



# Formulation

Name	<b>I&amp;I ALL-PURPOSE CLEANER ULTRA CONCENTRATE</b>	
No.	1174	
Description	This Industrial and Institutional all-purpose cleaner is an ultra concentrate dilutable down to 1 ounce per gallon. It is a blend of anionic and nonionic surfactants that when diluted, 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	5.0 Emollient
	BIO-SOFT® D-40	39.4 Anionic Agent
	BIO-TERGE® PAS-8S	5.0 Hydrotrope
	Sodium Citrate	0.6 Builder
	Deionized Water	50.0 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-TERGE® PAS-8S and 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 1:128 or 1 ounce/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 (1:128): 72% soil removed	
External Comment	Marketing Notes: BIO-SOFT® N91-6, BIO-SOFT® D-40 and BIO-TERGE® PAS-8S 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).	
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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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