



# Formulation

Name	<b>PLASTIC AND VINYL CLEANER WITH BIO-TERGE® PAS-8S</b>	
No.	992	
Description	This formulation can be used to clean plastic and vinyl surfaces in cars.	
Formulation	<b>INGREDIENTS:</b>	<b>% by Weight    Functionality</b>
	BIO-SOFT® N91-8	6.5    Wetting Agent
	BIO-SOFT® N91-2.5	2.7    Wetting Agent
	Sodium Metasilicate Pentahydrate	5.8    Builder
	BIO-TERGE® PAS-8S	3.0    Hydrotrope
	Deionized Water	q.s. to 100.0    Carrier
	Dye	q.s.    Additive
	Preservative	q.s.    Additive
	<b>Total</b>	<b>100.0</b>
Procedure	<ol style="list-style-type: none"> <li>1. Mix BIO-SOFT® N91-8 and BIO-SOFT® N91-2.5 with Deionized Water. Mix until clear.</li> <li>2. Add Sodium Metasilicate Pentahydrate and mix until dissolved.</li> <li>3. Add BIO-TERGE® PAS-8S and mix until clear.</li> <li>4. Add Dye and Preservative, and mix until uniform.</li> </ol>	
Physical Properties	Appearance at 25°C	Clear liquid
	pH, as is	12.0–14.0
	Viscosity at 25°C, cps	<100
	Density, lbs/gal	8.0
	Flash Point (PMCC), °F	>201
	VOC (calculated), %	0.15%
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
Instructions for Use	This formulation can be applied using a spray bottle. Then wipe with a cloth.	
External Comment	<p>Marketing Notes: When used as per Stepan's recommendation, this formulation is VOC-compliant with U.S. Federal and California Air Resource Board (CARB) Consumer Products regulation for non-aerosol, general purpose cleaner (0.5% VOC limit as of December 31, 2012). BIO-SOFT® N91-8 and BIO-TERGE® PAS-8S are approved ingredients on <a href="http://www.cleangredients.org">www.cleangredients.org</a>. This formulation does not contain Nonylphenol Ethoxylates (NPEs).</p>	
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	For applications or product handling assistance, call our Technical Service Department at 1-800-745-7837 (U.S.) or	

For  
Additional  
Assistance

011-334-76-505-100 (Europe).  
For ordering assistance, call our Account Service Department at 1-800-457-7673.

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