



Formulation

Name	PREMIUM, CONSUMER CAR WASH CONCENTRATE	
No.	89	
Description	This formulation is for use by the consumer and provides a large amount of stable foam.	
Formulation	<u>INGREDIENTS:</u>	<u>% by Weight</u> <u>Functionality</u>
	Deionized Water	q.s. to 100.0 Diluent
	BIO-TERGE® AS-40	15.0 Primary Surfactant
	NINOL® 40-CO	4.0 Secondary Surfactant
	STEOL® CS-460	10.0 Secondary Surfactant
	Sodium Chloride	2.5 Thickener
	Preservative	q.s. Additive
	Dye	q.s. Additive
	Total	100.0
Procedure	1. Charge tank with water. 2. Add ingredients in the order given while mixing.	
Physical Properties	Appearance at 25°C	Clear yellow liquid
	Viscosity at 25°C, cps	800
	pH, as is	9.0–10.0
	Solids, %	17.5–19.5
	Density, lbs/gal	8.58
	VOC (calculated) as is, %	1.5
	VOC (calculated) at 1:128 dilution level, %	0.01%
Storage/Stability	1 month at 4°C	Stable
	1 month at 25°C	Stable
	1 month at 50°C	Stable
	Freeze/Thaw, 10 cycles	Stable
Instructions for Use	Dilute 1 ounce to 1 gallon of water (1:128). Mix and apply using a sponge. Rinse and dry the car surface.	
External Comment	Marketing Notes: When used at Stepan's recommended dilution level of 1:128, 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). This formulation does not contain Nonylphenol Ethoxylates (NPEs).	
Registered Trademarks of Stepan Company	STEOL® BIO-TERGE® NINOL®	
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). For ordering assistance, call our Account Service Department at 1-800-457-7673.	

Assistance

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Stepan Company
Northfield, Illinois 60093
Telephone (847) 446-7500

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