



Formulation

Name	TOUCHLESS CARWASH	
No.	913	
Description	This touchless carwash is completely frictionless. This cleaning method relies on proper detergent application and high pressure for removal of soil from the vehicle's surface.	
Formulation	INGREDIENTS:	% by Weight Functionality
	Deionized Water	q.s. to 100 Diluent
	MAKON® 10	20.0 Emulsifier
	Sodium Metasilicate Pentahydrate	3.0 Builder
	STEPOSOL® DG	17.0 Primary Surfactant
	Fragrance	q.s. Additive
	Dye	q.s. Additive
	Preservative	q.s. Additive
	Total	100.0
Procedure	<ol style="list-style-type: none"> 1. Blend Water and STEPOSOL® DG with mixing. 2. Add Sodium Metasilicate Pentahydrate and mix until dissolved. 3. Add MAKON® 10 and mix until clear. 4. Add Fragrance, Dye, and Preservative and mix until clear. 	
Physical Properties	Appearance at 25°C	Clear liquid
	pH, as is	12.0–13.0
	Viscosity at 25°C, cps	100–200
	Density, lbs/gal	8.71
	Solids, %	34.0–37.0
	Flash Point (PMCC), °F	201
	VOC (calculated) at 1:100 dilution level, %	<0.1
Storage/ Stability	1 Month at 25°C	Stable
	1 Month at 50°C	Stable
	1 Month at 4°C	Stable
	Freeze/Thaw, 10 Cycles	Pass
Instructions for Use	Use this formulation with water in an automatic touchless car wash system. The formulation can be diluted to 1:100.	
External Comment	Marketing Notes: When used at Stepan's recommended dilution level of 1:100, 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).	
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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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