



Formulation

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| Name | OIL-FREE CONDITIONER TREATMENT FOR HAIR | |
| No. | 670 | |
| Description | This product helps to replace some protein and moisture lost in hair due to chemical processing. | |
| Formulation | INGREDIENTS: | % by Weight |
| | Deionized Water | q.s. to 100.0 |
| | Natrosol 250 HHR (Hercules) Hydroxyethylcellulose | 0.50 |
| | PEG-150 Distearate (HALLSTAR® PEG 6000 DS) | 0.60 |
| | AMMONYX® CETAC | 8.00 |
| | Panthenol (Roche) | 0.30 |
| | Crotein K (Croda) Hydrolyzed Keratin | 0.20 |
| | Crotein C (Croda) Hydrolyzed Collagen | 0.10 |
| | Preservative | q.s. |
| | Citric Acid | q.s. |
| | Sodium Hydroxide | q.s. |
| | Total | 100.0 |
| Procedure | Into a suitable vessel equipped with heating, cooling, and agitation capabilities, add Deionzed Water. Begin mixing. Into the vortex, sprinkle Natrosol 250 HHR. Add Sodium Hydroxide to raise pH to 7.5 - 8.0 and continue agitation until all of Natrosol 250 HHR is dissolved. Once dissolved, add enough Citric Acid to adjust pH to 4.0 - 4.5. Start heating to 70-75°C. Add PEG-150 Distearate. When dissolved, add AMMONYX® CETAC. Mix for 20 minutes at 70-75°C. Start cooling. Add Panthenol, Hydrolyzed Keratin, Hydrolyzed Collagen, and Preservative at room temperature. Adjust pH with Citric Acid. | |
| Physical Properties | pH, as is | 4.0-4.5 |
| | Appearance at 25°C | Clear liquid |
| | Viscosity at 25°C | 300-500 |
| Storage/ Stability | 6 months at 25°C | Stable |
| | 2 months at 45°C | Stable |
| Instructions for Use | Once a week, warm product by holding under hot running tap water. Then apply the product to dry hair. Leave in hair for 1-2 minutes. Rinse and shampoo. | |
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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. 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. STEPAN COMPANY MAKES NO PRODUCT WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR USE, EXPRESS OR IMPLIED, AND NO OTHER WARRANTY OR GUARANTY, EXPRESS OR IMPLIED, IS MADE, INCLUDING AS TO INFORMATION | |

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