

Formulation

Name	WHEEL CLEANER	
No.	1197	
Description	This formulation is designed to remove a variety of soil types from wheel surfaces.	
Formulation	INGREDIENTS:	<u>% by Weight</u> <u>Functionality</u>
	Deionized Water	q.s. to 100 Diluent
	Sodium Citrate	2.5 Builder
	BIO-SOFT® D-40	7.5 Primary Surfactant
	BIO-SOFT® N91-8	1.5 Emulsifier
	BIO-SOFT® N91-2.5	1.5 Emulsifier
	STEPANATE® SXS	6.0 Hydrotrope
	Dowanol DPnB (Dow Chemical) Dipropylene Glycol n-Butyl	9.0 Solvent
	Ether	q.s. Additive
	Dye	q.s. Additive
	Fragrance	q.s. Additive
	Preservative	q.s. Additive
	Total	100.0
Procedure	<ol style="list-style-type: none"> 1. Charge tank with Deionized Water. 2. Add ingredients in order shown above. Mix until homogenous. 	
Physical Properties	Appearance at 25°C	Clear liquid
	pH, as is	9.8
	Viscosity at 25°C, cps	Water thin
	Solids, %	11
	VOC (calculated), %	0
Storage/Stability	4 weeks at 50°C	Stable
	4 weeks at 25°C	Stable
	4 weeks at 4°C	Stable
	Freeze/thaw, 3 Cycles	Stable
Instructions for Use	Apply to wheel surface. If necessary, scrub to remove dirt. Rinse.	
External Comment	<p>Marketing Notes: When used as per Stepan's recommendations, this formulation is VOC-compliant with U.S. Federal and California Air Resource Board (CARB) Consumer Products regulation for non-aerosol, motor vehicle wash (0.2% VOC limit as of December 31, 2012). Dowanol DPnB is a low-vapor pressure VOC (LVP-VOC) and is exempt from the VOC calculation. BIO-SOFT® D-40, BIO-SOFT® N91-8 and STEPANATE® SXS are approved ingredients on www.cleangredients.org. For further information, visit our website or www.cleangredients.org. Label and/or trademark usage of the final product is the sole responsibility of the finished product manufacturer. This product does not contain Nonylphenol Ethoxylates (NPEs).</p>	
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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>Nothing contained herein grants or extends a license, express or implied, in connection with patents, issued or pending, of the manufacturer or others. The information contained herein is based on the manufacturer's own study and the works of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of fault) to the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information.</p>	



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