

# Dry Touch Wet Skin Oil SPF 50

## UV-DE-18-036-1-4

Created by BASF. The formulation has been developed in order to give general guidance only. It does not constitute any guarantee or warranty.

Phase	Ingredients	INCI Name	% w/w	Function
A	Cetiol® C 5 (BASF)	Coco-Caprylate	5.50	Emollient
	Cetiol® B (BASF)	Dibutyl Adipate	15.00	Emollient
	Cetiol® OE (BASF)	Dicaprylyl Ether	15.00	Emollient
	Cetiol® Sensoft (BASF)	Propylheptyl Caprylate	10.00	Emollient
	Neo Heliopan OS	Ethylhexyl Salicylate	5.00	UV-B filter
	Uvinul® T 150 (BASF)	Ethylhexyl Triazone	4.00	UV-B filter
	Uvasorb HEB	Diethylhexyl Butamido Triazone	2.50	UV-B filter
	Uvinul® A Plus (BASF)	Diethylamino Hydroxybenzoyl Hexyl Benzoate	10.00	UV-A filter
	Tinosorb® S (BASF)	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	4.50	Broad spectrum UV filter
B	<b>AEROSIL® R 974</b>	<b>Silica Dimethyl Silylate</b>	<b>3.50</b>	<b>Rheology modifier</b>
C	Cetiol® Ultimate (BASF)	Undecane, Tridecane	15.00	Emollient
		<b>Total</b>	<b>100.00</b>	

### Processing

- Prepare Phase A and heat to 80°C.
- Add Phase B under vigorous stirring.
- Cool down to room temperature.
- Below 60° C add Phase C. Oil will become transparent.

# Dry Touch Wet Skin Oil SPF 50

## UV-DE-18-036-1-4

### Specifications

Viscosity: 20-60 mPa s

(Brookfield; DV-III+; spindle LV1; 10 rpm; 25°C)

### Performance

SPF in silico: 55

(BASF Sunscreen Simulator - in silico determination of the sun protection factor)

SPF in vivo: 65

(ISO 24444 - In vivo determination of the sun protection factor)

UVA-PF in vitro: 17.0

(BASF internal method Nr. 55 - determination of the in vitro SPF & UVA Protection Factor (UVA-PF))

#### 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.

# Dry Touch Wet Skin Oil SPF 50

## UV-DE-18-036-1-4

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.

**AEROSIL®** is a registered trademark of Evonik Industries or its subsidiaries.

### EUROPE / MIDDLE-EAST / AFRICA / LATIN AMERICA

Evonik Operations GmbH  
Silica business line  
Rodenbacher Chaussee 4  
63457 Hanau-Wolfgang  
Germany

Phone +49 6181 59-8118  
Fax +49 6181 59-78118  
ask-si@evonik.com  
www.silica-specialist.com

### ASIA / PACIFIC

Evonik (SEA) Pte. Ltd.  
Silica business line  
3 International Business Park  
#07-18 Nordic European Centre  
Singapore 609927

Phone +65 6 809-6851  
Fax +65 6 809-6651  
ask-si-asia@evonik.com

### NORTH AMERICA

Evonik Corporation  
Silica business line  
299 Jefferson Road  
Parsippany, NJ 07054-0677  
USA

Phone +1 888 745-4227  
Fax +1 732 981-5275  
ask-si-nafta@evonik.com

**The Silica specialists at Evonik – Inside, to get it right.**