

Sunscreen By The Sea

S-2000-02

DESCRIPTION

A watery sunscreen, which is sprayable or possible to use in an aerosol. Beautifully light, it does not leave a greasy residue on the skin.

ADVANTAGES

BENTONE® LUXE WS improves emulsion stability, while allowing better sprayability and application of the formulation. It also optimizes the efficacy of the sunscreen actives.

SPECIFICATIONS

Viscosity: DV-II. Spindle 4. 100rpm
294 cps

Appearance: Thin white lotion

Phase	Ingredient	Supplier	%w/w
A	Deionized Water		42.30
	Glycerin		1.00
	Sodium Chloride		0.50
	Disodium EDTA (Edeta BD)	BASF	0.20
B	Dimethicone (KF-96L-2cs)	Shin Etsu	15.00
	Isononyl Isonanoate (Waglinol 1449 NG)	IQL	8.00
	C12-15 Alkyl Benzoate (Finsolv TN)	Innospec	8.00
	Cyclopentasiloxane (and) PEG-10 Dimethicone (and) Distearidimonium Hectorite (BENTONE® LUXE WS)	Elementis	5.00
	Homosalate (Eusolex HMS)	Merck	5.00
	Octocrylene (Eusolex OCR)	Merck	5.00
	Ethylhexyl Salicylate (Eusolex OS)	Merck	3.00
	Butyl Methoxidibenzoylmethane (Eusolex 9020)	Merck	2.00
	Ethylhexyl Methoxycinnamate (Eusolex 2292)	Merck	2.00
	PEG-30 Dipolyhydroxystearate (Dehymuls LE)	BASF	1.00
	Nylon-12 (SP-10)	Kobo	1.00
Tocopheryl Acetate (Blanova Vitamin E Acetate)	Azelis	0.20	
C	Potassium Sorbate (and) Sodium Benzoate (and) Benzyl Alcohol (and) Water (Sharonmix 703)	SLI Chemical	0.80

Procedure:

1. Heat Phase A and Phase B separately to 75°C.
2. Add Phase A to Phase B using a Silverson homogenizer. Continue mixing for 10 minutes.
3. Cool to 30°C using propeller mixing and add Phase C. Mix until uniform.

Reference: 102-64

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