



Formulation

Name	FLUID FABRIC SOFTENER WITH 11% ACTIVE BASED ON STEPANTEX® VK-90	
No.	1036	
Description	This fabric softener is for use in the rinse cycle of the wash load. It provides excellent softening and static control while maintaining the rewet properties of the fabric.	
Formulation	INGREDIENTS:	<u>% by Weight</u>
	=== Phase 1 ===	
	Tap Water	50
	STEPANTEX® VK-90	12.2
	Dye	q.s.
	=== Phase 2 ===	
	Tap Water	37.1
	Calcium Chloride (25% aqueous)	0.2
	Fragrance	0.5
	Total	100.0
Procedure	Load Tap Water and Dye from Phase 1 into the reactor and bring them to 50°C. While stirring, add STEPANTEX® VK-90 at 50°C (previously melted and mixed until homogeneous). Stir until the blend (Tap Water and STEPANTEX® VK-90) is homogeneous and has a white, shiny, and smooth appearance. Progressively add water from Phase 2 at 20°C while agitating. Mix until homogeneous. At 35°C, add the Calcium Chloride solution. The blend (Tap Water, STEPANTEX® VK-90, and Calcium Chloride) will become fluid quickly. Continue cooling and add Fragrance at 30°C. Product is ready to be packaged.	
Physical Properties	Appearance at 25°C pH, as is	Opaque liquid 3.0
Storage/Stability	1 month at 50°C 2 months at 40°C	stable stable
Instructions for Use	Add 40 mL to the final rinse.	
External Comment	The viscosity is about 36 mPa.s (viscometer Contraves TV2) and 44 mPa.s (Brookfield RVT M4/V100). The viscosity can be affected by the type and level of fragrance. Note: This operating procedure is used when customers are not equipped with cool-down systems. Formulation is impacted by water hardness.	
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For Additional Assistance	For applications or product handling assistance, call our Technical Service Department at 1-800-745-7837 (U.S.) or 011-334-76-505-100 (Europe). For ordering assistance, call our Account Service Department at 1-800-457-7673. Nothing contained herein grants or extends a license, express or implied, in connection with patents, issued or pending, of the	

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Revision Date: 04/25/2007 Origination Date: 11/24/2004 © 2007, Stepan Company. All rights reserved.