



# Formulation

Name	<b>FLUID FABRIC SOFTENER WITH 5% ACTIVE BASED ON STEPANTEX® DC 90 (COLD PROCESS)</b>	
No.	1021	
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 and can be manufactured without heat.	
Formulation	<u>INGREDIENTS:</u>	<u>% by Weight</u>
	Tap Water	93.4
	HALLSTAR® PEG 600 DO	0.8
	STEPANTEX® DC 90	5.6
	Fragrance	0.2
	Dye	q.s.
	Preservative	q.s.
	<b>Total</b>	<b>100.0</b>
Procedure	Add HALLSTAR® PEG 600 DO to room-temperature tap water and mix until it is a homogeneous blend. Add STEPANTEX® DC 90. Stir until a homogeneous blend is obtained. Add Fragrance, Dye, and Preservative.	
Physical Properties	Appearance at 25°C	Opaque liquid
	pH, as is	3.0 - 3.5
Storage/Stability	1 month at 50°C	stable
	2 months at 40°C	stable
Instructions for Use	Add 90 mL to the final rinse.	
External Comment	Product ready to be packaged with a viscosity of about 50 mPa.s (Contraves TV2 Viscometer). Viscosity and stability can be affected by the type and level of fragrance. Formulation is impacted by water hardness.	
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