



Formulation

Name	ECONOMY LIQUID DISHWASH WITH BIO-SOFT® LD-190	
No.	31	
Description	This economy dishwash liquid is based on BIO-SOFT® LD-190, a formulated concentrate blend.	
Formulation	INGREDIENTS:	% by Weight
	Deionized Water	79.10
	BIO-SOFT® LD-190	10.90
	Sodium Chloride	2.00
	Urea	8.00
	Total	100.00
Procedure	Blend ingredients in order given. Adjust pH to 6.5-7.0 with sulfuric acid before addition of urea.	
Physical Properties	Appearance at 25°C	Clear liquid
	Viscosity at 25°C, cps	100-400
	Solids, %	19-21
	pH, as is	6.5-7.5
	Density, lbs/gal	8.43
	Flash point, °F (PMCC)	>201
Storage/Stability	4 weeks at 25°C	Stable
	4 weeks at 40°C	Stable
	4 weeks at 50°C	Stable
	Freeze/Thaw, 10 cycles	Pass
Instructions for Use	Squirt small amount into sink and fill with hot water.	
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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). 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 Stepan Company (and its employees, subsidiaries and affiliates) from all liability, whether in tort, contract or otherwise to the fullest extent possible under the relevant law.</p>	



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