



Formulation

Name	THICKENED WATERLESS HAND CLEANER WITH PUMICE AND STEPOSOL® SC	
No.	991	
Description	Solvent-based hand cleaner containing pumice. This can be used to remove dirt and grease from hands without the use of water.	
Formulation	<u>INGREDIENTS:</u>	<u>% by Weight</u> <u>Functionality</u>
	STEPOSOL® SC	65.0 Solvent
	BIO-SOFT® N1-7	10.0 Wetting Agent
	Lemon Lime Grade d-Limonene (Florida Chemical, Inc.)	5.0 Solvent
	Methocel OS (Dow Chemical)	5.0 Thickener
	SafSil CT 200 (CR Mineral Corporation) Pumice	15.0 Exfoliating Additive
	Total	100.0
Procedure	Mix together the first 3 ingredients. Mix until clear. Add Methocel OS. Mix until dissolved. Add SafSil CT 200. Mix until uniform.	
Physical Properties	Appearance at 25°C	Dark-brown gel
	pH, 10% in IPA	9.5 - 11.0
	Viscosity at 25°C, cps	>20,000
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	Apply a small amount to hands and rub. Rinse with water or wipe off with cloth.	
External Comment	Amount of Methocel OS can be modified to adjust to desired thickness. Amount of SafSil CT 200 can also be modified to alter feel.	
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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. 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.	



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