



Formulation

Name	INDUSTRIAL SEMI-AQUEOUS DEGREASER	
No.	1200	
Description	This ready-to-use semi-aqueous industrial cleaner is effective at removing grease and soils from metal surfaces.	
Formulation	INGREDIENTS:	<u>% by Weight</u> <u>Functionality</u>
	Deionized Water	45.0 Diluent
	d-Limonene (Florida Chemical)	20.0 Solvent
	NINOL® 11-CM	10.0 Emulsifier
	BIO-SOFT® N1-7	5.0 Emulsifier
	STEPOSOL® MET-10U	20.0 Surfactant/Solvent
	Total	100.0
Procedure	<ol style="list-style-type: none"> 1. Charge Deionized Water. 2. With good agitation, slowly blend in BIO-SOFT® N1-7. 3. Add the NINOL® 11-CM. 4. Once clear, add d-Limonene, then STEPOSOL® MET-10U. 5. Mix until homogenous. 	
Physical Properties	Appearance at 25°C	Clear liquid
	pH, as is	9.4
	Viscosity at 25°C, cps	Water thin
	VOC (calculated), %	20
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	Apply directly to surface or apply using a saturated sponge or cloth. Wipe clean.	
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® N1-7 is an approved ingredient on www.cleangredients.org. For further information, visit www.cleangredients.org. BCI = 65. Total BCI (Biorenewable Carbon Index) was calculated only for the Stepan surfactants used in this formulation. For further information on Stepan's BCI, visit www.stepan.com. This formulation does not meet the California Air Resource Board (CARB) VOC regulation for Consumer Products. "Consumer" is defined by CARB as any person who seeks, purchases, or acquires any consumer product for personal, family, household, or institutional use. For U.S. formulators, STEPOSOL® MET-10U is a low vapor pressure 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.</p>	
Registered	NINOL®	

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BIO-SOFT®
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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Revision Date: Publication Date: 03/18/2014 © 2014, Stepan Company. All rights reserved.