



Cosmetics

RR 8080

Baycusan® C 1000

Non Nano Sun Lotion SPF 30 with HEV protection (DAAB)

		% by wt.
Phase A	Aqua	30.20
	Microcrystalline cellulose (and) Algin ¹⁾	0.10
	Xanthan Gum	0.10
	Glycerin	5.00
	Disodium EDTA	0.05
	Titanium Dioxide (and) Water (and) Polyglyceryl-2 Caprate (and) Sucrose Stearate (and) Simmondsia Chinensis (Jojoba) Seed Oil (and) Stearic Acid (and) Alumina (and) Glyceryl Caprylate (and) Squalane ²⁾	6.00
Phase B	C12-15 Alkyl Benzoate	12.00
	Dibutyl Adipate	8.00
	Propylheptyl Caprylate	5.00
	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	6.00
	Ethylhexyl Triazone	1.00
	Diethylamino Hydroxybenzoyl Hexyl Benzoate	5.00
	Bis-Ethylhexyl Hydroxydimethoxy Benzylmalonate ³⁾	0.50
	Diethylhexyl Butamido Triazone	4.00
	Water (and) Sodium Dilaureamidoglutamide Lysine (and) Butylene Glycol ⁴⁾	0.90
	Acrylates/C10-30 Alkyl Acrylate Crosspolymer ⁴⁾	0.10
Phase C	Alcohol	10.00
Phase D	Baycusan® C 1000	6.00
	Sodium Hydroxide (pH 6.5 - 7.0)	0.05
		100.00

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Raw materials

- 1) Avicel® PC 815, FMC BioPolymer
- 2) Solaveil™ XT-40W, Croda
- 3) Pellicer™ LB-10, Asahi Kasai
- 4) Pemulen™ TR-2, Lubrizol

Processing

1. Phase A is combined at room temperature under stirring and strongly homogenized
2. Add all ingredients of phase B in a separate vessel under stirring, while heating to 80°C.
3. When the phases are uniform, add phase A to phase B and homogenize.
4. At 40°C add phase C under stirring
5. Add Baycusan® C 1000 and mix. The emulsion is homogenized. Check pH. If necessary adjust with sodium hydroxide to 6.5 - 7.0

Notes

In vivo SPF (International test method on 5 volunteers) = 40.2
Water-resistant formulation: 86.3% (Colipa test method on 5 volunteers)

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.

Published by: Coatings, Adhesives & Specialties
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