



Sulfate-Free Exfoliating Facial Cleanser

Rheomer[®] 33

PERSONAL CARE FORMULATION PC-1096

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This oil free, clear facial cleanser invigorates the skin with exfoliating beads suspended by our rheological modifier, **Rheomer[®] 33**. An extremely soft and non-drying skin feel is achieved with this combination of gentle cleansers

INGREDIENTS (INCI NAME)	FUNCTION	WT, %	PROCESS
Water	Carrier	QS to 100	<ol style="list-style-type: none"> 1. Add Mirataine CBS to most part (~95%) of deionized water while mixing gently 2. Add Mackanate EI and Lincocide K and mix until uniform 3. Add Rheomer 33 and mix until homogeneous 4. Add Florapearls Evergreen STD beads while mixing gently 5. Add Glycerin and Mackamide LAME 6. Neutralize slowly to pH 6.5 with sodium hydroxide solution (15%) and while mixing gently until uniform 7. Add fragrance, dye and the remaining deionized water and mix until uniform 8. Check pH and adjust if necessary
Mirataine[®] CBS⁽¹⁾ (Cocamidopropyl Hydroxysultaine)	Surfactant	5.18	
Mackanate[®] EL⁽¹⁾ (Disodium Laureth Sulfosuccinate)	Surfactant	26.51	
Rheomer[®] 33⁽¹⁾ (Polyacrylate-33)	Rheological Agent	9.6	
Sodium Hydroxide	Alkaline	QS to 6.5	
Mackamide[®] LAME-100⁽¹⁾ (Acetamide MEA, Lactamide MEA)	Surfactant	0.50	
Glycerin	Humectant	0.50	
Lincocide K	Preservative	QS	
Green Dye	Dye	QS	
Fragrance Aloe and Cucumber ⁽³⁾	Fragrance	0.50	
Metapearls 1 STD green ⁽²⁾ (Polyethylene)	Exfoliating Beads	0.30	

Suppliers: (1) Rhodia (2) Floratech (3) Belle-Arie Fragrances

Typical Properties

Appearance	Clear viscous liquid
Viscosity at 25°C	7,000-10,000 cps (LVT, spindle 3, 12 rpm)
pH @ 25°C	5.0 to 6.0
Solids, %	15-17%
Storage-Stability	Stable for 1 month (25°C; 45°C ; 4°C) 3 cycles Freeze/Thaw

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