



# Formulation

Name	<b>PREMIUM, CONSUMER CAR WASH CONCENTRATE</b>	
No.	89	
Description	This formulation is for use by the consumer and provides a large amount of stable foam.	
Formulation	<b>INGREDIENTS:</b>	<b><u>% by Weight</u>   <u>Functionality</u></b>
	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
	<b>Total</b>	<b>100.0</b>
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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