

SPF 30 (Very Water Resistant) SUNSCREEN SPRAY II

ZENESTER S, ZENESTER ME

	PHASE	INGREDIENT	FUNCTION	% BY WEIGHT	BATCH SIZE 2500.00
1.	A	WATER, DEIONIZED		49.27	1231.75
2.	A	PEMULEN TR2 (2% SOLN)	POLYMERIC EMULSIFIER	12.50	312.50
3.	A	ZENESTER S (PEG-8 Dimethicone Dimer/Dilinoleic Acid Copolymer	WATER SOLUBLE. EMOLLIENT	1.00	25.00
4.	B	ZENESTER ME (PEG-Dimethicone Dimer/Dilinoleic Acid Copolymer	WATER DISPERSIBLE POLYMERIC EMOLLIENT	2.00	50.00
5.	B	TRIVENT DIDA	EMOLLIENT	8.00	200.00
6.	B	OXYBENZONE	SUNSCREEN	4.00	100.00
7.	B	OCTOCRYLENE	SUNSCREEN	10.00	250.00
8.	B	OCTYL METHOXYCINNAMATE	SUNSCREEN	7.50	187.50
9.	C	TRIETHANOLAMINE 99%	NEUTRALIZER/PH ADJUSTER	0.18	4.50
10.	D	WATER DEIONIZED		5.00	125.00
11.	D	NA2EDTA	CHELATING AGENT	0.10	2.50
12.	D	GLYDANT	PRESERVATIVE	0.20	5.00
13.	E	BELLE AIRE LILAC TREE 25661	FRAGRANCE	0.25	6.25

This oil in water sprayable lotion exhibits excellent stability is easy to spray and is very water resistant. Zenester S noticeably improves spreadability while Zenester ME acts to couple the sunscreens together in the oil phase which insures that they will be uniformly distributed on the skin, which optimizes SPF performance. Additionally, it helps reduce particle size (or the oil droplets) of this emulsion, further improving emulsion stability.

Manufacturing instructions: COMBINE PHASES A AND B AT 70C. ADD PHASE C. COOL TO 35C AND ADD PHASES D AND E. HOMOGENIZE AND PACKAGE.

PH: 5.07 VISCOSITY: 5000 CPS

Formula courtesy of 

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