



O/W Emulsion

The combination of Sepimax Zen, Solagum AX and Montanov L allow to make a stable O/W emulsion with 20.00% salt as a scrub.



AT92501-1910

Formula		
A	Water	61.30%
A	Glycerin	3.00%
A	Benzyl alcohol & Benzoic acid & Dehydroacetic acid & Tocopherol	1.00%
B	NaOH solution qs to 5-5.5	q.s.
C	MONTANOV™ L	3.00%
C	EMOSMART™ V 21	8.00%
C	DUB ESTOLINE®*	1.50%
D	SEPIMAX™ ZEN	1.50%
D	SOLAGUM™ AX	0.50%
E	MICRO ALGUE 80	10.00%
E	SEL GRAIN™	10.00%
E	Fragrance	0.20%

Procedure

Combine phase A and adjust pH with phase B and heat to 85C. Combine phase C and heat to 85C and add phase D and mix well. Combine phase AB and CD and homogenize for 4 minutes at 4,000 rpm. Cool down to 50C and add phase E.

Characteristics

Appearance	Nice scrub feel
pH	5.64
Viscosity 1M at RT	284 e3 Brookfield LV spindle 96; 2.0 rpm
Viscosity 1M at 45°C	251 e3 Brookfield LV spindle 96; 2.0 rpm
Viscosity recovery at RT (after 1M at 45°C)	371 e3 Brookfield LV spindle 96; 2.0 rpm
Stability*	F/T 3 Cycle -5/40C Passed 45C stability 3M.

Raw materials from SEPPIC

MONTANOV™ L

C14-22 alcohols and C12-20 alkyl Glucoside

Montanov L is a non-ionic, liquid crystal emulsifier which produces oil-in-water emulsions. Liquid crystal emulsifiers create a lamellar or bilayered structure that mimics the lipid bilayers in our stratum corneum, which may help actives or lipids from our lotions penetrate our skin easier.

EMOSMART™ V 21

C18-21 Alkane

Emosmart is a range of liquid emollients, readily biodegradable that offers a broad sensory palette from nude skin to extra-comfortable afterfeel.

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.

SOLAGUM™ AX

Acacia Senegal Gum and Xanthan Gum

Solagum AX is a natural thickening-stabilizing texturizing polymer in the form of a non-dusty powder. It dissolves quickly in water to produce non-stringy and non-sticky aqueous gels. It is versatile and can be used in both skin care and hygiene products.

MICRO ALGUE 80

Diatomaceous earth

Its a water soluble product derived from the algae diatom. This natural soft exfoliant is respectful to the environment and its porous nature. It is preservative free and provides gentle and soft skin feel.

SEL GRAIN™

Sea Salt

Its a Sea Salt, used in massage applications on the body and to help reduce stress, exfoliate and revitalize the skin while also increasing metabolism and circulation of the scalp.

Other raw materials...

Benzyl alcohol & Benzoic acid & Dehydroacetic acid & Tocopherol: Euxyl K 903 (Schulke)

Ethylhexyl polyhydroxystearate: DUB ESTOLINE® (Stearinerie Dubois)

Fragrance: "Intensity":Givaudan-Lavirotte

*Distributed in the US by SEPPIC Inc.