

### Water-Resistant Cream (w/o) - 1127

Ingredient	Function	Percent	Wgt (g)	Wgt (oz)	Vol (tsp.)
<b>Phase A</b>					
Polyglyceryl Oleate (polyglyceryl-4 oleate)		5.00	12.00	0.42	2.40
Triglyceride (caprylic / capric triglyceride)		10.00	24.00	0.85	4.80
Isoeicosane (isoeicosane)		2.00	4.80	0.17	0.96
OM-Cinnamate (octyl methoxycinnamate)		7.00	16.80	0.59	3.36
Lanolin Alcohol (lanolin alcohol)		2.00	4.80	0.17	0.96
Vitamin E Acetate (dl-alpha tocopheryl acetate)		1.00	2.40	0.08	0.48
GelMaker EMU (sodium acrylate / sodium acryloyldimethyl taurate copolymer, isohexadecane, polysorbate 80)		0.50	1.20	0.04	0.24
Fragrance Coconut Lime Verbena		0.20	0.48	0.02	0.10
<b>Phase B</b>					
Distilled Water (aqua)		58.40	140.16	4.94	28.03
Titanium Dioxide, Micronized (titanium dioxide [CI 77891])		6.00	14.40	0.51	2.88
Glycerin (glycerin)		2.00	4.80	0.17	0.96
Tripeptide-5 Palmitoyl tripeptide-5, glycerin		4.00	9.60	0.34	1.92
Allantoin (allantoin)		0.20	0.48	0.02	0.10
Phenoxyethanol SA (phenoxyethanol, sorbic acid, caprylyl glycol)		1.50	3.60	0.13	0.72
EDTA (tetrasodium ethylenediaminetetraacetic acid tetrasodium salt)		0.20	0.48	0.02	0.10

#### Method

Give phase A into a clean, disinfected glass beaker. Heat phase A slowly to 150oF/66oC until all ingredients are melted and well dissolved. Prepare phase B in a separate glass beaker by adding the titanium dioxide slowly to the water phase and mixing very well, it takes some time to "wet" the powdery micronized titanium dioxide. Heat phase B to the same temperature as phase A. Add phase B slowly to phase A and mix well. Let it cool by gentle stirring. When below 100F/40oC mix it again with high speed.

#### Properties

This sunscreen lotion provides UVA and UVB protection, due to the water-in-oil emulsion it has water resistant properties. Tripeptide-5 helps against skin aging. Allantoin has soothing properties.