



# Formulation

Name	<b>FOAMING BRUSH DETERGENT FOR SELF-SERVE CAR WASHES</b>	
No.	862	
Description	This is a concentrated formula for self-serve car wash operators. It removes typical dirt from the car and delivers thick, colored foam through a foam brush application.	
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	60.0 Primary Surfactant
	NINOL® 40-CO	2.0 Foam Booster
	Versene 100 (Tetrasodium EDTA) Dow Chemical	3.0 Chelating Agent
	Chromatint Red 0551 (M93010, Chromatech)	3.0 Dye
	Belmay Fruity Bath #213237 (Belmay)	3.0 Fragrance
	Preservative	q.s. Additive
	<b>Total</b>	<b>100.0</b>
Procedure	Add ingredients in order shown and mix until homogenous.	
Physical Properties	Appearance at 25°C	Clear liquid
	pH, as is	11.4
	Viscosity at 25°C, cps	20
	Density, lbs/gal	8.60
	Solids, %	28.5-31.5
	VOC (calculated) at dilution of 1:200, %	0
Storage/Stability	1 Month at 25°C	Stable
	1 Month at 4°C	Stable
	1 Month at 50°C	Stable
	Freeze/Thaw, 10 Cycles	Pass
Instructions for Use	The formulation can be diluted to 1:200 and applied with the proper equipment to create a red/pink colored foam in the car wash bay.	
External Comment	Marketing Notes: When used at Stepan's recommended dilution level of 1:200, 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).	
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