



# Versagel<sup>®</sup> MN

Adds Silkiness and Luxury to Prestige  
Cosmetics by *penreco*<sup>®</sup>

## A Better Way To Formulate



# VERSAGEL<sup>®</sup> MN PRODUCT LINE

## Adds Silkiness and Luxury to Prestige Cosmetics

The Versagel<sup>®</sup> MN series is a line of anhydrous clear gels for application in high-end cosmetics and personal care products. The ester base, isononyl isononanoate, is known to have a distinctive, elegant feel. The Versagel MN products, based on this ester, give formulators even greater versatility in color cosmetics, skin treatment, and other personal care formulations.

The polymer system used in the Versagel MN product line provides additional lubricity and conditioning, while the ester base offers non-greasy emolliency. Due to the polymer matrix in the gel, these materials enable fine particles, such as color pigments, to be readily suspended or dispersed with minimal settling and agglomeration. The Versagel MN products also exhibit good thermal and UV stability.

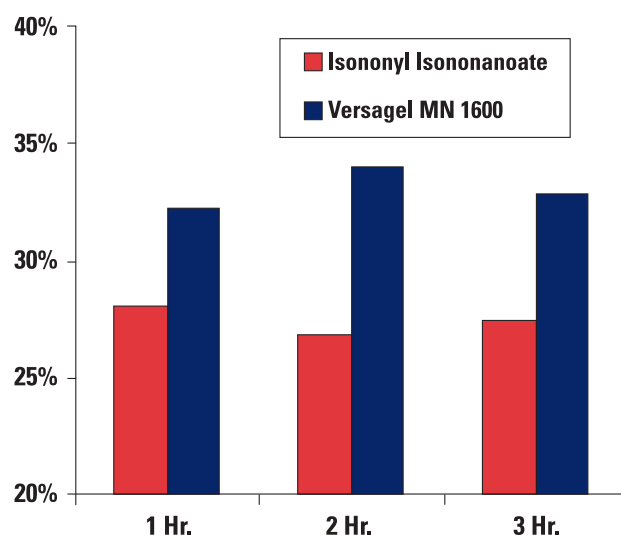
### RECOMMENDED USAGE

Versagel MN gels are highly versatile materials. Depending on the application, the suggested use level may range from 5% to 60%. Versagel MN gels should be blended with the rest of the ingredients in the oil phase of the formulation, while the nonpolar or less polar ingredients are added to the gel first. The gels are compatible with most nonionic surfactants, cyclomethicone, phenyl trimethicone, and other synthetic and natural emollients.

Like the other Versagel products, Versagel MN gels require heating when mixed with other ingredients. However, to avoid discoloration of the ester base, it is highly recommended that heating processes be kept below 100°C, and not for an extended period of time.

### TEWL REDUCTION

Average Percent Improvement From Baseline



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## VERSAGEL MN TYPICAL PROPERTIES

	VERSAGEL® MN 750	VERSAGEL® MN 1600
Viscosity @ 25°C (cps)	130,000	297,000
Specific Gravity @ 25°C	0.85	0.85
Saybolt Color ASTM D-156	+24	+24
Flash Point C ASTM D-92	> 135 °C	> 135 °C

## INCI NAME

Isononyl Isononanoate (and) Ethylene/Propylene/Styrene Copolymer (and) Butylene/Ethylene/Styrene Copolymer

## REGULATORY

Versagel MN products belong to a family of gels which are considered “nontoxic” according to OSHA Hazard Communication Standard, 29 CFR 1910.1200, Appendix A (6), and the Consumer Products Safety Commission, 16CFR 1500.3 (c) (2) (I) (A). All components are listed on US TSCA, Canadian DSL, or NDSL. One or more components are listed on EU EINECS, Japanese ENCS.

## HANDLING

Versagel MN is available in 350 lb. open head steel drums.



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## EXAMPLE APPLICATIONS FOR VERSAGEL MN

- Body Lotions
- Facial Products
- Makeup
- Foundations
- Lipsticks
- Lip Gloss
- Body Gels
- Sun Care Products

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



**penreco**

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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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