

Guide Formulation

Pickering emulsion face cream (o/w) with AEROSIL® R 816

AEROSIL® R 816 for particle stabilized emulsions

PHASE	INGREDIENTS	INCI NAME	% W/W	FUNCTION
1		Water	a.d. 100	Water
		Glycerin	11.0	Humectant
	SIPERNAT® 11 PC	Hydrated silica	2.0	Sensory modifier
		Preservative	1.0	Preservative
2	AEROSIL® R 816	Silica cetyl silylate	2.0	Particle based stabilizer
3		Caprylic/capric triglyceride	11.0	Emollient
		Argania spinosa (argan) kernel oil	7.0	Emollient
		Persea gratissima (avocado) oil	5.0	Emollient
		Tocopheryl acetate	0.1	Antioxidants
		Xanthan gum	0.2	Rheology modifier
4		Fragrance	q.s.	Fragrance
	Total		100.0	

PROCESSING

- Combine and mix all components of phase 1
- Add AEROSIL® R 816 slowly to the water phase while gentle stirring until all silica has been incorporated
- Homogenize under vacuum
- Combine all ingredients of the oil phase 3 and add to the water phase at moderate speed
- Homogenize with high shear mixing
- Add the fragrance and mix further with moderate speed

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.

Pickering emulsion face cream (o/w) with AEROSIL® R 816

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

® = registered trademarks of Evonik Industries AG or one of its subsidiaries.

EUROPE / MIDDLE EAST / AFRICA / LATIN AMERICA

Evonik Resource Efficiency GmbH

Business Line Silica
Rodenbacher Chaussee 4
63457 Hanau
Germany

Phone +49 6181 59-12532
Fax +49 6181 59-712532

ask-si@evonik.com
www.evonik.com

NORTH AMERICA

Evonik Corporation

Business Line Silica
299 Jefferson Road
Parsippany, NJ 07054-0677
USA

Phone +1 800 233-8052
Fax +1 973 929-8502

ask-si-nafta@evonik.com
ask-si-nafta@evonik.com

ASIA PACIFIC

Evonik (SEA) Pte. Ltd.

Business Line Silica
3 International Business Park
#07-18, Nordic European Centre
Singapore 609927

Phone +65 6809-6877
Fax +65 6809-6677

ask-si-asia@evonik.com