



Formulation

Name	ALL EXTERIOR VEHICLE SPRAY AND WIPE CLEANER	
No.	1321	
Description	This cleaner is designed to remove general road grime from body panels, wheels, windows and chrome, all in one product, leaving a low streak shine with no rinsing needed. Use on cars and trucks for a "just detailed" appearance.	
Formulation	INGREDIENTS:	<u>% by Weight</u> <u>Functionality</u>
	Deionized Water	99.54 Diluent
	AMPHOSOL® CS-50	0.28 Surfactant
	BIO-SOFT® LFS-07	0.10 Surfactant
	Propylene Glycol n-Butyl Ether	0.08 Solvent
	Preservative, Fragrance, and Dye	q.s. Additives
	Total	100.00
Procedure	<ol style="list-style-type: none"> 1. Charge Deionized Water. 2. Start mixing and add Propylene Glycol n-Butyl Ether. 3. Add BIO-SOFT® LFS-07. 4. Add AMPHOSOL® CS-50. 5. Lastly, add Preservative, Fragrance, and Dye as desired. 6. Mix until homogeneous. 	
Physical Properties	Appearance at 25 °C	Clear liquid
	pH, as is	7 - 8
	Viscosity at 25 °C, cps	Water thin
	VOC, as is (calculated), %	0.08
	Flash Point (PMCC), °F	350
Storage/ Stability	Freeze/Thaw, 3 cycles	Pass
	4 weeks at 50°C	Stable
	4 weeks at 25°C	Stable
	4 weeks at 4°C	Stable
Instructions for Use	<p>For vehicle body panels and wheels, spray generously across soiled areas. Wipe dry with a clean soft cloth. Avoid re-using soiled areas of the cloth. For windows and chrome, spray lightly to cover the surface and wipe dry with a clean paper towel or soft cloth. Avoid re-using soiled areas of the paper towel or cloth.</p> <p>This formulation can be used on car body panels and wheels to clean road soil, and on windows and chrome, leaving a low streak surface.</p>	
External Comment	<p>Marketing Notes: Stepan's low film/streak nonionic technology helps this formulation to provide convenient cleaning with good low film/streak on surfaces such as glossy dark car panels, windows and chrome without rinsing. This formulation is compliant with all U.S. Federal and State VOC standards for general purpose cleaners as of July 2019.</p>	
Registered	AMPHOSOL®	

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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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Stepan 

Stepan Company
Northfield, Illinois 60093
Telephone (847) 446-7500

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