



Formulation

Name	CONCENTRATED HEAVY DUTY CLEANING COMPOUND WITH BIO-SOFT® LD-190	
No.	271	
Description	This formulation removes grease, lubricants, hydraulic oils, carbonaceous soils from towing locomotives, cranes, and other industrial applications.	
Formulation	<u>INGREDIENTS:</u>	<u>% by Weight</u>
	Deionized Water	77.6
	Sodium Metasilicate Pentahydrate	1.4
	Versene 100	1.0
	STEPANATE® SXS	10.0
	BIO-SOFT® LD-190	10.0
	Total	100.0
Procedure	Dissolve Metasilicate and Versene 100 in water. Add remaining ingredients in the order shown above while under agitation. Mix until homogeneous.	
Physical Properties	Appearance at 25°C	Clear liquid
	Density, lbs/gal	8.41
	pH, as is	12–13
	Solids, %	12–15
	Viscosity at 25°C, cps	<100
	Flash point, °F (PMCC)	>201
Storage/Stability	4 weeks at 4°C	Stable
	4 weeks at 25°C	Stable
	4 weeks at 50°C	Stable
	Freeze/thaw, 10 cycles	Pass
Registered Trademarks of Stepan Company	STEPANATE® BIO-SOFT®	
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>The information contained herein is based on the manufacturer's own study and the works of others and is subject to change without prior notice. The information is not intended to be all-inclusive, including as to the manner and conditions of use, handling, storage or disposal or other factors that may involve additional legal, environmental, safety or performance considerations. Nothing contained herein grants or extends a license, express or implied, in connection with any patents issued or pending of the manufacturer or others, or shall be construed as a recommendation to infringe any patents. STEPAN COMPANY MAKES NO PRODUCT WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR USE, EXPRESS OR IMPLIED, AND NO OTHER WARRANTY OR GUARANTY, EXPRESS OR IMPLIED, IS MADE, INCLUDING AS TO INFORMATION REGARDING PERFORMANCE, SAFETY, SUITABILITY, STABILITY, ACCURACY, COMPLETENESS, OR ADEQUACY. Stepan Company (and its employees, subsidiaries and affiliates) shall not be liable (regardless of fault) to the vendee, its employees, or any other party for any direct, indirect, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy, furnishing, use, or reliance upon information provided herein. The vendee assumes and releases</p>	

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

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