



Formulation

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| Name | SPRAYABLE W/O HAIR SHINE WITH ORGANIC SUNSCREENS, ESTIMATED SPF 15 (COLD MIXING) | |
| No. | 816 | |
| Description | This lotion is easy to spray and evenly distributed on the skin to provide great, light after-feel. | |
| Formulation | <u>INGREDIENTS:</u> | <u>% by Weight</u> |
| | === Phase 1 === | |
| | Deionized Water | q.s. to 100 |
| | STEPANQUAT® ML | 2.5 |
| | PEG-12 Laurate (HALLSTAR® PEG 600 ML) | 0.5 |
| | === Phase 2 === | |
| | Dow Corning 345 Fluid (Dow Corning) Cyclomethicone | 20.0 |
| | Ethylhexyl Isononanoate (HALLSTAR® OCTYL ISONONANOATE) | 2.0 |
| | Escalol 557 (ISP) Ethylhexyl Methoxycinnamate | 7.5 |
| | Escalol 587 (ISP) Ethylhexyl Salicylate | 5.0 |
| | Abil EM-90 (Goldschmidt) Cetyl Dimethicone Copolyol | 1.5 |
| | === Phase 3 === | |
| | Preservative, Dye, fragrance | q.s. |
| | Total | 100.0 |
| Procedure | Prepare Phase 1. Prepare Phase 2. Add Phase 1 into Phase 2. Mix for 20-25 minutes. Add phase 3. Homogenize for 3-5 minutes at 5000 rpm. | |
| Physical Properties | Appearance at 25°C | Opaque thin liquid |
| | SPF (estimated) | 15 |
| | pH at 25°C | 4.0 - 5.0 |
| | Viscosity at 25°C, cps | 25 |
| Storage/Stability | 6 months at 25°C | Stable |
| | 3 months at 50°C | Stable |
| Instructions for Use | Spray on skin and rub in as normal lotion. | |
| Trademarks of Stepan Company | ™ | |
| 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. The information contained herein is based on the manufacturer's own study and the works of others and is subject to change without prior notice. The information is not intended to be all-inclusive, including as to the manner and conditions of use, handling, storage or disposal or other factors that may involve additional legal, environmental, safety or performance considerations. Nothing contained herein grants or extends a license, express or implied, in connection with any patents issued or pending of the manufacturer or others, or shall be construed as a recommendation to infringe any patents or to violate any applicable laws. | |

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