

Formulation Information
Conditioner



Clear Rinse-off Conditioner

Hair Conditioner: Clear, Combing - Wet

Formulation 00508

ATTRIBUTES

- Clear
- Combing - Wet

DOW CORNING® PRODUCTS

- Dow Corning® 5-7113 SILICONE QUAT MICROEMULSION

Ingredient	Wt. %	Trade Name/Supplier
Phase A		
1. Deionised Water	90.35	
2. Tetrasodium EDTA	0.2	Versene 220 Crystals / The Dow Chemical Company
3. Hydroxyethyl Cellulose	0.9	Natrosol 250 HHR / Hercules Inc.
Phase B		
4. Olealkonium Chloride	2	Ammonyx KP / Stepan Company
5. Cetrimonium Chloride	1.5	Ammonyx Cetac / Stepan Company
Phase C		
6. Propylene Glycol	2	Propylene Glycol USP/FCC / Fisher Chemical Company
7. Polyquaternium-10	0.15	Polyquta 400 / Rita
Phase D		
8. Silicone Quaternium-16 (and) Undeceth-11 (and) Butyloctanol (and) Undeceth-5	2	Dow Corning® 5-7113 SILICONE QUAT MICROEMULSION
9. DMDM Hydantoin	0.4	Glydant / Lonza
Phase E		
10. Fragrance	q.s.	
Phase F		
11. Citric Acid	q.s.	

Procedure

1. Mix ingredients of Phase A together.
2. Heat phase A ingredients to 80°C while mixing.
3. Add phase B to phase A with mixing.
4. Mix ingredients of Phase C together.
5. Add with mixing phase C to blend AB.
6. Start cooling.
7. When the mixture temperature is < 40 C, add Phase D.
8. Cool down to room temperature
9. Add ingredient 10 and mix
10. Mix until uniform.
11. Adjust pH to 5.5 with citric acid

Variations

Alternative Dow Corning® Products have not been tested as of this printing.

Stability

Stable for at least 2 months at room temperature and 50°C. Passes 5 freeze/thaw cycles.

External Reference Material

No external references identified as of this printing.

Dow Corning® Application Patents

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