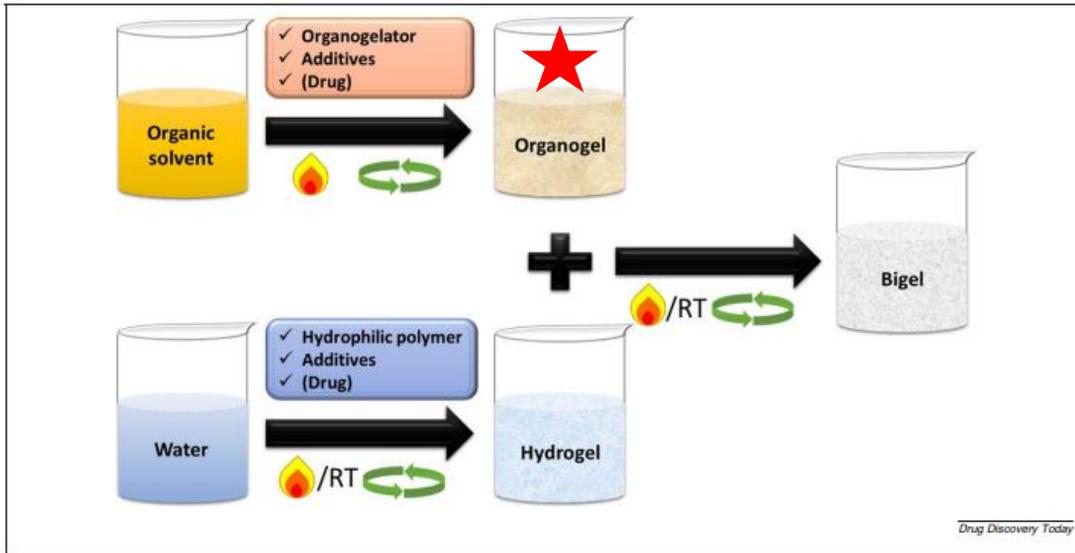


# VS-Organogel LOG1&2

*Organogel technology  
using Lecithin(as GRAS ingredient)*

# 💡 What is organogel ?



The gel formulation includes organogels, hydrogels and bigels (oleo-hydrogels), which are applied to the transdermal drug delivery system.

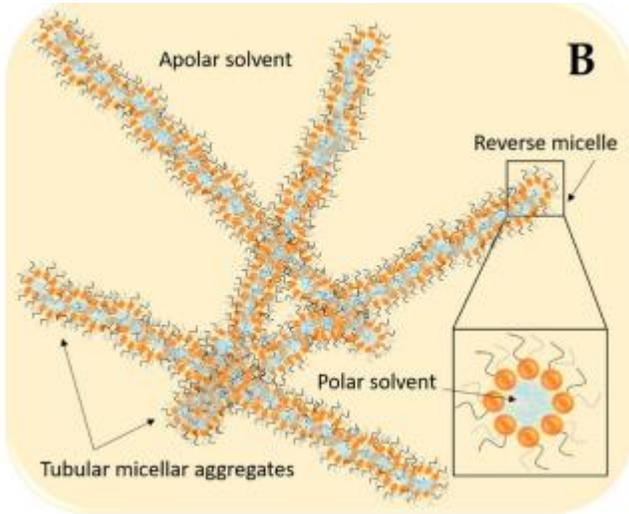
**Organogel** is semi-solid systems in which an organic liquid phase is immobilized by a three-dimensional network composed of low molecular weight or polymeric components.

Recently Organogel have been increasingly interested in cosmetics, pharmaceutical, medical and food industry.

In cosmetics, **Lecithin organogels** turned out to be a topical vehicle of interest, particularly in skin aging treatment(as a active ingredient carrier for efficient skin permeation and distribution).



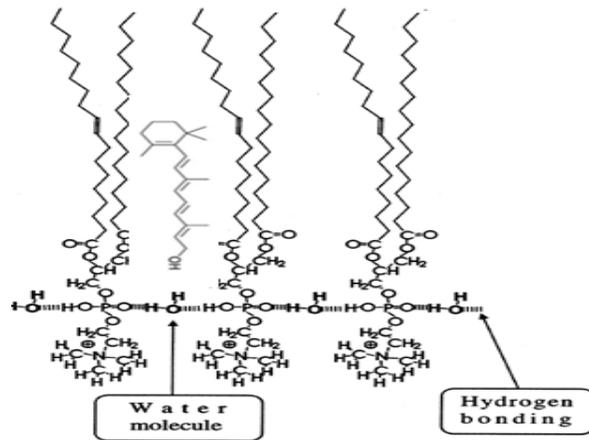
# What is VS-Organogel LOG1 and LOG2?



- Organogel made from Biocompatible Lecithin
- LOGs are clear, thermodynamically stable, viscoelastic and biocompatible jelly-like phases, chiefly composed of hydrated phospholipids and appropriate organic liquid.
- Is made by fluid filled fiber mechanism (by wormlike reverse micelle)

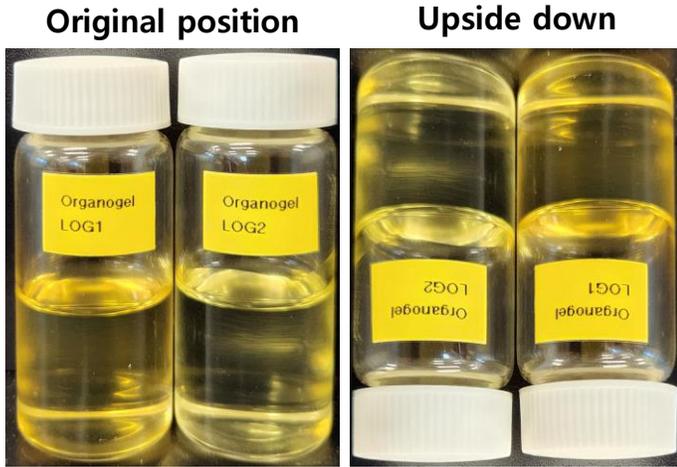
## Features

- Template vehicle \_ incorporation of a wide range of substances
- Structural/physical stability \_ thermodynamically stable for longer time
- Topical delivery potential \_ enhancement of the skin penetration and transport of the molecules (hydrophobic and hydrophilic active ingredients)
- Safety \_ Use of biocompatible, biodegradable and nonimmunogenic materials
- Dual moisturizer \_ Lecithin and Organic liquid films on the skin



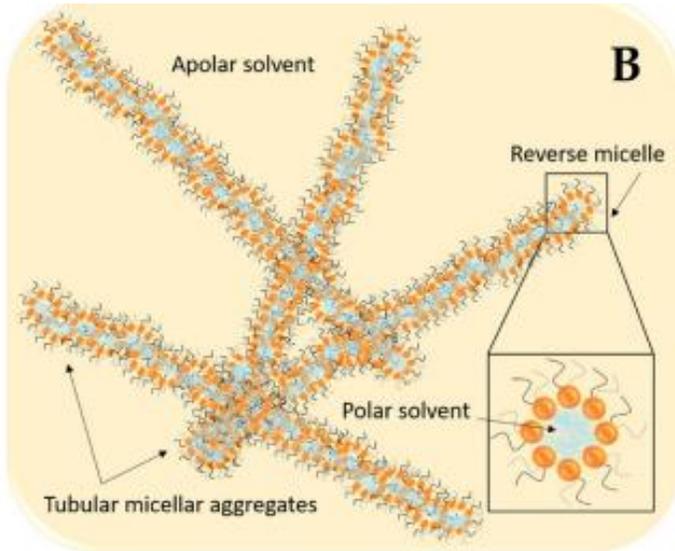


# VS-Organogel LOG1 and LOG2



- LOG1 INCI NAME : C13-15 ALKANE (Plant derived), LECITHIN, WATER
- LOG2 INCI NAME : C13-15 ALKANE (Plant derived), PHOSPHATIDYL CHOLINE, WATER

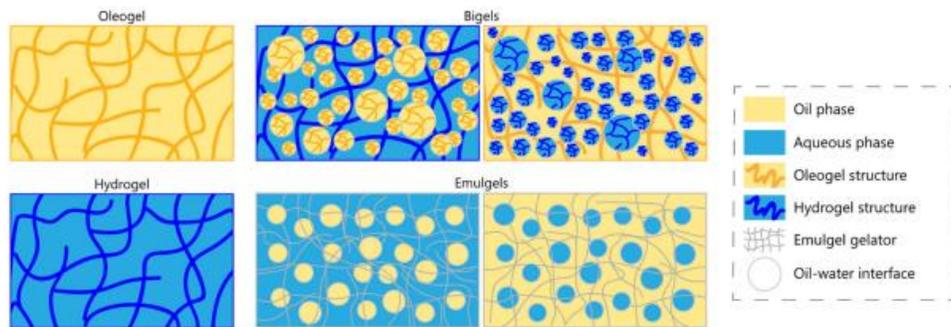
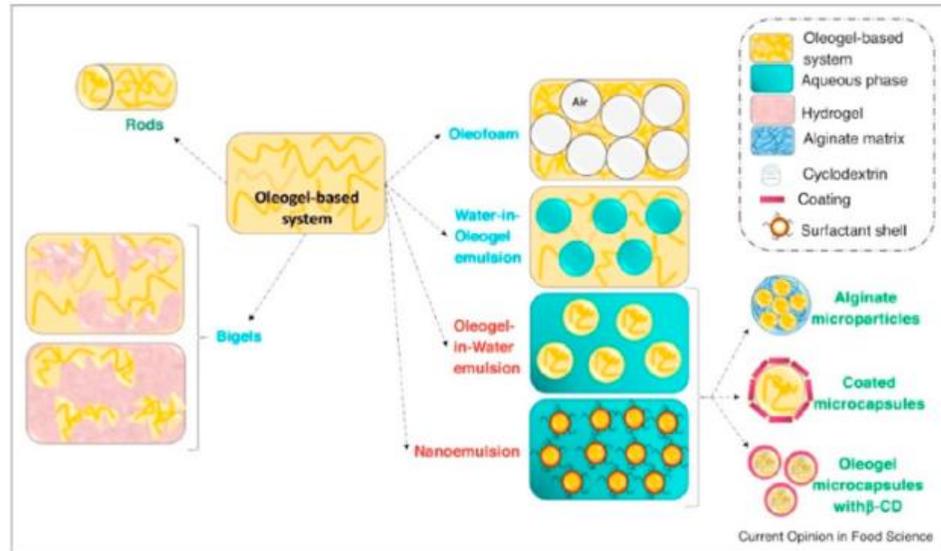
VS-Organogel LOG1 is semi-solid system in which C13-15 alkane(plant derived) is immobilized by a three-dimensional network(hydrogen bonding) composed of polar molecules and phosphate groups of the lecithin molecules using new Organogel Technology



- **EWG GREEN**  
( May 31. 2022)



# VS-Organogel LOG1 and LOG2



## Characteristics

- Excellent Double Moisturizing Effect(O/W or W/O)
- Auxiliary emulsifier(O/W)\_ add a small amount to unstable O/W emulsions
- Texture Modifier(Reduced oiliness in oil, Silky touch on an emulsion)
- High oil loading in O/W emulsion (such as Oleosome)
- Active Ingredients Stabilization(Hydrophobic and hydrophilic Ingredients)
- Can make Bigels

## Application

- Skin Care, Body Care, Make Up



# Guide formulation\_ Face Oil



*Face oils have been used in skin care routines since the days of Cleopatra.*

*Ancient Egyptians used a variety of plant-based oils on their skin to fight wrinkles and preserve their youth.*

*Moisturizing, Rejuvenation, Suppleness , Elasticity, Soothing, anti-aging, more clear and brighter skin, skin trouble treatment*

***But After use, the finish feels oily***



*If Organogel LOG is used, a silky finish feeling without oiliness can be obtained after use.*

***Feel the distinctive difference \_ no greasy, excellent moisturizing effect***



# Guide formulation\_ Face Oil

**Acne face oil ( salicylic acid, capryloyl salicylic acid ), anti-aging face oil(Ferulic acid)**

**No sedimentation in -20 °C or 4 °C (recovery in room temperature)**

**Excellent moisturizing effect, No oiliness**

PART	INGREDIENTS	INCI NAME	EWG	%	%	%
A	MASESTER E6000	Helianthus Annuus (Sunflower) Seed Oil	1	30.00	27.00	27.00
A	SN2050	Camellia Japonica Seed Oil	1	5.00	15.00	15.00
A	SAFFLOWER OIL	Carthamus Tinctorius (Safflower) Seed Oil	1	15.00	5.00	5.00
A	MEADOWFOAM SEED OIL	Limnanthes Alba (Meadowfoam) Seed Oil	1	5.00	3.00	3.00
A	GRAPE SEED OIL	Vitis Vinifera (Grape) Seed Oil	1	5.00		
A	AKOSUN	Helianthus Annuus (Sunflower) Seed Oil	1	3.00	15.00	15.00
A	ORGANIC ARGAN OIL	Argania Spinosa Kernel Oil	1	5.00		
A	JOJOBA OIL	Helianthus Annuus (Sunflower) Seed Oil	1	2.00	10.00	10.00
B	VS-Organogel LOG 1	Lecithin, C13-15 Alkane, Water	2	20.00	20.00	20.00
C	DPG	Dipropylene Glycol	1	4.50	4.50	4.50
C	SALICYLIC ACID	Salicylic Acid	3	0.50	-	-
C	BRILLIAN CSA	Capryloyl Salicylic Acid	1	-	0.50	-
C	FERULIC ACID	Ferulic Acid	2	-	-	0.50
				100.00	100.00	100.00

## Methods

Dissolve the A phase completely.

Add B phase to A phase and mix evenly.

The C phase is heated and uniformly dissolved, and then added to the A+B phase and mixed uniformly.



# Guide formulation\_ Face Oil

**First CERAMIDE FACE OIL – NEW FORMULATION !!**

**No ceramide sedimentation in -20 °C or 4 °C (recovery in room temperature)**

PART	INGREDIENTS	INCI NAME	EWG	%
A	VS-Organogel LOG 1	Lecithin, C13-15 Alkane, Water	2	66.50
B	RISONOL 20SP	Octyldodecanol	1	2.10
B	DS-CERAMIDE 3O	Ceramide NP	1	1.40
C	MASESTER E6000	Caprylic/Capric Triglyceride	1	30.00
				100.00

## Methods

Dissolve the B phase completely by heating it to 85 degrees.

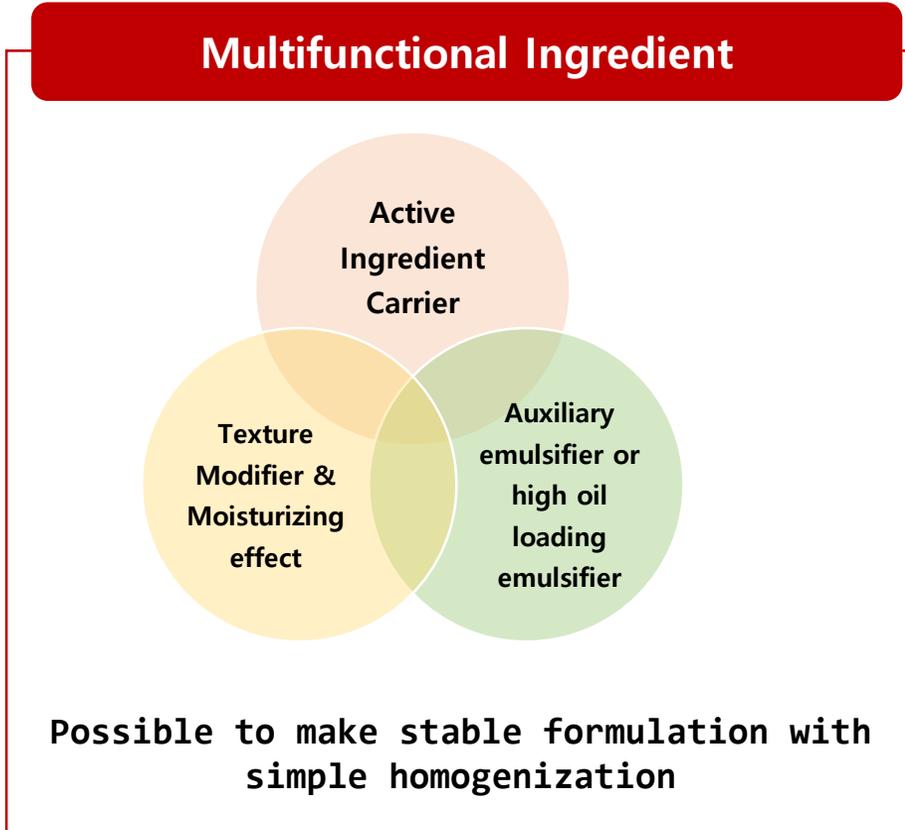
After heating the A phase to 50, add the B phase and mix evenly.

Then, the C phase is added and mixed uniformly.

\* A small amount of organogel LOG1 may result in ceramide sedimentation.



# VS-Organogel LOG1 and LOG2



VS-Organogel LOG1 and LOG2 provide a variety of functions for different formulations

**Try it !!!!**

**Thank you**

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