



Versagel[®] S

A Breakthrough Translucent Solid Gel
by *penreco*[®]

A Better Way To Formulate



VERSAGEL® S PRODUCT LINE

A Breakthrough Translucent Solid Gel

Versagel® S 1000 is a new nonpolar translucent solid gel that combines the elasticity of a polymer with the crystallinity of a wax. Completely anhydrous, Versagel S 1000 provides sufficient payoff and adequate structure for a solid stick product. The finished product can be left as a translucent product, or colorants can be added if desired.

Versagel S 1000 is based on thermoplastic block copolymer technology, with the addition of an N-acyl amino acid derivative. The block copolymers provide a flexible 3-dimensional gel structure in conjunction with a rigid structure formed by the hydrogen bonding of the amino acid derivative. The finished gel is solid but not brittle, elastic yet moldable, and can be used alone or as a rheological modifier in an existing formula.

RECOMMENDED USAGE

Versagel S 1000 requires a temperature of 115°C to 120°C to be fully molten. Once molten, the gel can be easily blended with the rest of the ingredients in the oil phase of a formula. The gel is compatible with most nonionic surfactants, phenyl trimethicone, cyclomethicone, and other synthetic and natural emollients. Due to the nonpolar and anhydrous nature of the Versagel S 1000, it is recommended that nonpolar or less polar ingredients be added to the gel first.

REGULATORY

All components in Versagel S 1000 are listed in US TSCA inventory and Canadian NDSL inventory. One or more components are listed on EU EINECS; Japanese ENCS.

EXAMPLE APPLICATIONS FOR VERSAGEL S

- Body Lotions
- Make-Up
- Foundations
- Antiperspirant & Deodorant Sticks
- Lipsticks & Lip Balms
- Sun Care Products
- Lip Gloss
- Body Gels

VERSAGEL S TYPICAL PROPERTIES

	VERSAGEL® S 1000
Viscosity Specification 130°C LV #18, 10 rpm (cPs)	35
Visual Inspection (Suspended Particles)	Translucent
Color ASTM D-156	Opaque

INCI NAME

Mineral Oil (and) Ethylene/Propylene/Styrene Copolymer (and) Butylene/Ethylene/Styrene Copolymer.

HANDLING

Versagel S 1000 is available in 360 lb. open head steel drums.

FOR SAMPLES AND MORE INFORMATION CALL: 1-800-245-3952
OR VISIT US ONLINE AT: www.penreco.com/hydrocarbon-gel

penreco

138 Petrolia St., Karns City, PA 16041

Phone: 800-245-3952 or 724-756-0110 Fax: 724-756-1050

Email: penreco@clmt.com Web: www.penreco.com/hydrocarbon-gel

Manufacturing specifications are confirmed upon request.

Product Specifications are subject to change.

All product sales are subject to the applicable terms and conditions.

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