

# Ultra-light dry touch sun lotion SPF 50

Very water-  
resistant lotion



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## Very water-resistant lotion

A very water-resistant broad-spectrum sun lotion formulation (80 min).

PHASE	INGREDIENTS	INCI NAME	% W / W	SUPPLIER
A	PARSOL® 1789	Butyl Methoxydibenzoylmethane	3.00	100288
	PARSOL® 340	Octocrylene	2.70	100288
	PARSOL® HMS	Homosalate	15.00	100288
	PARSOL® EHS	Ethylhexyl Salicylate	5.00	100288
	PARSOL® SLX	Polysilicone-15	0.90	100288
	PARSOL® MCX	Ethylhexyl Methoxycinnamate	3.00	100288
	AMPHISOL® K	Potassium Cetyl Phosphate	2.00	100288
	Lanette O	Cetearyl Alcohol	1.20	100037
	Butylated Hydroxytoluene	BHT	0.05	100230
	Euxyl PE 9010	Phenoxyethanol, Ethylhexylglycerin	1.00	100444
	Silsoft 034	Caprylyl Methicone	2.00	100394
	Paracera® M	Microcristallina Cera	1.00	100439
	Escalol 567	Benzophenone-3	5.00	100184
B	Water Dem.	Aqua	Ad 100	
	Glycerin 99.8%	Glycerin	5.00	
	Avicel PC 611	Microcrystalline Cellulose, Cellulose Gum	0.60	100500
	Keltrol	Xanthan Gum	0.20	100400
	Edeta BD	Disodium EDTA	0.10	100037
C	Allianz OPT	Acrylates/C12-22 Alkylmethacrylate Copolymer	2.00	100323
	VALVANCE® Touch 210	Silica	3.00	100288
	Parfum Sunny Island 49454693		0.30	101007

SU-E-500004-26

### PROCEDURE

- Heat part A to 85°C while stirring.
- Heat part B to 80°C and add to part A while stirring and homogenizing the emulsion.
- Cool down the emulsion to 40°C and add part C, homogenize thoroughly again. Cool down to ambient temperature while stirring.

### TECHNICAL DATA

**pH:** 6.0-6.5

**Viscosity** (Brookfield RV5/10rpm): 9 800 mPa.s

**SPF in vivo:** 56

**Critical Wavelength:** < 370 nm

(According to FDA SPF Test Method)

(According to FDA Broad Spectrum Test Method)

### SUPPLIERS

100288	DSM Nutritional Products Ltd
100037	BASF Aktiengesellschaft
100230	Merck KGaA
100444	Schülke & Mayr GmbH
100394	Clariant GmbH
100439	Paramelt B.V.
100184	ISP
100654	Emery Oleochemicals GmbH
100400	CP Kelco
100500	FMC Biopolymer
100323	Ashland
101007	Drom Fragrances GmbH & Ko. KG

Regulatory compliance in US for UV filters in formulation.

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DSM Nutritional Products, Personal Care, P.O.Box 2676, CH-4002 Basel, Switzerland