



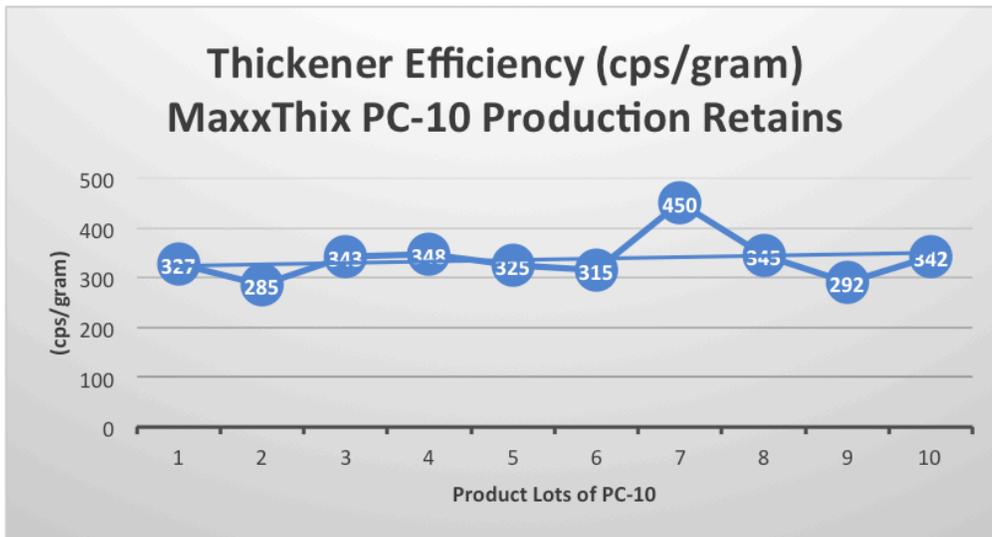
MaxxThix® PC-10 Alkali Swellable Emulsion Thickener for Personal Care

MaxxThix® PC-10 is an Alkali Swellable emulsion thickener designed for use in personal care applications. **MaxxThix PC-10's** high efficiency and short flow makes it ideal for sanitizer, shampoo or conditioner applications. The short flow rheology is best described as buttery, and helps products appear rich and full.

MaxxThix® PC-10 has excellent clarity once the emulsion is neutralized in the final product containing up to 70% alcohol. As the alcohol level increases past 70%, turbidity will increase. Average usage will be between 1-3% depending on the viscosity target and the water concentration of the formula. TEA is commonly used to neutralize the solution, however product can be neutralized with any alkali.

The chart below shows the thickener efficiency of **MaxxThix PC-10** over a range of production batches using the following ethanol based hand sanitizer formula:

Ethanol	Water	H2O2	Glycerin	PC-10	TEA
65%	35%	1%	2%	3%	1.5%



The above hand sanitizer formula with 3% **MaxxThix PC-10** added will typically result in a viscosity range of 800-1200 cps.

INCI Application Number 4-05-2020-10837 ♦ CAS No. 25212-88-8 ♦ Acrylic Copolymer



TYPICAL PROPERTIES

Appearance	Translucent White Emulsion
Non-Volatile Solids	35.0%
1% Viscosity (in water at pH9)	2000-3500 cP
3% Viscosity (in a typical 65% ethanol hand sanitizer formulation)	800-1200 cP
Viscosity (@25°C)	100 cP Max
pH	3.0
Stability of emulsion	>Six months at room temperature

Let MCTRON Technologies raise your expectations.

MCTRON Technologies, LLC Technical Support Team is available to provide assistance with the formulation of all our products to optimally suit your specific needs.

MCTRON Technologies LLC Guarantee

If any product is defective in workmanship or materials, MCTRON Technologies, LLC will replace the product, or refund the full purchase price. This warranty is in place of all other warrants, expressed or implied, and all implied warrants of a product for an intended use shall be solely up to the user. MCTRON Technologies, LLC assumes no liability for consequential damages. Its liability shall in no event exceed the purchase price of materials supplied by it.