

SILVANO



SENSORY
AMELIORATION

AESTHETICS
ENHANCEMENT

THICKENING

Rheology Modifiers Hair Styling Polymer

easy to use liquid polymers for crafting aesthetic marvels

Redefining
THE GOLD STANDARD for
thickening & suspension of
surfactant systems with
more than 10% active surfactants

RHEOPOL[®] SN-1

For Excellent Suspending Ability



INCI : **Acrylates Copolymer**

Optimal Dosage : 4-10% As Supplied

SALIENT FEATURES

- Compatibility with almost all commercial non-ionic, anionic and amphoteric surfactants/various additives
- Liquid form for easy use enabling cold processing and lower processing costs
- Effective over a wide pH range-4.0 to 9.0-and provides suspending, stabilizing and thickening benefits through "reverse-acid" formulation as well
- Augments pearlization appearance to improve the visual appeal of pearlizing additives in surfactant-based systems
- Provides effective thickening, desirable flow characteristics, and allows the formulation of high clarity systems of shampoos, body washes, and other cleansing products
- Provides exceptional suspending and stabilizing properties in surfactant-based systems, even low viscosity formulations
- For best transparency along with suspension, formulate at pH 6.5

USE

Personal Care

Body Washes, Hand Soap, Mild Cleansers, Hair Coloring, Anti-aging Product
Facial Cleansers, Intimate Cleansers, Conditioners, Shampoo, Wipes etc...

Home Care

Liq. Laundry Detergent, Dish Wash Liquid, Multi Purpose Cleaner etc...

**Silky Shine
Pearlescent Shampoo**

Ingredients	Parts Per 100
De-ionized Water	39.00
Rheopol® SN-1 polymer	5.00
Sodium Laureth Sulphate (28%)	40.00
Sodium Hydroxide (18%)	q.s. to pH 6.5
Cocamidopropyl Betaine	7.00
Dimethiconol, TEA	3.00
Dodecylbenzene Sulfonate	
Coco diethanolamide	1.00
De-ionized Water	2.00
Mica and Titanium Dioxide	0.20
Phenoxyethanol	1.00
Fragrance	0.30
Citric Acid (50%)	q.s. to pH 5.5

Viscosity: 7000-9000 cP (BF, 25° C, Sp5, 20rpm)



Highly efficient HASE polymer for difficult to thicken surfactant systems & for structuring formulations containing anionic & non-ionic emulsifiers

Particularly effective for refreshing, shear-thinning sprayable gels or emulsions with a wide spray pattern and instant recovery

ACUTHIX™ 25

For Refreshing & Luxurious Sensory

INCI : Acrylates / Beheneth-25

Methacrylate Copolymer

Optimal Dosage: 1-7% As Supplied

Optimal Performance At pH 6.5-10

- Easy to use liquid that allows cold processing
- Excellent clarity in low surfactant systems
- Excellent for low level, sulfate & amide free surfactants
- Synergistic thickening with salt
- Smooth, Honey like flow
- Stabilises high oil loaded body wash emulsions
- For emulsions and Gels :
 - Quick breaking effect
 - pudding texture
 - shape-memory repair

FOR HOME CARE PRODUCTS :

- Good vertical cling, decreased dripping & increased surface contact time
- Less misting, provides superb non-aerosol spray formulations
- Stability at alkaline pH, recommended for laundry liquid



USE

- Body washes & shower gel
- Crystal clear hair care gels
- Hand and body lotions
- Make up cream and lotions
- Sunscreen lotions
- Skin care gels
- 2 component hair dye system
- Hair conditioners
- Hair styling Moisturisers

HOME CARE

Liq. Laundry Detergent
Window & Glass Cleaners
Dish Wash Liquid
Multi Purpose Cleaner
Active Enzyme Gel

Primary Screening Emulsion

Ingredients	Parts Per 100
De-ionised Water	q.s. to 100
Isononyl Isononanoate	15.00
Methyl glucose sesquistearate	0.25
PEG-20 Methyl glucose sesquistearate	0.50
Acuthix™ 25	1.5
NaOH(20%)	q.s. to pH 6.8 to 7.2
Phenoxyethanol	0.30
Fragrance	0.30

Viscosity: 15000-18000 cP (BF, 25°C, 24h, Sp5, 20rpm)

SILVANO

RHEOLOGY MODIFIERS
HAIR STYLING POLYMER

High octane & contemporary
Styling solution for a hassle-free,
Rich & fulfilling consumer experience

RHEOPOL[®] HSP

High Performance Hair Fixative

INCI : **Acrylates Copolymer**

Optimal Dosage : 4-16% As Supplied

Acrylamide / Methacrylamide Free

- Fewer ingredients required
- Liquid polymer : Cold processable, easy to formulate
- Superior humidity resistance
- Offers a Spectrum of stiffness & hold with constant superb rheology
- Protection from pollution and easy removal of pollutants
- Minimal effort required for distribution through hair
- Formulates with brilliant transparency and good pick-up
- Imparts superb shine without stickiness
- Suspend air bubbles and insoluble ingredients
- Rich feel on hands
- Minimal Flaking
- Emulsify emollients and care additives
- Acrylamide / Methacrylamide Free

USE

Styling Products

Clear Hair Gels
Hair Creams
Pudding
Mousses
Pump Sprays
Hair Waxes
Pomade

Transparent
Hair Gel



Smooth Hair Cream

Humidity Resistance
Flaking Resistance
Bending Stiffness
Curl Retention

RHEOPOL[®] HSP >>>
traditional Hair Fixatives

Swift & Solid Hair Gel

Ingredients	Parts Per 100
De-ionised Water	q.s. to 100
Acuthix™ 30	1.5
Rheopol [®] HSP	9.0
Glycerin	1.0
Phenoxyethanol	0.5
Fragrance	0.3
Polysorbate 20	1.5
Aminomethyl propanol	q.s. to pH 6.8 to 7.2
Viscosity: 29000-34000 cP (BF, SP6, RPM20, 25°C)	
Turbidity < 20 NTU	



Acuthix™ 30

For Unbelievable combo of
Structure, Spreadability, Suspension

INCI : **Acrylates/Beheneth-25**

Methacrylate Crosspolymer

Optimal Dosage : 1-9% As Supplied



Gold standard Rheology modifier for Sulfate free and low surfactant formulations with low/medium viscosity that require superb suspension and brilliant transparency at near neutral pH.

Also recommended for Leave-on products like Gel & Lotion due to its novel rheology that imparts flash spreadability, sharp cutoff, high sag resistance, refreshing & quick-transformative sensory.

SALIENT FEATURES

- Easy to use liquid form, cold processable
- Excellent High Shear Thinning
- Multifunctional polymer for Rinse off, leave on and wipe off formulations
- Provides Superb transparency and Suspending ability even with Sulfate free Surfactants
- Luxurious sensory and flow characteristics
- **For Gels :** Brilliant transparency
Superb Suspending ability
Novel structuring with friction free spreadability
Excellent Gel-pickup and Vertical cling that enables rich Consumer experience.
- **For Emulsions :** Acts as co-emulsifier, reduces emulsifier level for stable emulsions
Rich, smooth, refreshing sensory
Able to homogenise insoluble ingredients like Silicones and suspend hydrophobically coated TiO₂, mica.

USE

- Shower gel
- Face wash
- Skin care
- Hair styling
- Moisturizers
- Suncare
- Shaving gel
- Haircare
- Shampoo

Elite Rheology modifier for Sophisticated emulsions & Color Cosmetics with high pigment levels and premium sensory.

Acuthix EC is an alkali-swellable rheology modifier for skin care, sun care, and color cosmetic applications containing pigments. It offers superb rheology and suspension in sophisticated formulations containing high levels of coated and uncoated pigments or particles.

Acuthix™ EC

For Sophisticated Emulsions & High-end Color Cosmetics

INCI : **Acrylates Copolymer**

Optimal Dosage : 1-6% As Supplied



SALIENT FEATURES

- Easy to use liquid
- Cold processable
- Strong stabilization of insoluble ingredients like Silicones, UV filters and Pigments
- Extra-ordinary high pigment loading capacity
- Acts as co-emulsifier
 1. Reduction in level of emulsifiers
 2. Superb emulsion stabilization & suspension above pH 6.5
- Sensory : Soft, Pleasant
- Spreadability : Excellent
- Improved TiO₂ pigment distribution in emulsions leading to superior coverage & better aesthetics

USE

- Sunscreen formulations
- Face care products
- Anti wrinkle/ageing products
- Color Cosmetics
- Body Lotions, Creams, Gels
- Men care-After Shave

Elite rheology modifier for surfactant based formulations with Rich sensory, flow, transparency and suspension at moderately acidic pH (4 to 6).

Rheopol[®] Rich

For Surfactant formulations at Skin-friendly pH

INCI : **Acrylates Copolymer**

Optimal Dosage : 5-10% As Supplied



- Rheopol[®]Rich is an Acrylates Crosspolymer, liquid rheology modifier for high clarity surfactant cleansing formulations at moderately low pH (4 to 6) with ultra smooth flow, viscosity build & suspending of attractive insoluble ingredients like colorful beads & pearlescent agents, and functional ingredients like exfoliating scrubs and various oils.
- Enables formulations with food grade preservatives like Sodium Benzoate
- Enables formulations at skin-friendly physiological pH & 'preservative free' claims in transparent cleansing formulations.

SALIENT FEATURES

- High Shear-Thinning (better than almost all competitors)
- Easy-to-use liquid form, cold processable
- Ultra-smooth flow with Rich sensory
- Enhances Pearlization
- Brilliant transparency in low pH formulations
- Compatible with almost all commercial anionic, non ionic and zwitterionic surfactants
- Allows formulations with natural/food grade preservatives
- Excellent Suspending ability that enables aesthetically and functionally superior formulations
- Rheopol Rich - S : Neat cut-off, Unbelievable Sensory

USE

- Body wash
- Shampoo
- Hand soaps
- Facial cleansers
- Intimate cleansers
- Mild cleansers
- Conditioner
- Anti-aging products
- Wipes

Products Specification	Rheopol [®] Rich - N	Rheopol [®] Rich - S
Spreadability Sensory	Slightly better than Market Benchmark	Unmatchable
Suspension	Comparable to Market Benchmark	Extraordinary
Blue tint	Minimal	Slightly more than Rheopol rich - N

Note : Blue tint is more when formulated with sulfalte free surfactant and at lower pH. It can be masked by using minimal color & colored surfactant.

Shaping Sensory, Stability and Style



SCAN FOR
MORE DETAILS



SILVANO

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