

**Protect and Defend Sun Emulsion**

SC-470

A broad spectrum w/o sunscreen with SPF 55 and UVA Boots 2 star rating. SOLAVEIL™ CT-200 synergistically boosts the SPF performance in combination with the organic UV filters, while enabling true transparency and desirable skin feel. CITHROL™ PGMIS enhances the solubility of benzophenone-3, also boosting SPF performance, while improving skin elasticity. CITHROL DPHS is a polymeric emulsifier that stabilizes this W/O emulsion. ARLAMOL™ PS15E adds skin moisturization properties and a light feel.

Ingredients	%
<b>Part A</b>	
Water	57.25
Magnesium Sulfate	0.70
Glycerin	4.00
Magnesium Aluminum Silicate <sup>2</sup>	0.20
<b>Part B</b>	
SOLAVEIL CT-200 (Titanium Dioxide (and) Isohexadecane (and) Aluminum Stearate (and) Alumina (and) Polyhydroxystearic Acid)	10.00
Ethylhexyl Methoxycinnamate	5.00
Benzophenone-3	4.00
Octocrylene	2.50
VP/Eicosene Copolymer <sup>3</sup>	1.00
CITHROL PGMIS (Propylene Glycol Isostearate)	4.00
ARLAMOL PS15E (PPG-15 Stearyl Ether)	3.00
Sunflower Seed Oil	3.00
Hydrogenated Castor Oil	1.00
CITHROL DPHS (PEG-30 Dipolyhydroxystearate)	2.00
<b>Part C</b>	
Aluminum Starch Octenylsuccinate <sup>4</sup>	1.50
Phenoxyethanol (and) Methylparaben (and) Propylparaben (and) 2-Bromo-2-Nitropropane-1,3-Diol <sup>5</sup>	0.70
Fragrance	0.15

Suppliers: 1. Croda 2. Veegum Ultra, R.T.Vanderbilt 3. Antaron V-220 4. Dry-Flo PC, National Starch 5. Nipaguard BPX, Clariant

**Procedure**

Combine Part A and heat to 80°C. Combine Part B and heat to 80°C. Add Part B to A. Homogenize for 2 minutes. Stir to 40°C and add Part C. Stir to room temperature.

**Non-warranty**

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