



# Formulation

Name	<b>CITRUS POWERED DISH CLEANER</b>	
No.	1494	
Description	Looking for an efficient hand dishwashing liquid with high viscosity? Let's formulate this citrus smell gel suggesting high degreasing power and freshness thanks to sulfate-free and ethylene oxide-free cleanser such as BIO-TERGE® AS-40 HASB and AMMONYX® LO. AMPHOSOL® DM/MB enhances mildness and is an excellent thickening agent for tougher sulfate-free systems.	
Formulation	<u>INGREDIENTS:</u>	<u>% by Weight</u> <u>Functionality</u>
	Deionized Water	55.75 Carrier
	BIO-TERGE® AS-40 HASB	29.60 Primary Surfactant
	AMMONYX® LO	6.25 Secondary Surfactant
	AMPHOSOL® DM/MB	6.25 Secondary Surfactant
	Sunny Citrus 198 (IFF) Fragrance	0.30 Fragrance
	Yellow Dye E102	q.s. Dye
	KATHON™ CG (Lanxess)**	0.05 Preservative
	Sodium Hydroxide	q.s. pH Adjuster
	Citric Acid	q.s. pH Adjuster
	Sodium Chloride	1.80 Viscosity Adjuster
	<b>Total</b>	<b>100.00</b>
Procedure	1. Charge Deionized Water into mix tank, and then add the remaining components with mixing in the order listed. 2. pH may be adjusted with with Sodium Hydroxide (to increase the pH) or with Citric Acid (to lower the pH). 3. Viscosity may be increased with salt, or lowered by dilution with Deionized Water. **Note: KATHON™ CG is Methylchloroisothiazolinone (CMIT) and Methylisothiazolinone (MIT) from Lanxess.	
Physical Properties	Appearance, as is	Yellow, viscous gel
	pH, as is	8
	Viscosity at 25°C (LV2/V30), cps	2,500
Storage/Stability	4 weeks at 5°C	Stable
	4 weeks at 25°C	Stable
	4 weeks at 45°C	Stable
Instructions for Use	Add a small amount of dish wash liquid to sink and add water.	
Registered Trademarks of Stepan Company	AMMONYX® AMPHOSOL® BIO-TERGE®	
For Additional	For applications or product handling assistance, call our Technical Service Department at 1-800-745-7837 (U.S.) or +33 476 505 100 (Europe). For ordering assistance, call our Account Service Department at 1-800-457-7673.	

## Assistance

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