



Formulation

Name	HIGH-FOAMING CAR WASH	
No.	34	
Description	A high-foaming based on BIO-SOFT® LD-190 for ease of manufacturing.	
Formulation	<u>INGREDIENTS:</u>	<u>% by Weight</u> <u>Functionality</u>
	Deionized Water	71.0 Diluent
	STEPANATE® SXS	5.0 Hydrotrope
	Triethanolamine	3.0 Builder
	Versene 100	5.0 Chelating Agent
	BIO-SOFT® LD-190	16.0 Primary Surfactant
	Dye	q.s. Additive
	Fragrance	q.s. Additive
	Preservative	q.s. Additive
	Total	100.0
Procedure	Mix ingredients in the order shown above.	
Physical Properties	Appearance at 25°C	Clear liquid
	pH, as is	9–10
	Viscosity at 25°C, cps	100–300
	Solids %	20.0–23.0
	Density, lbs/gal	8.69
	Flash point (PMCC), °F	>201
	VOC (calculated), as is %	0.9
	VOC (calculated), at 1:126 dilution level, %	<0.1
Storage/Stability	4 weeks at 25°C	Stable
	4 weeks at 40°C	Stable
	4 weeks at 50°C	Stable
	Freeze/thaw, 10 cycles	Pass
Instructions for Use	Dilute formulation 1/4 ounce to 1 ounce per 2 gallons (1:256) in water.	
External Comment	Marketing Notes: When used at Stepan's recommended dilution level of 1:100, this formulation is VOC-compliant with U.S. Federal and California Air Resource Board (CARB) Consumer Products regulation for non-aerosol, motor vehicle wash (0.2% VOC limit as of December 31, 2012). STEPANATE® SXS is an approved ingredient on www.cleangredients.org .	
Registered Trademarks of Stepan Company	STEPANATE® BIO-SOFT®	
For Additional	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).	

Assistance

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

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