

1128 - Sprayable Lotion for Pump Sprays

Weight: 100.00g

Ingredient	INCI	Function	Percent	Wgt (g)	Wgt (oz)
Phase A					
Triglyceride	caprylic/capric triglyceride	Emollient	6.00	6.00	0.21
Octocrylene, USP	octocrylene	Emollient	4.00	4.00	0.14
OM-Cinnamate	octyl methoxycinnamate	Emollient	7.50	7.50	0.26
Dimethicone 500	dimethicone	Emollient	1.50	1.50	0.05
GelMaker EMU	sodium acrylate / sodium acryloyldimethyl taurate copolymer, isohexadecane, polysorbate 80	Thickener	0.20	0.20	0.01
Vitamin E (dl-alpha tocopheryl acetate)	dl-alpha tocopheryl acetate	Antioxidant	1.00	1.00	0.04
Phase B					
Distilled Water	aqua	Diluent	63.00	63.00	2.22
EDTA	tetrasodium EDTA (ethylenediaminetetraacetic acid tetrasodium salt)	Chelating Agent	0.20	0.20	0.01
Glycerin, USP	glycerin	Humectant	4.00	4.00	0.14
PEG-7 Glyceryl Cocoate	PEG-7 glyceryl monococoate	Emulsifier	5.00	5.00	0.18
Titanium Dioxide, Micronized	titanium dioxide, aluminum hydroxide, lauric acid	Texturizer	4.00	4.00	0.14
Aloe Vera 10x Concentrate	aloe barbadensis leaf juice	Botanical	1.00	1.00	0.04
Phase C					
Allantoin, USP	allantoin	Soothing	0.30	0.30	0.01
Vitamin A (retinyl palmitate)	retinyl palmitate	Vitamin	1.00	1.00	0.04
Phenoxyethanol	phenoxyethanol	Preservative	1.00	1.00	0.04
Fragrance Citrus Punch	fragrance	Fragrance	0.30	0.30	0.01

Procedure

This lotion can be processed at room temperature (no heating required). Give phase A into a clean and disinfected glass beaker and stir until the ingredients are well mixed. Prepare phase B in separate glass beaker. Add the EDTA until dissolved in the water, then add all other ingredients in order, stir after each ingredient. The titanium dioxide needs patience until "wet". Add phase A to phase B and stir thoroughly until uniform. Before adding phase C dissolve the allantoin in 1 tsp of distilled water, then add to phase A/B. Add the remaining ingredients of phase C to phase A/B and mix again well. If the sunscreen is too thick, GelMaker EMU can be reduced or omitted. However if this sprayable sunscreen should become a thicker lotion then GelMaker EMU can be increased (e.g 2-3%)

Properties

This sprayable sun lotion is formulated specifically for using pump sprays.
