

Guide Formulation

Sulfate-free exfoliating gel with SIPERNAT® 2200 PC*

Spherical exfoliating particles combined with a mild sulfate-free texture

PHASE	INGREDIENTS	INCI NAME	% W/W	FUNCTION
1		Aqua	a.d. 100	Water
		Acrylates copolymer	7.0	Viscosity enhancer, stabilizer
2		Sodium methyl 2-sulfolaurate, disodium 2- sulfolaurate	14.0	Non-ionic Surfactant
		Decyl glucoside	5.0	Non-ionic Surfactant
3		Aqua, sodium hydroxide	q.s.	pH adjustment
4		Cocamidopropyl betaine	8.0	Amphoteric surfactant
		Coco betaine	2.0	Amphoteric surfactant
5		Preservative	q.s.	Preservative
		Fragrance	q.s.	Fragrance
6	SIPERNAT® 2200 PC	Hydrated silica	4.0	Exfoliating particles
		Total	100.0	

* developed by Azelis no. 1707N.05

PROCESSING

- Add acrylates copolymer to the water while stirring
- Add phase 2 while stirring
- Neutralize with sodium hydroxide to pH 6.5 and let under gentle stirring for further 10 minutes
- Add all ingredients of phase 4, 5 and 6 while gentle stirring
- Check pH and if necessary adjust to 6.0–6.5 to improve transparency

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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