



Formulation

Name	INDUSTRIAL ENGINE BLOCK CLEANER	
No.	1202	
Description	This formulation penetrates grimy soils and can be used for the cleaning of heavily soiled metals and other hard surfaces, such as automotive engines and floors.	
Formulation	INGREDIENTS:	<u>% by Weight</u> <u>Functionality</u>
	BIO-SOFT® N91-2.5	21.5 Emulsifier
	STEPOSOL® SB-W	6.5 Solvent
	BIO-SOFT® N91-6	54.0 Emulsifier
	STEPOSOL® MET-10U	18.0 Surfactant/Solvent
	Total	100.0
Procedure	<ol style="list-style-type: none"> 1. Charge STEPOSOL® SB-W. 2. With good agitation, blend in STEPOSOL® MET-10U. 3. Once blended, add BIO-SOFT® N91-6, followed by BIO-SOFT® N91-2.5. 4. Mix until homogenous. 	
Physical Properties	Appearance at 25°C	Clear liquid
	pH, as is	10.2
	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. Apply to surface and then wipe with a clean cloth. For heavier soil, allow solution to penetrate before wiping 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® N91-6 is an approved ingredient on www.cleangredients.org. For further information, visit www.cleangredients.org. BCI = 68. 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. Before using on plastic, hard or painted surfaces, spot test on an inconspicuous area first.</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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Stepan Company
Northfield, Illinois 60093
Telephone (847) 446-7500

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