

## Guide Formulation

**Calming after shave balm with AEROSIL® R 816 (o/w Pickering emulsion)\***

## AEROSIL® R 816 for particle stabilized emulsions

PHASE	INGREDIENTS	INCI NAME	% W/W	FUNCTION
1		Water	a.d. 100	Water
		Allanoin	0.10	Anti inflammatory
		Methylpropanediol	3.40	Solubilizer
		<b>AEROSIL® R 816</b>	<b>Silica cetyl silylate</b>	<b>1.00</b>
		Dehydroxanthan gum	0.35	Rheology modifier
2		Aqua; aloe barbadensis extract	1.05	Active
		Glycerin, cucumis sativus (cucumber) fruit extract	1.35	Active
		Ethanol	5.10	Stabilizer, preservative
3		Neopentyl glycol diheptanoate	6.85	Emollient
		Glyceryl undecylenate	0.35	Emollient, emulsifier
4		Bisabolol	0.10	Anti inflammatory
		Fragrance	0.25	Fragrance
		<b>Total</b>	<b>100.00</b>	

\* developed by Azelis no. 7495-5-3

**PROCESSING**

- Pre-disperse phase 1
- Add phase 2 to phase 1
- Add phase 3 to phase 1 and homogenize with a turrax
- Add phase 4 to phase 1, 2, 3
- Adjust pH to 6.0

**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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