



# Formulation

Name	<b>ALKALINE-BASED CAR WASH PRESOAK</b>	
No.	865	
Description	This is a concentrated presoak formula for car wash operators. This one-step presoak is used to loosen dirt, grease and road film from car surfaces to prepare the surface for washing.	
Formulation	<b>INGREDIENTS:</b>	<b><u>% by Weight</u>   <u>Functionality</u></b>
	Deionized Water	q.s. to 100.0 Diluent
	Sodium Hydroxide, 50% solution	1.0 Builder
	STEPANATE® SXS	10.0 Hydrotrope
	BIO-TERGE® AS-40	35.0 Primary Surfactant
	Dowanol EB (Glycol Ether EB) Dow	8.0 Solvent
	Dye	q.s. Additive
	Fragrance	q.s. Additive
	<b>Total</b>	<b>100.0</b>
Procedure	Add ingredients in order shown and mix thoroughly until homogenous.	
Physical Properties	Appearance at 25°C	Clear liquid
	pH, as is	13.0
	Viscosity at 25°C, cps	<50
	Density, lbs/gal	8.60
	Solids, %	17.0-20.0
	VOC (calculated) at 1:100 dilution level, %	0.08
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	This formulation can be diluted at 1:100 and applied with the proper car wash equipment. This formulation must be removed before drying on the car surface.	
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 <a href="http://www.cleangredients.org">www.cleangredients.org</a> . This formulation does not contain Nonylphenol Ethoxylates (NPEs).	
Registered Trademarks of Stepan Company	STEPANATE® BIO-TERGE®	
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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