



Jojoba-Mac Shine & Conditioning Shampoo

Products highlighted: *Floraesters® K-20W Jojoba, Florasolvs® PEG-120 Jojoba, and Florasolvs PEG-16 Macadamia*

A cleansing and conditioning shampoo that leaves hair shiny, static-free, and easy to comb through.

Phase	Trade/Common Name	INCI Name	Manufacturer	%wt./wt.
A.	Deionized Water	Water	-----	q.s.
	Versene® 220 Crystals	Tetrasodium EDTA	The Dow Chemical Co.	0.10
	Floraesters K-20W Jojoba	Hydrolyzed Jojoba Esters (and) Water (Aqua)	Floratech	5.00
	Florasolvs PEG-120 Jojoba	Jojoba Wax PEG-120 Esters	Floratech	3.00
B.	Sulfochem® ES-2	Sodium Laureth Sulfate	Lubrizol Corporation*	20.50
	Sulfochem® SLS	Sodium Lauryl Sulfate	Lubrizol Corporation*	11.50
	Sulfochem® ALS	Ammonium Lauryl Sulfate	Lubrizol Corporation*	2.00
	Florasolvs PEG-16 Macadamia	PEG-16 Macadamia Glycerides	Floratech	3.00
	Mackamide® L-10	Lauramide DEA	Rhodia Novincare	5.00
C.	Citric Acid (20% solution)	Citric Acid (and) Water	DSM Nutritional Products	0.20
	Sodium Chloride (20% solution)	Sodium Chloride (and) Water	-----	3.00
	Preservative	-----	-----	q.s.
	Fragrance ¹	Fragrance	-----	q.s.
	Color (optional)	-----	-----	q.s.
				TOTAL

Mixing Procedure

1. Heat deionized water to 80°C with medium/slow propeller agitation. Mix in Versene 220 Crystals and stir until dissolved. Add the Floraesters K-20W Jojoba and mix until completely dissolved. Add the Florasolvs PEG-120 Jojoba and mix until completely dissolved.
2. Add the ingredients of Phase B in the order listed at 80°C. Allow time for each component to completely mix in.
3. Cool mix temperature to 45°C and add each component of Phase C in the order listed. Allow final mix to cool to room temperature.

* Supplied by Essential Ingredients

¹ Fragrance Sea Shore supplied by Symrise

Typical Properties: pH: 8.5 - 9.4
Viscosity: 1,400 - 4,000 cP

Note: The information herein is based on our research and the research of others and is believed to be accurate. No guarantee of accuracy is made and the products are sold without warranty, expressed or implied and upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes. Likewise, statements concerning the possible use of these products are not intended as recommendations to use these products in infringement of any patent or in the treatment, prevention, or cure of any medical condition. (Cleared for Public Disclosure).

Date Originated: January 2002

Revision Date: August 2009
File Name: H008h - Jojoba-Mac Shine & Cond Shampoo.doc