



# Formulation

Name	<b>I&amp;I ALL-PURPOSE CLEANER CONCENTRATE</b>	
No.	1173	
Description	This Industrial and Institutional all-purpose cleaner concentrate is a blend of anionic and nonionic surfactants that effectively removes general particulate and oily soils. Its mild alkalinity makes it safe for many types of surfaces.	
Formulation	<u>INGREDIENTS:</u>	<u>% by Weight</u> <u>Functionality</u>
	BIO-SOFT® N91-6	2.5 Emulsifier
	BIO-SOFT® D-40	19.7 Anionic Agent
	Sodium Citrate	0.3 Builder
	Deionized Water	77.5 Diluent
	<b>Total</b>	<b>100.0</b>
Procedure	<ol style="list-style-type: none"> <li>1. Charge Deionized Water.</li> <li>2. With good agitation, dissolve Sodium Citrate.</li> <li>3. Blend in BIO-SOFT® D-40.</li> <li>4. Slowly blend in BIO-SOFT® N91-6.</li> <li>5. Mix until homogenous.</li> </ol>	
Physical Properties	Appearance, as is	Clear liquid
	pH, as is	7.8–8.5
	Viscosity at 25°C	Water thin
Storage/Stability	Freeze thaw, 3 cycles	Pass
	25°C (1 month)	Pass
	50°C (1 month)	Pass
	4°C (cold storage, 1 month)	Pass
Instructions for Use	For light, general maintenance cleaning, dilute 1:64 or 2 ounces/gallon. Spray onto surface and wipe with a clean cloth.	
	Test Method: Gardner Straightline Test, SM 250-0 (ASTM D4488-95-A5), ASTM Book of Standards, Volume 15.04, D4488-95, Section A5	
	Dilution Results (1:64): 72% soil removed	
External Comment	Marketing Notes: BIO-SOFT® N91-6 and BIO-SOFT® D-40 are approved ingredients on <a href="http://www.cleangredients.org">www.cleangredients.org</a> . For further information, visit <a href="http://www.cleangredients.org">www.cleangredients.org</a> or Stepan's website. This formulation does not contain Nonylphenol Ethoxylates (NPEs).	
Registered Trademarks of Stepan Company	BIO-SOFT®	
For Additional	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).	

Assistance

For ordering assistance, call our Account Service Department at 1-800-457-7673.

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