



# Formulation

Name	<b>AQUEOUS HEAVY DUTY CLEANER WITH STEPOSOL® C-25</b>	
No.	1154	
Description	This neutral ready-to-use cleaner contains STEPOSOL® C-25 (a coconut oil-derived methyl ester solvent). It effectively cuts through greasy build up.	
Formulation	<b>INGREDIENTS:</b>	<b><u>% by Weight</u>   <u>Functionality</u></b>
	Deionized Water	82.2 Diluent
	STEPOSOL® C-25	0.5 Solvent
	BIO-SOFT® N91-2.5	1.0 Emulsifier
	BIO-SOFT® N91-8	1.0 Emulsifier
	STEPANOL® WA-EXTRA	3.3 Anionic Agent
	STEPANATE® SXS	12.0 Hydrotrope
	Sodium Hydroxide, 50% solution	q.s. pH Adjuster
	Preservative	q.s. Preservative
	<b>Total</b>	<b>100.0</b>
Procedure	<ol style="list-style-type: none"> <li>1. Charge STEPOSOL® C-25. While mixing, blend in BIO-SOFT® N91-2.5 and BIO-SOFT® N91-8.</li> <li>2. Mix for 5 minutes.</li> <li>3. With good agitation, slowly blend in STEPANOL® WA-EXTRA and continue to mix until homogeneous.</li> <li>4. Slowly blend in the Water, followed by STEPANATE® SXS.</li> <li>5. Mix until homogenous.</li> <li>6. Blend in Preservative.</li> <li>7. Adjust pH to 6.5–7.5 with Sodium Hydroxide.</li> </ol>	
Physical Properties	Appearance, as is	Clear liquid
	Viscosity at 25°C, cps	Water thin
	pH, as is	6.5–7.5
	VOC, calculated, %	0.5
Storage/Stability	Freeze thaw, 3 cycles	Pass
	4 weeks at 4°C	Stable
	4 weeks at 50°C	Stable
	4 weeks at 25°C	Stable
Instructions for Use	Spray on soiled surface. Then wipe with dry sponge or cloth. No rinsing is required.	
	Cleaning Performance: Tested at 1:1 dilution with water. ASTM D4488-95-A5 Gardner Straightline Washability Test - 87% soil removed	
External Comment	Marketing Notes: STEPANOL® WA-EXTRA can be replaced with STEPANOL® WA-EXTRA PCK or STEPANOL® WA-EXTRA K. BIO-SOFT® N91-8, STEPANATE® SXS, STEPANOL® WA-EXTRA PCK and STEPANOL® WA-EXTRA K are approved ingredients on <a href="http://www.cleangredients.org">www.cleangredients.org</a> . For further information, visit <a href="http://www.cleangredients.org">www.cleangredients.org</a> or Stepan's	

website. This formulation does not contain Nonylphenol Ethoxylates (NPEs). BCI = 29%. Total BCI (Biorenewable Carbon Index) was calculated only for the Stepan surfactants in this formulation. For more information on Stepan's BCI guide, visit [www.stepan.com](http://www.stepan.com).

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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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