



# Formulation

Name	<b>PREMIUM LIQUID LAUNDRY DETERGENT</b>	
No.	1089	
Description	Liquid detergent that provides premium performance for all types of fabric.	
Formulation	<u>INGREDIENTS:</u>	<u>% by Weight</u> <u>Functionality</u>
	Water	61.0 Diluent
	STEPANATE® SXS	10.0 Hydrotrope
	BIO-SOFT® N-300	10.0 Anionic Agent
	BIO-SOFT® EC-600	18.0 Primary Surfactant
	Sodium Carbonate	1.0 Builder
	<b>Total</b>	<b>100.0</b>
Procedure	Charge water and STEPANATE® SXS. With agitation, blend in BIO-SOFT® N-300. Continue mixing and slowly add BIO-SOFT® EC-600. Add Sodium Carbonate and blend until homogeneous.	
Physical Properties	Appearance	Clear colorless liquid
	pH, as is	8–9
	Viscosity, cps at 25°C	125–200
Storage/Stability	Freeze/thaw, 3 cycles	Stable
	1 month at 50°C	Pass
	1 month at 5°C	Pass
	1 month at 25°C	Pass
Instructions for Use	Use 1/2 cup (4 ounces) per standard washload.	
External Comment	Marketing Notes: Product does not contain phosphate, VOCs, or nonyphenol ethoxylates. BIO-SOFT® EC-600 is a naturally-derived alcohol ethoxylate. STEPANATE® SXS is an approved ingredient on <a href="http://www.cleangredients.org">www.cleangredients.org</a> .	
Registered Trademarks of Stepan Company	STEPANATE® BIO-SOFT®	
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 manufacturer or others. The information contained herein is based on the manufacturer's own study and the works of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of fault) to the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information.	



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