



Formulation

Name	ACID-BASED CAR WASH PRESOAK	
No.	899	
Description	This is a concentrated pre-soak formula for car washing. This one-step presoak is used to loosen dirt, grease and road film from car surfaces to prepare the surface for washing.	
Formulation	INGREDIENTS:	<u>% by Weight</u> <u>Functionality</u>
	=== Phase 1 ===	
	Deionized Water	41.0 Diluent
	Citric Acid	4.0 pH Adjuster
	=== Phase 2 ===	
	Deionized Water	10.0 Diluent
	AMMONYX® LO	10.0 Secondary Surfactant
	AMPHOSOL® HCG	30.0 Primary Surfactant
	Dowanol EB (Glycol Ether EB) Dow	5.0 Solvent
	Total	100.0
Procedure	1. Phase 1 - Mix Citric Acid and Deionized Water until thoroughly dissolved. 2. Phase 2 - Add ingredients to Phase 1 and mix until homogeneous.	
Physical Properties	Appearance at 25°C	Clear liquid
	pH, as is	3.8
	Viscosity at 25°C, cps	<20
	Density, lbs/gal	8.50
	Solids, %	16.0-19.0
	VOC (calculated) at 1:100 dilution level, %	0.05
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 rinsed off the car surface before drying.	
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). AMMONYX® LO is an approved ingredient on www.cleangredients.org . This formulation does not contain Nonylphenol Ethoxylates (NPEs).	
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For
Additional
Assistance

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.

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