



# Formulation

Name	<b>HOT OIL TREATMENT</b>	
No.	683	
Description	This formulation provides a clear-liquid oil treatment for hair, which conditions and softens the hair.	
Formulation	<b>INGREDIENTS:</b>	<b>% by Weight</b>
	Deionized Water	q.s. to 100.0
	Natrosol 250 HHR (Hercules) Hydroxyethylcellulose	0.5
	PEG-150 Distearate (HALLSTAR® PEG 6000 DS)	0.6
	AMMONYX® CETAC	8.0
	Panthenol (DSM)	0.3
	Hydrolyzed Keratin (Croda)	0.2
	Hydrolyzed Collagen (TRI-K)	0.1
	Preservative, Dye, Fragrance	q.s.
	Sodium Hydroxide	q.s.
	Citric Acid	q.s.
	<b>Total</b>	<b>100.0</b>
Procedure	Into a suitable vessel equipped with heating, cooling, and agitation capabilities, add Deionized Water. Begin mixing. Into the vortex, sprinkle Natrosol. Add Sodium Hydroxide to raise pH to 7.5 - 8.0 and continue agitation until all Natrosol has 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 remaining ingredients at 25°C. Adjust pH, if necessary, with Sodium Hydroxide or Citric Acid.	
Physical Properties	Appearance	Clear liquid
	pH, as is	3.5 - 4.0
	Viscosity at 25°C, #4/20, cps	1500
Storage/ Stability	3 months at 25°C	Stable
	1 month at 42°C	Stable
	1 month at 50°C	Stable
Instructions for Use	Once a week, warm product by holding under hot running tap water. Apply and leave on for 1 to 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.	
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