



Enabling Your Technology

Conditioning Lipstick with Vertasil® TM-VE1, TC Treated Pigments, & SS Treated Pearl

Unlike many silicones and silicone derivatives, Vertasil® TM-VE1 is easily incorporated into lip products due to its solubility of in a range of polar compounds, including castor oil. The benefits of Vertasil® TM-VE1 in lip products include conditioning, softening, and protection against the drying effects of the environment. The Triethoxycaprylylsilane (TC) surface treated pigments are easy to disperse into oil and improve wear on the lips. Stearyl triethoxysilane (SS) pearls have a more luxurious feel with improved adhesion vs. untreated pearls.

INCI name	Ingredient	Supplier	%
PHASE A			
Euphoria Cerifera (Candelilla) Wax	Candelilla	Ross Wax	6.00
Microcrystalline Wax	Microwax SP 19	Strahl & Pitsch	3.00
Ozokerite	Ozokerite 170D	Ross Wax	2.00
Copernicia Cerifera (Carnauba) Wax	Carnauba Wax	Strahl & Pitsch	1.00
Triisostearyl Citrate	Schercemol™ TISC	Lubrizol	30.00
Ricinus Communis (Castor) Seed Oil	Crystal O®	Vertellus	13.50
Octyldodecanol	Eutanol G®	BASF Care Creations	5.00
Octyldodecyl Stearate	Ceraphyl™ ODS	Ashland	7.50
Tocopheryloxypropyl Trisiloxane	Vertasil® TM-VE1	Gelest	2.50
Methylparaben			0.20
Propylparaben			0.10
PHASE B			
Ricinus Communis (Castor) Seed Oil	Crystal O®	Vertellus	10.00
Iron Oxides (& Triethoxycaprylylsilane)	RIA-TCA	Gelest	6.50
Titanium Dioxide (& Triethoxycaprylylsilane)	WIA-TCA	Gelest	2.50
Blue 1 Lake	C39-4433	Sun Chemical	0.10
Red 7 Lake	C19-7711	Sun Chemical	0.75
Red 6 Lake	C19-7712	Sun Chemical	1.35
PHASE C			
Mica & Titanium Dioxide (& Silica (& Stearyl Triethoxysilane)	SS Treated Timiron® Splendid Red	EMD/Gelest	8.00
TOTAL			100

PROCEDURE

- Combine Phase A and heat to 80-85C. Slowly stir under a propeller blade. Hold temperature.
- Disperse Phase B using a roller mill.
- Once Phase A is melted, add Phase B to Phase A and stir until pigments are fully dispersed.
- Add Phase C and stir until dispersed and uniform. Cool to pouring temperature while mixing, and then pour.

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Formula LF4-146