

CHEMISTRY OF TRUST



History

1985
Inception

1989
Expansion

1995
IPO & Listing
of Vikram

1997
Started
DRUGCOAT

2006
New cGMP - compliant
manufacturing facility.

2014
India's First
EXCiPACT Certified
Company

Credentials

Company has state of the art manufacturing facility certified with International EXCiPACT GMP certificate. A combine certificate of IPEC EUROPE and IPEC USA for manufacturing international standard pharma Polymers (EXCIPIENTS). EXCiPACT, Good Manufacturing Practice, ISO 9001:2008 and Halal certificate and many multinational company audit approval enabling pharmacopeial GMP International quality product manufacturing in India. Vikram Thermo (India) Limited filed US-DMF approvals across its product range.



AQUAPOL®

“Transforming formulation
with superior thickening
and gelling.”

AQUAPOL® is a next-generation multifunctional polymer delivering exceptional thickening and gelling performance across cosmetics and pharmaceuticals. Its unique rheology allows formulators to create stable, refined, and consumer-preferred products with ease.

In cosmetics and personal care, texture defines the user experience. AQUAPOL® ensures silky, smooth, and consistent textures in creams, gels, lotions and serums. Its superior suspending and stabilizing capabilities enable uniform dispersion of actives, pigments, and oils, supporting lightweight yet luxurious formulations.



2018

Became Asia's largest manufacturing capacity.

2022

New flagship product launch

2025

Launched advanced R&D initiatives

Mission

Our mission is to be a global leader in excipients, driven by advancement, reliability & expertise. Delivering international quality, cost-effective solutions every time.

Vision

To create excipients that improve lives, safeguard the planet, & leave a lasting impact on communities & industries worldwide.

From high-viscosity creams to transparent gels, AQUAPOL® enhances product aesthetics and performance across skincare, haircare, and beauty applications. Highly efficient at low concentrations and broadly compatible with excipients, it provides robust stability while supporting cost-effective, innovative formulations.



AQUAPOL® SF-1

Effortless clarity,
reliable performance

AQUAPOL® SF-1 (Acrylates Copolymer) is a lightly cross-linked polymer dispersion crafted for high-performance cleansing formulations. This cold-processable anionic, non-associative, alkali-swellaible thickener is supplied as a low-viscosity liquid making it convenient to handle and highly efficient from a manufacturing perspective.

Rapid thickening, effortless handling, and outstanding stability in surfactant-rich systems is offered by 30% active content. Beyond viscosity control, it enhances suspension, flow, and product aesthetics delivering both technical precision and consumer appeal.

Applications

Shampoos: Clear, Pearly, Conditioning
Face Cleansers: Clear, Pearly, Exfoliating
Body Cleansers: Clear, Pearly,
Conditioning, Exfoliating
Others: Liquid hand washes, Bath gels

Advantages:

INCI - Acrylates Copolymer

Non-associative rheology
modifier for precise viscosity
control

Delivers excellent clarity in
transparent formulations

Works synergistically with
surfactants and salts

Easy-to-incorporate liquid
form for streamlined
processing

Effective suspension of
insoluble ingredients
(e.g., silicones, beads)

Compatible with a wide range
of surfactants and cosmetic
solvents

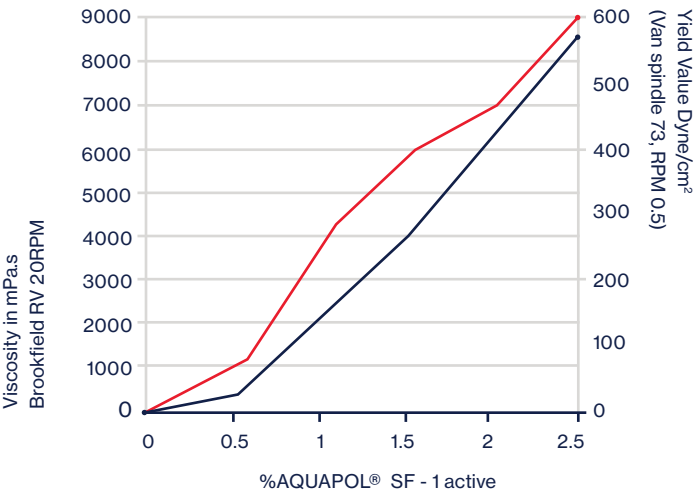
Enhances the visual impact of
pearlizing agents

Consistent performance
across a broad pH range

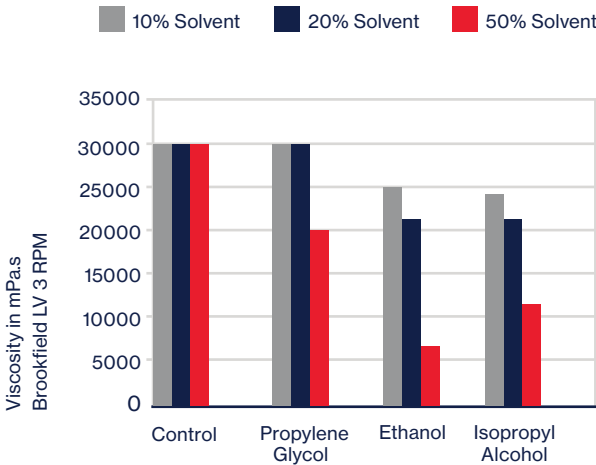
Relationship of concentration to viscosity and yield stress: AQUAPOL® SF-1

The graph highlights the rheological characteristics of AQUAPOL® SF-1 when dispersed in water and neutralized. With increasing concentration, the polymer shows a smooth and consistent enhancement in both viscosity and yield value.

The rise in viscosity ensures a rich, stable texture, while the increase in yield value indicates improved suspension capacity, preventing settling of actives and maintaining product uniformity. Together, these attributes make AQUAPOL® SF-1 a versatile thickening and stabilizing system suitable for a wide range of cleansing and personal care formulations.



pH = 7.0
Neutralizer = NaOH



AQUAPOL® SF - 1(% active) = 1.8%
Preservative = 0.25%
Neutralizer = Sodium Hydroxide
pH = 7.5

AQUAPOL® SF-1 also demonstrates excellent compatibility with common cosmetic solvents. At typical use levels, it sustains stability and rheological performance without compromise.

AQUAPOL® SF-22

Advanced thickening for challenging systems

AQUAPOL® SF-22 (Acrylates/Steareth-20 Methacrylate Copolymer) is a hydrophobically modified alkali-soluble polymer emulsion (HASE) designed for modern formulations. Supplied as a low-viscosity liquid, it is cold-processable and delivers instant thickening upon neutralization. Containing 30% active polymer, it delivers rapid thickening upon neutralization.

Engineered for sulphate free and difficult to thicken systems, AQUAPOL® SF-22 combines robust rheology with superior clarity, flow control, and stability. Its shear-thinning behavior enhances processability.



Applications

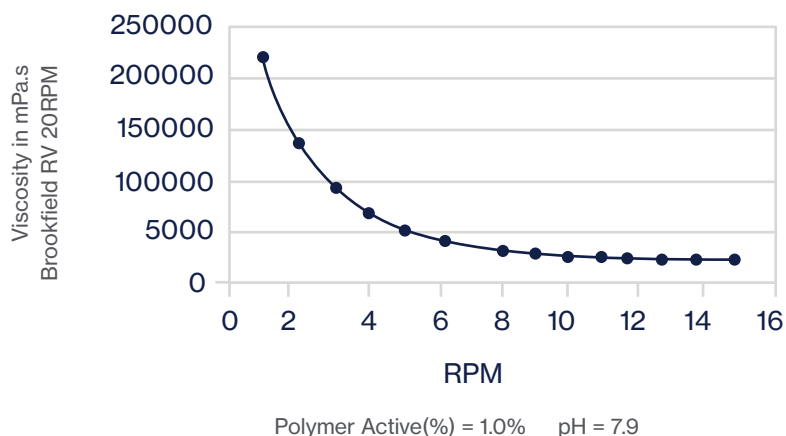
Shampoos, Body and Face Cleansers, Hair Gels, Lotions & Creams, Foaming Washes, Liquid Soaps, Depilatories.



Superior shear-thinning performance : AQUAPOL® SF-22

Upon neutralization, AQUAPOL® SF-22 forms a clear, viscous gel with a smooth texture and no tackiness. The hydrophobic groups anchored to its polymer backbone play a critical role in imparting pronounced shear-thinning properties. These hydrophobic associations are governed by weak van der Waals forces, which easily disengage under applied shear. As a result, the gel structure temporarily loosens, enabling effortless pumping, pouring, or spreading of the formulation even at high zero-shear viscosity levels. enabling effortless pumping, pouring, or spreading even at high viscosities.

Once the shear is removed, the network rapidly rebuilds, restoring thickness and ensuring the formulation remains stable at rest. This reversible response not only improves processability and end-user convenience but also provides excellent stability.



Advantages:

INCI:Acrylates/Steareth-20
Methacrylate Copolymer

Rapid thickening and
cold-process convenience

Excellent clarity and
pseudoplastic flow

Effective suspension and
emulsion stabilization

Foam stabilization with salt
tolerance

Shear resistance with
smooth, non-tacky texture

Enhances mildness in
surfactant systems

Broad pH stability and
solvent compatibility

Clear, pearly appeal with
seamless pumping and
spreading



AQUAPOL® 940

High viscosity, crystal clarity & reliable suspension

AQUAPOL® 940 is a high-quality, crosslinked polyacrylates polymer widely used as a thickening, suspending, and stabilizing agent in personal care, pharmaceutical, and cosmetic formulations. Supplied as fluffy powder, it is easy to disperse in water to form clear, smooth, and highly viscous gels.

Upon neutralization, Carbopol 940 rapidly develops high viscosity while maintaining a non-tacky texture, providing excellent suspension stability and superior rheological control. Its short flow and non-drip properties make it ideal for clear gel, hydro alcoholic gel and cream.

Applications

Hair styling Gel, Hydroalcoholic Gel, Massage Gel, Ultrasound Gel, After shave lotion, Aloe vera Gel, Moisturising Cream, Lotion Facial Cleanser and Body Cleanser.

Advantages:

INCI Name Carbomer

High viscosity at low concentrations

Excellent clarity for transparent systems

Non-drip, short-flow rheology

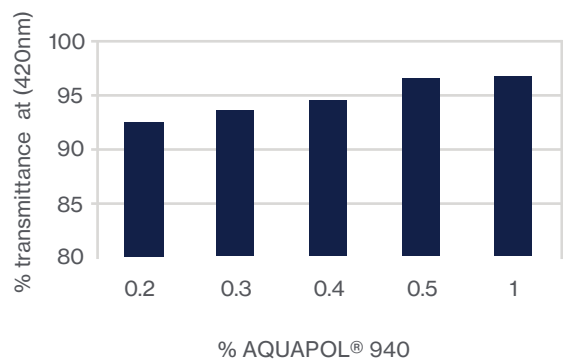
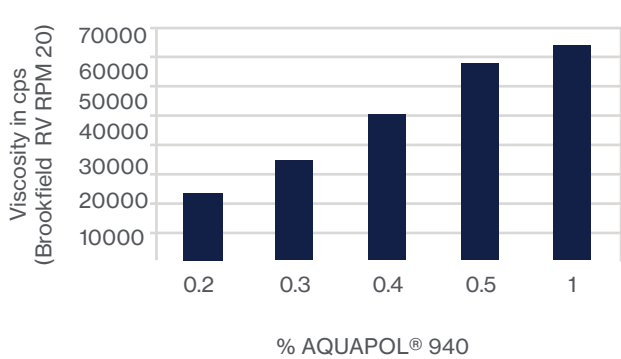
Excellent shelf life

Emulsion stabilizer

Suspending powder

Concentration, viscosity & transparency: AQUAPOL® 940

AQUAPOL® 940 demonstrates concentration-dependent enhancement in both viscosity and transparency. As the concentration increases, both viscosity and clarity improve, allowing formulators to achieve the desired gel thickness while maintaining excellent optical clarity. This dual benefit makes AQUAPOL® 940 ideal for transparent gels and cosmetic formulations where high viscosity and clear appearance are essential.



	SF-1	SF - 22	940
Suspending Power	Excellent	Poor	Excellent
Rheology	Long flow	Long flow	Very Short flow
Clarity	Excellent	Excellent	Excellent
Shear Thinning	Moderate	High	Low
Shelf Life	12 months	18 months	36 months
Physical form	Liquid	Liquid	Powder

A person wearing a white lab coat is shown from the chest up. They are holding a silver spoon in their right hand, which has a thick, translucent blue gel on it. A single drop of the gel is hanging from the tip of the spoon. In their left hand, they are holding a small, clear glass jar filled with the same blue gel. The background is a soft, out-of-focus white.

AQUAPOL®

“Experience our
next-generation
multifunctional
polymer.”

The Vikram Thermo Impact

"Vikram's advance coating technology improved patient adherence which directly translated into accelerated business growth."

- CEO of a Multinational Pharma Company.

Impact on your business

Regulatory confidence by simplified documentation and compliance for approvals and exports.

Predictable supply ensures consistent inventory, reducing emergency sourcing and production delays.

Faster time-to-market by reducing formulation iterations and shortens development cycles.

Lower risk and fewer rejects by minimizing batch failures.

Improved product stability extending shelf life and reduces degradation issues.

Higher patient acceptance by enhancing taste-masking and appearance to improve adherence.

How we deliver value

R&D partnership provides formulation trials and scale-up support in our labs.

Technical service offers on-site trials, process optimization, and tech transfer assistance.

Product range includes ready-to-use systems and custom polymer solutions.

Regulatory pack covers COAs, stability protocols, DMF support, and regulatory documentation.

Reliable manufacturing ensures EXCiPACT GMP, ISO, and HALAL certifications with consistent quality.



Real world result

- | | |
|---------------------------------|--------------------------------|
| ↑ Increased manufacturing yield | ↓ Reduced rework and rejection |
| ↑ Increased savings on cost | ↓ Decreased development time |

How we can help you next

- **Sample & compatibility testing:** We'll run tests & provide a detailed report.
- **ROI projection:** Model savings from switching coatings (yield, time, rejects).
- **Regulatory support:** Prepare complete documentation for export approvals.



The information provided herein, along with any related technical guidance or recommendations, is based on Vikram Thermo (India) Limited's current knowledge, research, and experience. While every effort is made to ensure accuracy, Vikram Thermo assumes no responsibility or liability for the completeness or suitability of such information for specific applications. Vikram Thermo reserves the right to modify, update, or withdraw any information or technical advice without prior notice. No representations or warranties, express or implied, are made regarding the merchantability or fitness of the product for a particular purpose. Under no circumstances shall Vikram Thermo (India) Limited be held liable for any direct, indirect, incidental, or consequential damages (including, without limitation, loss of profits) arising from the use of this information or the products described. It is the user's responsibility to verify the suitability and performance of all products through their own testing and evaluation by qualified professionals. Any references to third-party trade names are provided solely for identification and do not constitute endorsement or imply that equivalent products cannot be used.



Vikram Thermo (India) Limited,
Regd. Office
A/704 - 714, The Capital, Science City Rd,
Ahmedabad - 380060, Gujarat, India.
+91-79-48481010/11/12

www.vikramthermo.com
contact@vikramthermo.com
CIN No: L24296GJ1994PLC021524

CHEMISTRY OF TRUST