



# Reference Formula

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## Treat Yourself 3-in-1 Conditioner

EP-HC-C-0046A\_V1

### FORMULA

Phase	Ingredient (Trade Name)	Ingredient (INCI Name)	% By Weight	Function
W	D.W	D.W	81.05%	
	<b>CELLOSIZETM Polymer PCG-10<sup>1</sup></b>	<b>Hydroxyethyl cellulose</b>	<b>1.00%</b>	Thickener (Aqueous)
	<b>SoftCATTM Polymer SL-5<sup>1</sup></b>	<b>Polyquaternium-67</b>	<b>0.10%</b>	Conditioning Agent
	<b>CARBITOLTM Solvent JSQI<sup>1</sup></b>	<b>Ethoxydiglycol</b>	<b>4.00%</b>	Penetration
O		<b>Disunfloweroylethyl Dimonium Chloride (and) Sunflower Seed Oil Glycerides (and) Lauryl Lactyl Lactate</b>	<b>1.10%</b>	Co-Emulsifier/ Conditioning Agent
	<b>STEPANQUAT® Helia<sup>13</sup></b>			
	<b>FATTY ALCOHOL 1618-01<sup>14</sup></b>	<b>Cetyl Stearyl Alcohol</b>	<b>5.00%</b>	Emulsifier
	Shea Butter-Ultra Refined	Butyrospermum Parkii (Shea Butter)	0.50%	Emollient
	<b>Argan Oil<sup>2</sup></b>	<b>Argania Spinosa Kernel Oil</b>	<b>1.00%</b>	Emollient
A	<b>EcoSense 3000 Surfactant<sup>1</sup></b>	<b>Decyl Glucoside Amodimethicone (and) Cetrimonium Chloride (and) Trideceth-3 (and) Trideceth-15</b>	<b>2.00%</b>	Surfactant
	<b>969 Emulsion<sup>1</sup></b>		<b>3.57%</b>	Conditioning Agent
	Microcare MTI	Methylisothiazolinone/ Iodopropynyl Butylcarbamate	0.18%	Preservative
	<b>Pentavitin<sup>2</sup></b>	<b>Saccharide Isomerate, Aqua, Citric Acid, Sodium Citrate</b>	<b>0.20%</b>	Active
	Fragrance(Aqua Flora)		0.30%	Fragrance

Suppliers: 1. Dow Chemical; 2. DSM; 13. Stepan; 14. ErcaWilmar; 23. Moemllhausen

Recommendations contained, herein this Reference Formula, are advisory only.

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## PROCEDURE

1. Prepare Phase W and O separately and heat to 70-75°C .
2. Add Phase W into Phase O under stirring.
3. Add Phase A one by one under stirring.
4. Make sure pH value close to 4.50.

## SPECIFICATION

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APPEARANCE	: White Cream	
VISCOSITY	: approx. 8360 $\pm$ 10%	(RVDV-E, RV5, 30rpm, 3 min, 25°C)
pH	: approx. 4.48 $\pm$ 0.5	(25°C)

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*The information given in this publication is based on our current knowledge and experience and maybe used at your discretion and risk. It does not relieve you from carrying out your own precautions and tests. We do not assume any liability in connection with your product or its use. You must comply with all applicable laws and regulations and observe all third party rights.*

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