramide NP



Frame Formulation

Skin Lipid Matrix "Even Tone" Cream

Based on SLM 2026 and LIPOID Liposome 0307

	Ingredients	INCI	% W/W
A	SLM 2026	Water / Aqua, Caprylic / Capric Triglyceride, Hydrogenated Phosphatidylcholine, Pentylene Glycol, Butyrospermum Parkii, Glycerin, Squalane, Ceramide NP	25.00
B	Water Keltrol CG-SFT Panthenol	Water / Aqua Xanthan Gum Panthenol	39.80 0.10 0.50
C	MCT Jojoba Oil Vitamin E-acetate Tego Carbomer 140	Caprylic / Capric Triglyceride Simmondsia Chinensis Seed Oil Tocopheryl Acetate Carbomer	18.00 6.00 1.00 0.20
D	Glycerol Pentylene Glycol	Glycerin Pentylene Glycol	3.00 3.75
E	NaOH 20%	Sodium Hydroxide	0.15
F	LIPOID Liposome 0307	Water / Aqua, Alcohol, Hydrogenated Phosphatidylcholine, Sodium Ascorbyl Phosphate, Cholesterol	2.50

Manufacturing Process

- 1) Combine ingredients of phase **B** at 40°C and add successively to phase **A** while stirring. Keep temperature at 40°C.
- 2) Combine ingredients of phase **C** and **D** at 40°C and add to batch.
- 3) Homogenize batch intensively with an Ultra-Turrax at 40°C.
- 4) Neutralize batch with **E** whilst stirring.
- 5) Stir to cool down and add **F**. Evacuate. Wait one day for final viscosity.