

Shampoo: Clear, Extra Shine, Mild Conditioning

Formulation 00145

ATTRIBUTES

Enhanced Dry Combing
Enhanced Wet Combing
Smooth Feel
Clear
Extra Shine
Mild Conditioning

DOW CORNING® PRODUCTS

DOW CORNING® 5330 FLUID

Ingredient	Wt. %	Trade Name/Supplier
Phase A		
1. Sodium Laureth Sulfate	30	Empicol ESB 3 / Albright & Wilson
2. Cocamidopropyl Betaine	4	Amonyl 380BA / Seppic S.A.
3. Deionized Water	to 100	
Phase B		
4. Polyquaternium-10	0.1	Ucare Polymer JR-400 / Amerchol Corporation
5. Deionized Water	10	
Phase C		
6. PEG-150 Pentaerythrityl Tetrastearate	2	Crothix / Croda, Inc.
Phase D		
7. Cocamide MIPA	2	Rewomid IPP 240 / Goldschmidt
Phase E		
8. PEG/PPG-15/15 Dimethicone	2	DOW CORNING® 5330 FLUID
Phase F		
9. Sodium Chloride	q.s.	Sodium Chloride / Fisher Scientific
10. Citric Acid	q.s.	

Procedure

1. Combine phase A ingredients in order.
2. Heat phase A ingredients to 70-75°C.
3. Heat ingredient 5 to 60°C, add ingredient 4 while gently mixing.
4. Add phase B to phase A with gentle mixing.
5. Add phase C to AB with gentle mixing.
6. In an appropriate vessel, melt ingredient 7 in a hot water bath.
7. Add blend ABC to phase D, with mixing.
8. Add phase E.
9. Mix until a homogeneous solution is obtained.
10. Cool to room temperature.
11. Adjust viscosity with sodium chloride, if necessary.
12. Adjust pH to 5.5 with citric acid, if necessary.

Variations

5330 FLUID can be replaced with 5324 FLUID

Stability

Stable for 6 months at room temperature and for 3 months at 40°C.

External Reference Material

No external references identified as of this printing.

Dow Corning hopes that this suggested formulation will be of interest to you, but you should be cautioned that this is only a representative formulation and is not a commercialized product. Dow Corning believes that the information and data on which this formulation is based are reliable, but it has not been subjected to extensive testing for performance, efficacy or safety. In addition, Dow Corning has not undertaken a comprehensive patent search on the formulation. BEFORE COMMERCIALIZATION, YOU SHOULD THOROUGHLY TEST THE FORMULATION OR ANY VARIATION OF IT TO DETERMINE ITS PERFORMANCE, EFFICACY AND SAFETY. IT IS YOUR RESPONSIBILITY TO OBTAIN ANY NECESSARY GOVERNMENT CLEARANCE, LICENSE OR REGISTRATION. Suggestions of uses should not be taken as inducements to infringe any particular patent.

SAFE HANDLING INFORMATION

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED. BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET IS AVAILABLE FROM YOUR DOW CORNING REPRESENTATIVE, OR DISTRIBUTOR, OR BY WRITING TO DOW CORNING CUSTOMER SERVICE, OR BY CALLING (989) 496-6000.

Dow Corning is a registered trademark of Dow Corning Corporation.

Copyright 2007 Dow Corning Corporation. All rights reserved.