

Glycolic Acid Serum Gel



AQUAXYL™ strengthen moisture in epidermal tissues.

SEPITONIC™ M3.0 boosts skin oxygenation.

SEPIMAX™ ZEN stabilizes aqueous gels and emulsions even with high electrolytes and stressful actives from pH 2 to 8.



US20099-1806

Formula		
A	D.I. Water	59.6%
B	SEPIMAX™ ZEN	1.5%
C	AQUAXYL™	1.5%
	Glycerin	3.0%
	DUB DIOL*	2.0%
	Sepicide™ LD	0.5%
D	Sepitonic™ M3.0	1.0%
E	Glycolic Acid 70%	24.6%
	Sodium Hydroxide(50%W/W solution) PH to 3.5	6.3%

Procedure

Ross Disperser (For 300 g batch)

Add phase B to phase A under mixing by using a dispersing blade at 500 rpm, then increase speed to 1500 rpm. When phase B is properly swelled and uniformed, add phase C ingredients one by one and continue to mix to obtain a uniform gel; Then add phase D. Combine phase E together and adjust the PH to 3.5 then add to the above gel and mix well.

Characteristics	
Appearance	Translucent Gel
pH	3.2
Viscosity 1M at RT	3550 cps; Brookfield LV 63 @ 12 rpm
Viscosity 1M at 45°C	1950 cps; Brookfield LV 63 @ 12 rpm
Viscosity recovery at RT (after 1M at 45°C)	3600 cps; Brookfield LV 63 @ 12 rpm
Stability*	Stable at RT/ 45°C and Passed 3 cycle F/T(-5/40°C)

Raw materials from SEPPIC

AQUAXYL™

Xylitylglucoside and Anhydroxylitol and Xylitol
New "AQUACONCEPT " technology : thanks to a harmonization of the skin's hydrous flow, AQUAXYL™ moisturizes and restructures the skin ; (in vitro and in vivo proven efficacy)

SEPIMAX ZEN™

Polyacrylate Crosspolymer-6

Powder polymer with a MAXIMUM resistance to electrolytes . Stable from pH 2 to 8, it enables the creation of formulas with a specific skin feeling: rich, velvety and elegant. It is possible to formulate transparent aqueous gels, cream-gels and emulsions with any kind of active.

SEPITONIC™ M3.0 Magnesium Aspartate and Zinc Gluconate and Copper Gluconate Smart mineral complex, it boosts oxygenation and efficacy of other active ingredient in formulas. **SEPITONIC™ M3** is a cell chrono-energizing and anti-free radical agent designed for hair and skin care. Increasing the cutaneous oxygenation, **SEPITONIC™ M3** is active at any age for vitality, skin aging prevention and protection against stress and pollution.

Sepicide™ LD:Phenoxyethanol (Preservative)

Other raw materials...

Methylpropanediol: DUB DIOL (Dubois)*
Glycolic Acid: GlyAcid 70 HP (CROSSCHEM)
Glycerin: Natural Sourcing, LLC
Sodium Hydroxide: Alfa Aesar

* Distributed by SEPPIC INC.