

SEPPIC

SEPIMAX™ ZEN

Boost your Creativity,
Formulate in Serenity...



Ingredients that inspire

Skin Care & Hygiene

by **SEPIMAX™ ZEN**

- ▶ **Key Performances**
 - Excellent thickener and stabilizer even in very specific conditions
 - Excellent particles suspending properties
 - Stabilizes oils and glycols
 - Creates transparent gels

- ▶ **Regulatory Status**
China: IECIC 2014

- ▶ **Sensory Profile**
Rich, Elegant touch, Velvety after feel

- ▶ **Compatible**
With solvents, surfactants, electrolytes, acidic pH, oxidizing media in gels, AHA's, salicylic acid, mineral filters for make-up and sun care formulations

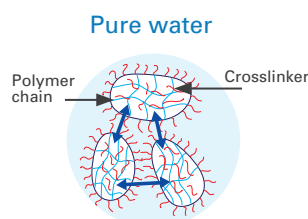
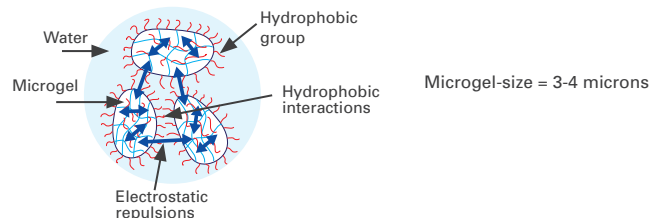
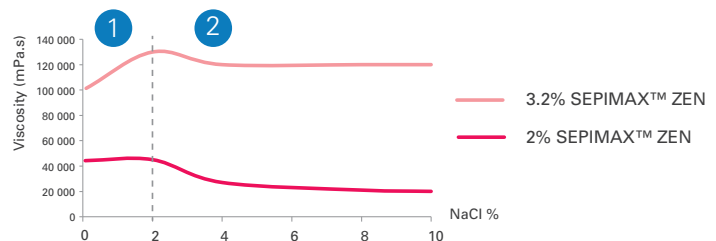
- ▶ **Sustainable Polymer COLD Process**
Introduction in aqueous or oily phase
Concentrated Powder

• Main Functions and Characteristics

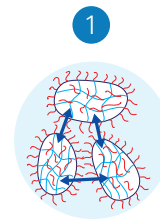
- **INCI name:** Polyacrylate Crosspolymer-6
- **pH range:** 2-8
- **Aspect:** Easy-to-use, pre-neutralized white powder
- **Asset n°1:** High resistance to electrolytes
- **Emulsifier-stabilizer and thickener used from 0.5 to 5%**
- **Suspending properties in Hygiene formulas from 0.15 %**

• Resists Electrolytes!

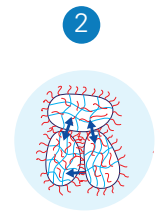
SEPIMAX™ ZEN, your chassis partner, insures the stability of your formulas rich in actives!



- In water, electrostatic repulsions are very strong and they interfere with hydrophobic interactions



- The loss of viscosity is compensated by hydrophobic interactions

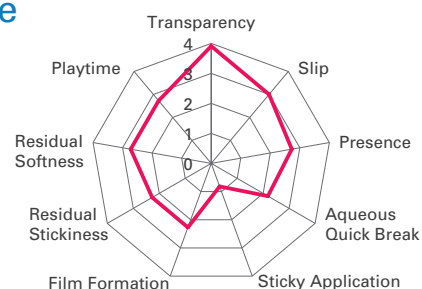


- Hydrophobic interactions partially compensate the loss of viscosity

• Elegant Sensory Profile

Elegant touch
Rich texture, Powdery afterfeel

- EU07096M formula:**
- 2.30% SEPIMAX™ ZEN
 - 5% LANOL™ 99
 - 0.05% Preservatives
 - Qsp 100% Aqua/Water



• Suspend Particles

Efficient even at low viscosity

Beads: 0.15% SEPIMAX™ ZEN, 5% particles (Agar/Alginate) – 1 400mPa.s
Glitters: 0.4% SEPIMAX™ ZEN, 0.1% glitter (Agar/Alginate) – 1 000mPa.s

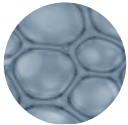
▶ EU07320 - Watch It Happen Transforming BB Cream

A	Aqua/Water	QSP 100%
	Tetrasodium EDTA	0.05%
	SEPIMAT™ SB	1.00%
B	MONTANOV™ 82	3.00%
	LANOL™ 2681	8.00%
	Prunus Armeniaca (Apricot) Kernel Oil	2.00%
	Tocopherol	0.05%
	Dimethicone	1.00%
C	SEPIMAX™ ZEN	0.80%
	SOLAGUM™ AX	0.20%
D	Salicylic acid	0.50%
	Alcohol	2.50%
E	Phenoxyethanol and Ethylhexylglycerin	1.00%
	Fragrance	0.10%
F	Sodium Hydroxide 12%	QSP pH
G	Mannitol & Cellulose & Titanium Dioxide (CI77891) & Iron Oxides (CI77492) & Iron Oxides (CI77491) & Mica & Barium Sulfate & Iron Oxides (CI77499) & Acrylates Copolymer & Silica and Caprylic / Capric Triglyceride & Hydroxypropyl Methylcellulose	2.00%

• Bring Softness to your Foaming Formula

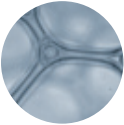
- Thickens anionic and non-ionic surfactants solutions
- Increases foam density and stability
- Texture: soft and creamy foam

Formula with 2% SEPIMAX™ ZEN



Denser foam and finer application

Formula with 1.5% NaCl



Translucent foam

Surfactant

NaLES 12% A.M
AMONYL 380BA 3% A.M
 • Viscosity (Brookfield LV S3 sp6) 10 000 mPa.s
 • Appearance / Foam Stability (SEPPIC Method 57CO058 x100) t 20'
 • Foam sensory evaluation (triangular test) (SEPPIC Method 57CO077)

*Similar results exist at t0 and t10'

Significantly different for 70% of the panel* / Softer foam

• Formulate Gels with Full Transparency!

SEPIMAX™ ZEN brings transparency and a previously unseen sensory upon application in gel formulas:

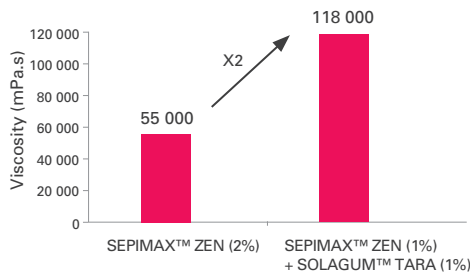
A rich and elegant touch and a velvety afterfeel



• Create Synergies: Surpass your Performance!

Use SEPIMAX™ ZEN in synergy with SOLAGUM™ TARA to thicken your formulas rich in actives!

This association also increases viscosity and improves the cream gel texture by smoothing it!



PATENTED INNOVATION BY SEPPIC

Formula EU07237A: 1% SEPIMAX™ ZEN, 1% SOLAGUM™ TARA, 14.10% Caprylic/Capric Triglyceride, 6.70% C12-15 Alkyl Benzoate, 4.20% Cyclopentasiloxane, 71.85% Maris Aqua (Reconstituted Sea Water -5.8% NaCl), 1% Preservative, 0.05% DL alpha Tocopherol, 0.1% Fragrance

- pH: 5.9
- Viscosity 1M at RT: 118 000 mPa.s S4 sp6
- Stable: at RT, 45°C

• Stabilize Zinc Pyrithione!

▶ AS40040 - ZPT Shampoo

A	Ammonium Laureth Sulfate	12.00%
	Ammonium Lauryl Sulfate	6.00%
	Guar Hydroxypropyltrimonium Chloride	0.25%
	Cocamide MEA	2.00%
	Glycol Distearate	1.50%
	AMONYL™ 675 SB	8.00%
	Aqua/Water	Up to 100%
B	SEPIMAX™ ZEN	0.20%
	Aqua/Water	20.00%
C	FLUIDIPURE™ 8G	2.50%
	SEPICALM™ VG	1.00%
	Amodimethicone & Cetrimonium Chloride & Trideceth-12	0.50%
	Dimethiconol	3.00%
	& TEA-Dodecylbenzenesulfonate	
	ESCULANE	1.00%
D	Preservative	0.15%
	Parfum/Fragrance	0.50%
	ORAMIX™ NS 10	2.00%
	Zinc Pyrithione	2.10%
	Aqua/Water	5.00%

- pH: 6.00
- Viscosity: Brookfield S3 sp6 9 200 mPa.s
- Stability: Stable 1M at RT/ 45°C/ -18°C, cycles -5°C/+40°C

• Shampoo Formulation

- SEPIMAX™ ZEN at 0.2% increases rheological elasticity, stabilizing and giving consistency to the shampoo
- SEPIMAX™ ZEN prevents the product from running during application: shampoo won't sting your eyes anymore!

• Formula Toolbox

Formulation Trick

Synergies to surpass your performance!

Create synergies!

It's up to you: stabilize, make your formulas more original!

SEPPIC[™] **SEPIPLUS[™] S!** can be associated with natural gums (**SOLAGUM[™] TARA**, **SOLAGUM[™] AX**), emulsifiers (**MONTANOV[™] L**) or other polymers (**SEPIPLUS[™] EMT 10**, **SEPIPLUS[™] 400**, **SEPIPLUS[™] S!**)

► Silicone Serum for Tips – EU07315

Polymer Synergy

A	Monopropylene Glycol	30.10%
	Aqua/Water	22.34%
	SEPICAP[™] MP	0.82%
	Hydrolyzed Silk PG-Propyl Methylsilanediol	0.10%
	Crosspolymer & Water	0.01%
	Colorant	
	Phenoxyethanol and Ethylhexylglycerin	1.00%
B	SEPINOV[™] EMT 10	0.50%
	SEPIMAX[™] ZEN	0.50%
C	Cyclopentasiloxane & Dimethiconol	7.19%
	Cyclopentasiloxane	35.95%
	Argania Spinosa Kernel Oil	1.44%
	Parfum/Fragrance	0.05%

► Smooth Skin Delight – EU07260

Slimming Emulsion

A	Aqua/Water	Up to 100%
	Sodium Benzoate	0.30%
	Colorants	0.80%
	MONTANOV[™] L	3.00%
B	Caprylic/Capric Triglyceride	4.00%
	LANOL[™] 99	2.00%
	Dicaprylyl Ether	1.50%
	Phenoxyethanol & Ethylhexylglycerin	1.00%
C	SEPIMAX[™] ZEN	0.40%
	SOLAGUM[™] TARA	0.30%
	ADIPOSLIM[™]	3.00%
D	AQUAXYL[™]	3.00%
	SEPITONIC[™] M3	1.00%
	ADIPOLESS[™]	1.00%
	Parfum/Fragrance	0.08%

► Seppic Fluid Universal Chassis – EU07246

Fluid Emulsion

A	MONTANOV[™] L	1.00%
	SIMULSOL[™] 165	1.00%
	Caprylic/Capric Triglyceride	4.00%
	Neopentyl Glycol Diethylhexanoate	4.00%
	Isostearyl Isostearate	1.50%
	Dimethicone	1.00%
B	Aqua/Water	Up to 100%
	Glycerin	5.00%
	Disodium EDTA	0.10%
	Sodium Hydroxide 12%	Qs pH=5.5-6
C	SEPIMAX[™] ZEN	1.00%
	SOLAGUM[™] AX	0.50%
D	Phenoxyethanol & Ethylhexylglycerin	1.00%
	Parfum/Fragrance	0.03%

► Fix It! Hair Gel – EU07195

Transparent Formula

A	Aqua/Water	Up to 100%
	Polyvinylpyrrolidone	2.00%
	VP/Methacrylamide/ Vinyl Imidazole Copolymer	15.00%
B	Ethanol	20.00%
C	SEPIMAX[™] ZEN	2.00%
D	Dimethicone Copolyol	2.00%
	MONTANOV[™] 20	2.50%
	Parfum/Fragrance	0.30%

Nota:

The analytical specifications warranted are only those mentioned on the certificate of analysis supplied with each delivery of the product.

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Air Liquide Healthcare is a world leader in medical gases, home healthcare, hygiene products and healthcare specialty ingredients. It aims to provide customers in the continuum of care from hospital to home with medical products, specialty ingredients and services that contribute to protecting vulnerable lives.

*SEPPIC being:

SEPPIC S.A.

22 Terrasse Bellini
Paris La Défense
92806 Puteaux cedex - France
Tel. + 33 (0)1 42 91 40 00
info.seppic@airliquide.com

SEPPIC Castres

FRANCE
Tel. + 33 (0)5 63 72 69 69

Head Office

75, quai d'Orsay
75007 Paris
FRANCE

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SEPPIC is a subsidiary
of the AIR LIQUIDE group

SEPPIC Inc.

USA
Tel. + 1 973 882 5597
us.seppic@airliquide.com

SEPPIC Japan Office

JAPAN
Tel. + 81 3 6414 6725
japan.seppic@airliquide.com

SEPPIC Poland Office

POLAND
Tel. + 48 22 690 68 73
poland.seppic@airliquide.com

SEPPIC Italia Srl

ITALY
Tel. + 39 02 38009110
italy.seppic@airliquide.com

SEPPIC Brasil

BRASIL
Tel. + 55 11 3242 3911
brasil.seppic@airliquide.com

SEPPIC Asia Singapore

SINGAPORE
Tel. + 65 6278 6711
singapore.seppic@airliquide.com

SEPPIC Dubai Office

UNITED.ARAB.EMIRATES
Tel. + 971 (4) 2395565
dubai.seppic@airliquide.com

SEPPIC GmbH

GERMANY
Tel. + 49 (0)221-888824-20
germany.seppic@airliquide.com

SEPPIC Colombia SAS

COLOMBIA
Tel. + 571 702 44 48
colombia.seppic@airliquide.com

SEPPIC India

INDIA
Tel. + 91 22 61046464
india.seppic@airliquide.com

SEPPIC China

CHINA
Tel. + 86 (21) 64 66 01 49
china.seppic@airliquide.com

BiotechMarine

FRANCE
Tel. + 33 (0)2 96 95 31 32
contact.biotechmarine@airliquide.com