



Formulation

Name	NEUTRAL, DILUTABLE ALL-PURPOSE CLEANER		
No.	1186		
Description	A neutral pH, hard surface, dilutable cleaner that combines a betaine, solvent, and hydrotrope.		
Formulation	INGREDIENTS:	% by Weight	Functionality
	Deionized Water	58.0	Diluent
	STEPANATE® SXS	15.0	Hydrotrope
	Propylene Glycol n-Propyl Ether	6.0	Solvent
	AMPHOSOL® CG-50	21.0	Surfactant
	Total	100.0	
Procedure	1. Charge Deionized Water. 2. With good agitation, add STEPANATE® SXS and Propylene Glycol n-Propyl Ether. 3. Continue to mix and add AMPHOSOL® CG-50. 4. Mix until homogenous.		
Physical Properties	Appearance at 25°C	Clear liquid	
	pH, as is	6.65	
	Density at 25°C, lb/gal	8.56	
	Viscosity at 25°C, cps	Water thin	
	% VOC (calculated)	6	
	Appearance at 1:64, using tap water dilution	Hazy liquid	
	pH at 1:64, using tap water dilution	7.59	
	% VOC at 1:64 (calculated)	0.094	
Storage/ Stability	Freeze thaw, 3 cycles	Pass	
	1 month at 50°C	Stable	
	1 month at 25°C	Stable	
	1 month at 4°C	Stable	
Instructions for Use	Formulation should be diluted to 2 ounces per one gallon of water. Deviation from this dilution level can result in different VOC levels. Gardner Straightline Washability Test, SM 250-0 (ASTM D4488-95-A5); 1:64 dilution = 56% soil removed at stroke 1, 84% soil removed at stroke 3, and 93% soil removed at stroke 10.		
External Comment	Marketing Notes: When used at Stepan's recommended dilution level of 1:64, this formulation is VOC-compliant with U.S. Federal and California Air Resource Board (CARB) Consumer Products regulation for non-aerosol, general purpose cleaner (0.5% VOC limit as of December 31, 2012). STEPANATE® SXS is an approved ingredient on www.cleangredients.org. This formulation does not contain Nonylphenol Ethoxylates (NPEs).		
Registered Trademarks of Stepan Company	STEPANATE® AMPHOSOL®		

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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