



Formulation

Name	PREMIUM ULTRA LIQUID FABRIC SOFTENER USING ACCOSOFT® 550 PG	
No.	996	
Description	This 22%-solids fabric softener is for use in the rinse cycle of the washload. It provides excellent softening and static control, while maintaining the rewet properties of the fabric.	
Formulation	<u>INGREDIENTS:</u>	<u>% by Weight</u>
	ACCOSOFT® 550-PG	25.88
	Calcium Chloride (25% solution)	2.0
	Water	74.12
	Acid (Sulfuric, Hydrochloric or Phosphoric)	as needed
	Preservative	Suppliers recommended dosage
	Total	100.00
Procedure	Charge 38°C / 100°F water. Slowly start adding ACCOSOFT® 550 PG that has been heated to 38°C / 100°F to the water while mixing. Try to add at least 65%-75% of the overall quat. Continue mixing for 30 minutes, allowing quat to disperse into thick cream. Add 1/3 –1/2 of the salt solution to reduce the viscosity of the dispersion. Add remaining quat and allow to mix an additional 30 minutes. Add remaining salt solution to reach desired viscosity. Add Acid to buffer dispersion down to a pH of 2.5-4.0. Add Preservative and any other additives (fragrance, optical brightener, etc.) unless otherwise directed by additive manufacturer. Additional salt may be necessary to reach desired viscosity. Stepan does not recommend adding more than 1%-1.5% active salt to the system.	
Physical Properties	Appearance at 25°C/77°F	Opaque Liquid
	pH, as is	2.5 - 4.0
	Viscosity at 25°C, cps	32
	Solids, %	22.0
	Density, lbs/gal	8.31
Storage/Stability	Viscosity after 5 weeks at 5°C	31
	Viscosity after 5 weeks at 40°C	40
	Dispersion is NOT freeze/thaw stable.	
Instructions for Use	Use 1 oz. in rinse cycle per normal washload.	
	It provides excellent softening and static control while maintaining the rewet properties of the fabric.	
External Comment	The final viscosity of a liquid fabric softener depends upon the temperature, mixing rate, and mix time. Additives and fragrances may affect the final viscosity. Sodium chloride can be used to reduce viscosity. The viscosities listed above are those obtained in the lab.	
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	For applications or product handling assistance, call our Technical Service Department at 1-800-745-7837 (U.S.) or	

For
Additional
Assistance

011-334-76-505-100 (Europe).

For ordering assistance, call our Account Service Department at 1-800-457-7673.

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