

AS40043

# Anti-acne Gel



Translucent smooth gel
Packaging: HPET bottle

 Association of Solagum ™ AX and SEPIMAX™ ZEN permits the stability and viscosity of the formula, and contributes to the skin feeling.
Solagum ™ AX and SEPIMAX™ ZEN works in the extreme pH.



AS40043-1411

Formula			
A	Aqua/Water Tetrasodique EDTA Ethoxydiglycol SEPIMAX™ ZEN Solagum™ AX	Up to 100% 0.05% 2.60% <b>2.20%</b> <b>0.20%</b>	
В	Salicylic Acid Aqua/Water Sodium Hydroxide(25%)	2.00% 3.00% 2.80%	
С	Glycolic acid (70%) Sodium Hydroxide(25%)	15.00% 11.50%	
D	Ethanol Phenoxyethanol and Ethylhexylglycerin Parfum/Fragrance	2.00% 1.00% 0.05%	

## Procedure

## Lab (Silverson-300g)

1. dispersed phase A well.

- 2. prepare phase B and phase C pH to around 4.
- 3. add phase B&C into phase A, mix till uniform with
- deflocculator.
- 4 Add phase D, adjusted pH to 3.8 if necessary.

Characteristics	5
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Appearance	Translucent smooth gel
рН	3.8
Viscosity M1 at RT	13,200 mPa.s Brookfield S3 sp.6
Viscosity 1M at 45°C	11,900 mPa.s Brookfield S3 sp.6
Viscosity recovery at RT (after 1M at 45°C)	13,000 mPa.s Brookfield S3 sp.6
Stability	Stable M3 at RT, 45° C, -18° C, cycles - 5/40° C

# Raw materials from SEPPIC

#### SEPIMAX<sup>™</sup> ZEN

#### Polyacrylate Crosspolymer-6

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

### SOLAGUM™ AX

#### Acacia Senegal Gum and Xanthan Gum

Combination of natural thickening polymers. It allows you to formulate non-stringy translucent gels and can be used with hot or cold process. Ecocert and Natrue approved.

## Other raw materials...

- Ethoxydiglycol:Transcutol CG (Gattefosse)
- Salicylic Acid (Merck)
- Glycolic acid :Glypure L 70 (Dupont)
- Phenoxyethanol and Ethylhexylglycerin:Euxyl PE 9010 (Schülke & Mayr)
- Fragrance (Drom)

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