



Formulation

Name	PREMIUM HAND/DISHWASH LIQUID	
No.	1118	
Description	This formulation contains over 96% bio-renewable carbon content (per Stepan's BCI calculation). This liquid product may be diluted with water to produce a mid-to-low tier economy dishwash liquid with lower viscosity.	
Formulation	INGREDIENTS:	<u>% by Weight</u> <u>Functionality</u>
	Deionized Water	10.61 Carrier
	STEPANOL® WA-EXTRA K	55.17 Primary Surfactant
	ALPHA-STEP® PC-48	21.05 Surfactant
	AMMONYX® LO Special	13.12 Foam Stabilizer
	Kathon™ CG (Rohm and Haas) Methylchloroisothiazolinone and Methylisothiazolinone	0.05 Preservative
	Total	100.00
Procedure	Charge Deionized Water into mix tank, and then add the remaining components in any order with mixing. pH may be adjusted higher with Sodium Hydroxide, or lower with Citric Acid. Viscosity may be increased with salt, or lowered by dilution with water.	
Physical Properties	Appearance at 25°C/77°F	Clear, Straw-colored viscous liquid
	pH, as is	7.5–8.9
	Viscosity at 25°C, cps	1850 (spindle 2 at 50rpm)
	Solids, %	29.6
	Density, lbs/gal	8.65
Storage/ Stability	4 weeks at 4°C	Stable
	4 weeks at 50°C	Stable
	Freeze/thaw, 3 cycles	Pass
	Room temperature	Stable
Instructions for Use	Squirt a small amount into sink and fill with warm water, or squirt a small amount onto damp sponge. Wet dishes, clean, and rinse.	
External Comment	Marketing Notes: STEPANOL® WA-EXTRA K and ALPHA-STEP® PC-48 are approved ingredients on www.cleangredients.org . For further information, visit our website or www.cleangredients.org . BCI = 96%. Total Biorenewable Carbon Index (BCI) was calculated only for the Stepan surfactants used in this formulation. For more information on Stepan's BCI guide, visit www.stepan.com .	
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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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