



# Cosmetics

# RR 8165

## Baycusan® C 2000

### Sport Sunscreen SPF 30

% by wt.

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<b>Phase A</b>	Butyl Methoxydibenzoylmethane	4.00
	Homosalate	7.00
	Octocrylene	7.00
	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	2.00
	Ethylhexyl Salicylate	5.00
	Butylene Glycol	2.50
	C12-15 Alkyl Benzoate	4.38
	Dicaprylyl Carbonate <sup>1)</sup>	5.84
<b>Phase B</b>	Tridecyl Salicylate <sup>2)</sup>	2.92
	Cyclopentasiloxane	1.46
	Caprylyl Methicone <sup>3)</sup>	1.46
	<b>Baycusan® C 2000</b>	4.88
	Alcohol Denat.	51.56
		100.00

#### Raw materials

- 1) Cetiol® CC, BASF
- 2) Cosmacol® ESI, Sasol
- 3) Silsoft™ 034, Momentive

#### Processing

Heat phase A to 80°C while stirring. In a separate vessel, mix phase B. Add phase B to phase A while stirring at 40°C. Start to cool down to room temperature under stirring.



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### Notes

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In vivo SPF (International Norm ISO 24444:2010 on 5 volunteers) = 35.

In vivo SPF on wet skin (International Norm ISO 24444:2010 on 5 volunteers) = 27.4.

In vitro UVA-PF (with pre-irradiation ISO 24443 Method) = 18.7.

Water-resistant formulation (Colipa Guidelines, December, 2005 on 5 volunteers).

Salty water-resistant formulation (Colipa Guidelines, December, 2005 on 5 volunteers).

Sweat resistant formulation (International Norm ISO 24444:2010 on 5 volunteers).

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The above formulation is intended solely as a guide for our business partners and others interested in our products. Further, although the ingredients, quantities thereof and properties of compounds or finished goods mentioned herein reflect our recommendation at the time of publication, this guide may not be subject to continuous review and/or updating, and you agree that use is undertaken at your sole risk. All information is given without warranty or guarantee, and it is expressly understood and agreed that you assume, and hereby expressly release us from, all liability, in tort, contract or otherwise, incurred in connection with the use of this guide.

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