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## Gentle Conditioning Shampoo with Macadamia

*Products highlighted: Florasolvs<sup>®</sup> PEG-16 Macadamia*

This clear shampoo is very mild and offers very low eye irritation.

Phase	Trade Name	INCI Name	Supplier	%wt./wt.
A.	Deionized Water	Water		Q.S.
	UCARE Polymer LR 400	Polyquaternium-10	Amerchol	0.40
	Versene 220 Crystals	Tetrasodium EDTA	Dow	0.08
B.	Mackanate DC 30	Disodium dimethicone copolyol sulfosuccinate	McIntyre	16.00
	Sulfochem ES-2	Sodium Laureth Sulfate	Chemron	15.00
	Lexaine C	Cocamidopropyl Betaine	Inolex	4.00
	Standamid KD	Cocamide DEA	Cognis	3.00
	Sodium Chloride (20% soln.)	Sodium Chloride		2.40
C.	<b>Florasolvs PEG-16 Macadamia</b>	<b>PEG-16 Macadamia Glycerides</b>	<b>Floratech</b>	<b>8.00</b>
	Preservative	-----		Q.S.
	Citric Acid (20% Solution)	Citric Acid	DSM	0.20
D.	Fragrance	Fragrance		Q.S.
	Color (optional)	-----		Q.S.
			<b>TOTAL:</b>	<b>100.00</b>

### Mixing Procedure:

1. Heat water to 80°C. Add Polyquaternium-10 slowly with rapid propeller agitation. Stir for 20 minutes. Add Tetrasodium EDTA. Stir for 5 minutes.
2. Add Phase B in order listed to Phase A. Keep the temperature at 75-80° C. Mix until uniform.
3. Add Phase C in order listed to Phase AB and mix until uniform. Cool to 40-45°C.
4. Add Phase D and mix until uniform. Cool to room temperature.

Note: The information herein is based on our research and the research of others and is believed to be accurate. No guarantee of their accuracy is made and the products discussed 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.