



# Cosmetics

# RR 8146

## Baycusan® C 1004

### Anti-Sand Kids Lotion SPF 50

% by wt.

<b>Phase A</b>	Aqua	36.15
	Microcrystalline Cellulose, Cellulose Gum <sup>1)</sup>	0.15
	Disodium EDTA	0.05
	Glycerin	1.00
<b>Phase B</b>	Ethylhexyl Salicylate	5.00
	Coco-Caprylate	5.00
	Dibutyl Adipate	3.00
	Propylheptyl Caprylate	4.00
	C12-13 Alkyl Lactate	4.00
	Diisopropyl Sebacate	5.00
	Diethylhexyl Butamido Triazone	6.00
<b>Phase C</b>	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	2.00
	Butyl Methoxydibenzoylmethane	4.00
	Diethylamino Hydroxybenzoyl Hexyl Benzoate	2.00
	Ethylhexyl Triazone	3.00
	Polyglyceryl-6 Stearate (and) Polyglyceryl-6 Behenate <sup>2)</sup>	2.00
	Polyisobutene	1.00
	Acrylates / C10-30 Alkyl Acrylate Crosspolymer <sup>3)</sup>	0.10
<b>Phase D</b>	Methylpropanediol / Caprylyl Glycol / Phenylpropanol <sup>4)</sup>	1.50
	Dimethicone	2.00
	Dimethicone (and) Polysilicone-11	3.00
	Distarch phosphate <sup>5)</sup>	3.00
	Fragrance	0.05
<b>Phase E</b>	<b>Baycusan® C 1004</b>	7.00
		100.00



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### Raw materials

1. Alvicel® PC 611, FMC Health and Nutrition
  2. TEGO® Care PBS 6, Evonik
  3. Pemulen™ TR-2, Lubrizol
  4. Dermosoft® OMP, Dr. Straetmans
  5. Rice PO4 Natural 9031, Agrana
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### Processing

Heat phase A to 40°C while mixing. In a separate vessel heat phase B to 90°C and stir for 30 minutes. Add phase C to phase B while maintaining the temperature to 80°C. Add phase B + C to phase A under continuous homogenizing and cooling. Once phase B+C has reached 40°C add phase D and homogenize strongly for 5 min. Finally add phase E and stir strongly without homogenization. Check pH. If necessary adjust pH to 6.5-7.0 with Sodium Hydroxide.

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### Notes

In vivo SPF (International Norm ISO 24444:2010 on 5 volunteers)=48.3  
Sand resistant formulation (International Norm ISO 24444:2010 on 5 volunteers)

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