



Clear deodorant stick

ACTS21489

Phase	Ingredient	INCI name	Supplier	Function	Wt.%
A	Distilled water	Aqua	—	Solvent	16.00%
	Zemea[®] propanediol	Propanediol	CovationBio PDO	Solvent	60.00%
	Sodium hydroxide (10% sol.)	Sodium hydroxide	—	pH adjuster	9.50%
B	Stearic acid	Stearic acid	Cremer	Emollient/ thickener	6.00%
C	POLYALDO [®] 10-1-CCKFG	Polyglyceryl-10 caprylate/caprata	Lonza	Surfactant	8.00%
D	Fragrance	—	—	—	0.50%
Total					100.00%

Formula provided by: ACT Solutions Corp., Newark, Delaware, USA

Procedure

1. Add phase A in a clean beaker and heat to 85-95°C.
2. Add phase B into phase A and continuously mix the mixture at high temperature (85-95°C). A clear solution will be observed.
3. Add the water that was evaporated from heating and add phase C into the clear mixture.
4. Reduce the heat to 80°C and add phase D with stirring.
5. Transfer to packaging at 80°C.