

# 100 % CONCENTRATED

## 2in1 Shampoo & Conditioner Butter

This super concentrated butter shampoo gives creamy, dense foam and provides mild cleansing with excellent conditioning for your hair. The sulfate-free surfactants **SODIUM LAUROYL METHYL ISETHIONATE** and **SODIUM COCOYL ISETHIONATE** are formulated into this shampoo to provide creamy and mild foam. The microemulsion of a quaternary ammonium silicone provides superior wet and dry combing and conditioning effect. Cardo Oil has properties against UVA radiation and oxidation due to the content of phyto-sterols and vitamin E. Take a small amount of shampoo and spread onto wet hands, then apply to hair and use as a normal shampoo.

Phase	Trade name	INCI	Dosage % wt.	Supplier
A	Water	AQUA	5.00	
	Glycerin 99 %	GLYCERIN	41.00	STOCKMEIER
	Panthenol 75 %	PANTHENOL, AQUA	0.70	STOCKMEIER
B	Activsoft C-17	GUAR HYDROXYPROPYLTRIMONIUM CHLORIDE	0.20	INNOSPEC
	Glycerin 99 %	GLYCERIN	4.00	STOCKMEIER
C	Citric Acid 50 %	CITRIC ACID	trace	STOCKMEIER
D	Sorbitol T	SORBITOL	8.00	ECOGREEN
	Iselux®	SODIUM LAUROYL METHYL ISETHIONATE	17.50	INNOSPEC
	Natrlquest® E30	TRISODIUM ETHYLENEDIAMINE DISUCCINATE	1.50	INNOSPEC
	Cardo Oil	CYNARA CARDUNCULUS SEED OIL	4.00	BIONAP
	Aprisoft SB 45	BUTYROSPERMUM PARKII BUTTER	1.00	STOCKMEIER
	Vitamin E Acetate	TOCOPHERYL ACETATE	0.50	STOCKMEIER
	Pureact I-78	SODIUM COCOYL ISETHIONATE	12.50	INNOSPEC
F	BRB 5446	SILICONE QUATERNIUM-17, TRIDECETH-7, TRIDECETH-5	2.00	BRB
G	Fragrance: Glossy Hair 2022991	PARFUM	0.70	Düllberg
	Phenoxyethanol	PHENOXYETHANOL	1.00	STOCKMEIER
	Benzyl Alcohol	BENZYL ALCOHOL	0.40	STOCKMEIER

Please contact your regional STOCKMEIER\* Personal Care sales representative to ensure that all products are distributed in your country. (\*HDS – KEMTAN – QUARON – STOCKMEIER)

### Procedure

- Mix part (A) in vessel with stirring.
- Separately mix part (B) in order to disperse the Activsoft C-17 into the Glycerin.
- Add part (B) to part (A) with stirring.
- Add trace amount of citric acid to hydrate the Activsoft C-17. The solution will clear. Begin heating to 85 °C.
- Add Sorbitol then Iselux® and mix until fully dissolved. Slowly add Natrlquest® E30 until solution becomes clearer (D).
- Allow formulation to cool to ~65 °C then slowly add the components of phase E. Mix until uniform.
- Cool to 50 °C with stirring, add F and mix until uniform.
- Add fragrance and preservative and mix until uniform (G).
- Pour formulation into packaging at ~45 °C.

### Stability

Product was stable during 4 weeks with repeated cycles from 5 °C to 40 °C

### Referenz: 240719

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