

1860 - Detangling Creme Rinse

Weight: 50.00g

Ingredient	INCI	Function	Percent	Wgt (g)	Wgt (oz)
Phase A					
Water	Aqua	Diluent	70.90	35.45	1.25
EDTA	EDTA	Stabilizer	0.20	0.10	0.00
Citric Acid	Citric acid	pH Adjuster	0.10	0.05	0.00
Phase B					
Isododecane	Isododecane	Emollient	8.00	4.00	0.14
Isohexadecane	Isohexadecane	Emollient	5.00	2.50	0.09
Silicone Gel	Cyclopentasiloxane, dimethicone/vinyltrimethylsiloxysilicate crosspolymer	Emollient	1.50	0.75	0.03
Phase C					
Grapeseed Oil	Vitis vinifera (grape) seed oil	Emollient	1.00	0.50	0.02
Palmitic Acid	Palmitic acid	Emollient	2.00	1.00	0.04
Repair Vita Oil	Helianthus Annuus (sunflower) seed oil, Macadamia Ternifolia seed oil, Chenopodium Quinoa seed extract, Cocos Nucifera (coconut) oil, Gardenia Taitensis flower extract, tocopherol, Rosmarinus Officinalis (rosemary) leaf extract	Emollient	1.00	0.50	0.02
CreamMaker CAT	Behentrimonium methosulfate, cetearyl alcohol	Emulsifier	8.00	4.00	0.14
Phase D					
Phenoxyethanol SA	Phenoxyethanol, sorbic acid, caprylyl glycol	Preservative	0.80	0.40	0.01
Keratin Protein	Hydrolyzed keratin protein	Humectant	1.50	0.75	0.03

Procedure

1. Add phase A into a heat resistant beaker and stir to dissolve citric acid and EDTA. Heat to 85C
 2. In a separate beaker, add phase C and heat to same temperature
 3. Mix phase B in a beaker and set aside until phase C is fully melted
 4. Once phase C is melted, pour phase B into phase C while still heating and stir until homogeneous
 5. Add phase B/C into phase A and stir until emulsion forms
 6. Add phase D one by one and stir well in between each addition.

Properties

6/12/20 - pH 4.5 A bit thick for a rinse. Light waxy after feel. Perhaps rather a leave-in matte conditioning cream? CreamMaker Silicone is a w/o emulsifier but the formulation doesn't look like it is. Isododecan/Isohexadecane, why were both used, and they are matte not much slip but then slip is desired with the silicone gel (will be discontinued). Perhaps need to go back to PM original formulation.
