



Formulation

Name	HOUSEHOLD ALL-PURPOSE CLEANER	
No.	1199	
Description	This mildly alkaline spray-and-wipe formulation is a fast-acting cleaner that quickly penetrates and removes oily soils.	
Formulation	INGREDIENTS:	<u>% by Weight</u> <u>Functionality</u>
	Deionized Water	98.1 Diluent
	BIO-SOFT® N91-6	0.4 Emulsifier
	BIO-SOFT® D-40	1.0 Anionic Agent
	STEPOSOL® MET-10U	0.3 Surfactant
	Sodium Citrate	0.2 Builder
	Preservative, Fragrance, and Dye	q.s. Additives
	Total	100.0
Procedure	<ol style="list-style-type: none"> 1. Charge Deionized Water. 2. With good agitation, slowly blend in BIO-SOFT® N91-6. 3. Once clear, add BIO-SOFT® D-40. 4. Once blended, add Sodium Citrate. 5. When dissolved, add STEPOSOL® MET-10U. 6. Add Preservative and Dye. 7. Mix until homogenous. 	
Physical Properties	Appearance at 25°C	Clear liquid
	pH, as is	7.5
	Viscosity at 25°C, cps	Water thin
	VOC (calculated), %	0
Storage/Stability	Freeze/thaw, 3 cycles	Pass
	4 weeks at 50°C	Pass
	4 weeks at 4°C	Pass
	4 weeks at 25°C	Pass
Instructions for Use	Use as is. Spray onto surface and wipe clean.	
	Gardner Straightline Washability Test, SM 250-0 (ASTM D4488-95-A5), 80% soil removal at Stroke 1 and 90% soil removal at Stroke 3.	
External Comment	<p>Marketing Notes: Please refer to the Safety Data Sheet for global regulatory information. It is the responsibility of the end user to review the chemical control regulations for each country. BIO-SOFT® N91-6 and BIO-SOFT® D-40 are approved ingredients on www.cleangredients.org. For further information, visit our website or www.cleangredients.org. When used "as is" as a general purpose degreaser, this formulation is VOC-compliant with California Air Resource Board (CARB) Consumer Products regulation for non-aerosol general purpose cleaners (0.5% VOC limit as of December 31, 2012). For U.S. formulators, STEPOSOL® MET-10U is a low vapor pressure</p>	

VOC (LVP-VOC), therefore its contribution to the VOC calculation is zero. STEPOSOL® MET-10U does not contribute to the VOC calculation because of its high boiling point and low vapor pressure.

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STEPOSOL®

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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