



# Formulation

Name	<b>PREMIUM HAND/DISHWASH LIQUID</b>	
No.	1118	
Description	This premium hand dishwash is over 96% naturally derived. It can be diluted with water to produce mid-tier or even economy dishwash liquid with a lower viscosity.	
Formulation	<b>INGREDIENTS:</b>	<b><u>% by Weight</u>   <u>Functionality</u></b>
	Deionized Water	10.61 Carrier
	STEPANOL® WA-EXTRA K (or STEPANOL® WA-EXTRA HP)	7.8 Primary Surfactant
	ALPHA-STEP® PC-48	12.9 Surfactant
	AMMONYX® LO Special	13.1 Foam Stabilizer
	Kathon™ CG (Rohm and Haas) Methylchloroisothiazolinone and Methylisothiazolinone	0.05 Preservative
	<b>Total</b>	<b>100.00</b>
Procedure	<ol style="list-style-type: none"> <li>Charge Deionized Water into mix tank, and then add the remaining components in any order with mixing.</li> <li>pH may be adjusted higher with Sodium Hydroxide, or lower with Citric Acid.</li> <li>Viscosity may be increased with salt, or lowered by dilution with water.</li> </ol>	
Physical Properties	Appearance at 25°C	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 HP, STEPANOL® WA-EXTRA K, and ALPHA-STEP® PC-48 are approved ingredients on <a href="http://www.cleangredients.org">www.cleangredients.org</a> . For further information, visit our website or <a href="http://www.cleangredients.org">www.cleangredients.org</a> . 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 <a href="http://www.stepan.com">www.stepan.com</a> .	
Registered Trademarks of Stepan Company	STEPANOL® ALPHA-STEP® AMMONYX®	
For	For applications or product handling assistance, call our Technical Service Department at 1-800-745-7837 (U.S.) or +33 476 505 100 (Europe).	

Additional  
Assistance

For ordering assistance, call our Account Service Department at 1-800-457-7673.

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