

Model Recipe

Body Moisturizing Sun Spray

Recipe Number: DE/00/006/3

Phase	Component	INCI	%	Function
I.	EMULGADE [®] SE-PF	Glyceryl Stearate (and) Ceteareth-20 (and) Ceteareth-12 (and) Cetearyl Alcohol (and) Cetyl Palmitate	6.0	O/W cream base SE
	EUMULGIN [®] B 3	Ceteareth-30	2.5	O/W-emulsifier
	CETIOL [®] CC	Dicaprylyl Carbonate	4.0	Emollient
	CETIOL [®] SN	Cetearyl Isononanoate	2.0	Emollient
	MYRITOL [®] 331	Cocoglycerides	2.0	Emollient
		Ethylhexyl Methoxycinnamate	5.0	UV-B filter
		4-Methylbenzylidene Camphor	2.0	UV-B filter
		Butyl Methoxydibenzoylmethane	1.5	UV-A filter
II.	Glycerin	Glycerin	5.0	Moisturizer
		Phenylbenzimidazole Sulfonic Acid	13.3	UV-B filter
	Water, de-ionized	Aqua	56.6	
III.	NaOH (10%)	Sodium Hydroxide	0.1	Neutralizing agent
IV.	Preservative		q.s.	
	pH-value		6.5	
	Viscosity (mPas) Brookfield, RVF, 23°C, spindle 5,10 rpm		< 400	

Preparations in the laboratory

Heat phase I to 85°C and stir until homogeneous. Heat phase II to 85°C and add slowly into phase II while stirring. Allow the emulsion to cool with stirring, avoiding the incorporation of air. Add phase III if available at 40°C. Add phase IV if available at < 40°C.
Stop stirring at 30°C.

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