

Daily Shield Face Mist



O/W Emulsion

Fluidifeel™ Easy, Simulgel INS 100 and Sepimax Zen emulsifier and polymer combination allow to make low viscosity lotion via cold process.

Sakadikium™ is a unique active from the butterfly ginger roots that provides protection against blue light, infra-red, UV, pollution and aging. Put your mist on and go face the daily-stresses!

Formula		
A	Water	80.10%
A	Glycerin	3.00%
A	AQUAXYL™	1.50%
A	Benzyl alcohol & Benzoic acid & Ethylhexylglycerin	1.00%
B	EMOGREEN™ L15	4.00%
B	DUB ZENOAT®*	4.00%
B	Fragrance	0.10%
B	FLUIDIFEEL™ EASY	2.00%
C	SIMULGEL™ INS-100	1.00%
C	SEPIMAX™ ZEN	0.30%
D	SAKADIKIUM™	3.00%

Procedure

300 grams batch

Combine phase A, mix well and adjust to pH 5-5.5. Combine phase B and mix well. Disperse phase C into phase B and mix well. Mixing phase A with saw tooth mixing blade, add phase BC to phase A and mix for 4 minutes and then homogenize the batch for 4 minutes at 4,000 rpm. Add phase D and mix well. Check pH to make it is less than pH 6.

Characteristics

Appearance	Milky mist
pH	5.86
Viscosity 1M at RT	6799 cps Brookfield spindle 64 @ 6 rpm
Viscosity 1M at 45°C	3199 cps Brookfield spindle 64 @ 6 rpm
Viscosity recovery at RT (after 1M at 45°C)	8398 cps Brookfield spindle 64 @ 6 rpm
Stability*	Passed 3 months at RT & 45C; 3 F/T cycles (-5C/+40C)

Raw materials from SEPPIC

AQUAXYL™

Xylitylglucoside & Anhydroxylitol & Xylitol
AQUAXYL, the power of a patented sweetened combination, optimizes the skin's hydrous flow. Its mechanism of action identified by cosmetogenomics, controls water circulation and reserves. "Anti-dehydration shield" action: Aquaxyl reinforces the synthesis of essential lipids and proteins involved in the organisation of the corneus layer.

EMOGREEN™ L19

Alkane C12-15
Emogreen L19 is a range of liquid emollients, readily biodegradable, from vegetable origin (non GMO) that offers an alternative to silicon oils. A unique first refreshing and gliding sensation with a soft afterfeel.

FLUIDIFEEL™ EASY

Lauryl gluconate & Myristyl Gluconate & Polyglyceryl 6 Laurate
The Natural emulsifier for Fast, Sensorial and Fluid formulations. Naturally derived O/W emulsifier for sprayable, fluid or very fluid textures with a light and soft touch.....Emulsifies all types of oils (esters, mineral oil, vegetables, silicones).

SIMULGEL™ INS-100

Hydroxyethylacrylate & Sodium Acryloyldimethyltaurate Copolymer and Isohexadecane and Polysorbate 60
Simulgel INS-100 is a liquid polymer produced by inverse emulsion polymerization. This is a solvent-free, energy efficient manufacturing process technology. Versatile and efficient, it is used to develop from sprayable, extra-liquid to very thick formulas. It created melting textures with a fresh skin feel.

SEPIMAX™ ZEN

Polyacrylate Crosspolymer-6
Sepimax zen is the perfect polymer for building the chassis: of formulations and addressing the challenge of stress-inducing and difficult active ingredients. It forms transparent gels with a velvety, rich and elegant feel. It is versatile and can be used in both skin care and hygiene products.

SAKADIKIUM

Glycerin and Water and Hedychium Coronarium Root Extract
It is a skin multiprotector that improves skin brightness, protects against blue light and pollution. Other benefits include anti-oxidant and "autophagy regulation".

Other raw materials...

Glycerin: From Nature with Love
Benzyl alcohol and benzoic acid and dehydroacetic acid and tocopherol
Euxyl K 903 (Schulke)
Propanediol Dicaprylate: **DUB Zenoat* (Stearinerie Dubois)**
Fragrance: **Lotus Blossom (Givaudan Lavitotte)**

*Distributed in the US by SEPPIC Inc.



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