

FORMULATION SHEET

ELEMENTIS

Scalp Cleansing Mud

H-4000-04

DESCRIPTION

An oil controlling cleansing mud helps to rescue you from an oily scalp by removing excess oil and give a volumizing effect.

Phase	Ingredient	Supplier	%w/w
A	Deionized Water		39.90
	Disodium EDTA	AkzoNobel	0.10
	Polyquaternium-10 (Ucare Polymer JR-400)	Dow	0.25
	Guar Hydroxypropyltrimonium Chloride (N-Hance CCG45)	Ashland	0.15
B	Sodium Laureth Sulfate (Texapon N 70)	BASF	16.00
	Cocamidopropyl Betaine (Tego Betaine F 50)	Evonik	8.00
	Sodium Methyl Cocoyl Taurate (Hostapon CT Paste)	Clariant	5.00
C	Trihydroxystearin (THIXCIN® R PC)	Elementis	0.50
	Sodium Benzoate (Microcare NB)	Thor	0.50
D	Kaolin (GL-25)	GREA minerals	8.00
E	Glycerin (Glycerin USP 99.5 PCT)	Palmedia	10.0
	Hectorite (BENTONE HYDROCLAY™ 2000)	Elementis	3.00
F	Deionized Water		2.00
	Acrylates Copolymer (Carbopol Aqua SF-1 Polymer)	Lubrizol	2.00
G	Citric Acid (10% Water Solution)		q.s
H	Sodium Chloride (20% Water Solution)	Sinopharm	4.00
	Phenoxyethanol (and) Ethylhexylglycerin (Euxyl PE9010)	Ashland	0.50
	Ethylhexylglycerin (Sensiva SC50)	Ashland	0.10

PROCEDURE

1. Combine Phase A ingredients one at a time using a propeller mixer and mix at a high speed until uniform.
2. Add Phase B ingredients to Phase A one at a time. Heat to 50-55°C with gentle mixing until uniform.
3. Heat batch to 90-95°C. Add combined Phase C ingredients to Phase A/B. Continue stirring with a gentle speed for 30 minutes.
4. Add Phase D to Phase A/B/C and continue stirring.
5. Combine Phase E ingredients and add to main batch, mix until uniform.
6. Begin cooling using a propeller mixer and mix at a gentle speed. Add Phase F to batch, mix until uniform.
7. Adjust pH to 5.8—6.2 using Phase G. Add Phase H and Phase I below 50°C. Mix until uniform.

Reference: F20211026-01

continued...

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SPECIFICATIONS

Viscosity: RVDV-II. Spindle T-D(92). 6rpm 40,000-45,000 cps

Appearance: Thick opaque gel

pH: 6.00

ADVANTAGES

BENTONE HYDROCLAY™ 2000 helps to provide good oil control to scalp care products, while also providing volume to the hair.

THIXICIN® R PC helps to stabilize the system by providing superb suspension of the Kaolin, while also giving good thixotropic properties.

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