



Formulation

Name	INDUSTRIAL NON-AQUEOUS METAL CLEANER	
No.	1163	
Description	This ready-to-use non-aqueous industrial-strength cleaner is effective at removing grease, oily soils, and dirt from metal surfaces.	
Formulation	INGREDIENTS:	<u>% by Weight</u> <u>Functionality</u>
	STEPOSOL® SC	50.0 Solvent
	STEPOSOL® M-8-10	35.0 Solvent
	BIO-SOFT® GSB-9	15.0 Surfactant Blend
	Total	100.0
Procedure	<ol style="list-style-type: none"> 1. Charge STEPOSOL® SC in mixing vessel. 2. Add STEPOSOL® M-8-10, mixing thoroughly. 3. Mix in BIO-SOFT® GSB-9. 4. Blend until homogeneous. 	
Physical Properties	Appearance at 25°C	Clear liquid
	Viscosity at 25°C, cps	Water thin
	VOC "as is" (calculated), %	39.3
Storage/Stability	4 weeks at 4°C	Stable
	4 weeks at 25°C	Pass
	4 weeks at 50°C	Pass
	Freeze/thaw, 4 cycles	Pass
Instructions for Use	Use as is. Apply to metal surface and let stand for 1–2 minutes. Wipe with dry sponge or cloth. No rinsing is required.	
External Comment	<p>Marketing Notes: This formulation was also evaluated with Dowanol EB, Dowanol DPnB, and Dowanol DB as alternatives to STEPOSOL® M-8-10. If Dowanol EB or Dowanol DPnB is used as an alternative to STEPOSOL® M-8-10, it is recommended it be used at comparable weight %s as listed in the formulation above. This formulation does not contain Nonyl Phenol Ethoxylates (NPEs). Please note: This product contains STEPOSOL® M-8-10 which is currently listed on Canada's NDSL. The pH cannot be measured for this formulation because it is a non-aqueous system.</p>	
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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: 12/10/2010 © 2010, Stepan Company. All rights reserved.