

Guide Formulation

Exfoliating soap bar with SIPERNAT® 2200 PC

SIPERNAT® 2200 PC for a gently exfoliating effect

PHASE	INGREDIENTS	INCI NAME	% W/W	FUNCTION
1		Soap noodles	93.0	Surfactant
		Glycerin	1.5	Humectant
		Polybutene	0.5	Excipient
2		Water	2.0	Water
	SIPERNAT® 2200 PC	Hydrated silica	3.0	Exfoliating particles
		Perfume	q.s	Perfume
Total			100.0	

PROCESSING

- Add phase 1 into the Hooper and refine twice
- Mix all ingredients of phase 2 in a separate beaker
- Combine phase 2 to phase 1 in a conventional mixer and mix for 5 min
- Add the mixture in the Hooper again and refine repeatedly until homogeneity is achieved (about four times)
- Extrude twice using a small die plate
- Extrude once using a big die plate (NB: Expect a round sausage-like soap)
- Cut into small manageable pieces and press into desired soap bars using the soap presser

Note: All formulations have been subjected to stability tests and have been shown to perform well. However, formulators should always perform their own stability tests when adapting formulations and / or using raw materials from other sources.

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