



Formulation

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| Name | THICKENED WATERLESS HAND CLEANER WITH PUMICE AND STEPOSOL® SC | |
| No. | 990 | |
| 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 | 68.0 Solvent |
| | BIO-SOFT® N1-7 | 10.0 Wetting Agent |
| | Lemon Lime Grade d-Limonene (Florida Chemical, Inc.) | 5.0 Solvent |
| | Methocel 311 (Dow Chemical) | 2.0 Thickener |
| | SafSil CT 200 (CR Mineral Corporation) Pumice | 15.0 Exfoliating Additive |
| | Total | 100.0 |
| Procedure | Combine first three ingredients with mixing. Mix until clear. Add Methocel 311 with mixing. Mix until dissolved. Add SafSil CT 200 with mixing. 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 | >15,000 |
| | Flash point, °F (PMCC) | >201 |
| 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 311 can be modified to adjust to desired thickness. Amount of SafSil CT 200 can also be modified to alter feel. Methocel OS can also be used as a thickener to modify thickness. | |
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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 | |

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

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