



Formulation

Name	HEAVY-DUTY CONCRETE CLEANER	
No.	1157	
Description	This water-soluble, heavy-duty cleaner removes motor oil and soil build-up from concrete surfaces, such as garage floors and driveways.	
Formulation	INGREDIENTS:	<u>% by Weight</u> <u>Functionality</u>
	AMMONYX® LMDO	16.0 Degreaser
	BIO-SOFT® EC-690	17.0 Emulsifier
	BIO-TERGE® PAS-8S	10.0 Hydrotrope
	Deionized Water	20.0 Carrier
	STEPOSOL® M-8-10	37.0 Solvent, Degreaser
	Total	100.0
Procedure	<ol style="list-style-type: none"> 1. Charge water in mixing vessel. 2. Slowly mix in BIO-SOFT® EC-690 and AMMONYX® LMDO. 3. Add in STEPOSOL® M-8-10 3. Add in BIO-TERGE® PAS-8S. 4. Mix until homogeneous. 	
Physical Properties	Appearance, as is	Clear liquid
	pH, as is	8.0
	Viscosity, as is, cps	Water thin
	VOC% (calculated)	12%
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	For heavier cleaning, apply "as is" to surface and let stand 3–5 minutes. Rinse with water. For lighter cleaning, mix 4 oz:1 gallon. Let stand for 2–3 minutes. Wipe surface with wet sponge or cloth, then rinse.	
External Comment	Marketing Notes: BCI = 62. Total Biorenewable Carbon Index (BCI) was calculated only for the Stepan surfactants used in this formulation. For further information on Stepan's BCI, visit www.stepan.com . BIO-SOFT® N91-6 may be used as a substitution for BIO-SOFT® EC-690.	
Registered Trademarks of Stepan Company	BIO-TERGE®	
For Additional Assistance	<p>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).</p> <p>For ordering assistance, call our Account Service Department at 1-800-457-7673.</p> <p>Nothing contained herein grants or extends a license, express or implied, in connection with patents, issued or</p>	

pending, of the manufacturer or others. The information contained herein is based on the manufacturer's own study and the works of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of fault) to the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information.



Stepan Company
Northfield, Illinois 60093
Telephone (847) 446-7500

Revision Date: Publication Date: 02/08/2011 © 2011, Stepan Company. All rights reserved.