

## Lipstick formulation—natural oil and wax lipstick with Eastman Sustane™ SAIB

Part	Ingredient	INCI name	Manufacturer	Wt%
A	Castor oil	Ricinus communis (castor) seed oil	Alfa Aesar	7.5
	Grape seed oil	Hydrogenated grape seed oil	Seychelles Organics, Inc.	8.5
B	Eastman Sustane™ SAIB	Sucrose acetate isobutyrate	Eastman Chemical Company	16.0
	Schercemol™ TISC ester	Triisostearyl citrate	Lubrizol	8.8
C	Cetyl palmitate	Cetyl palmitate	Spectrum Chemical	4.4
	Beeswax	Beeswax	Koster Keunen, Inc.	4.4
	Candelilla wax	Euphorbia cerifera (candelilla) wax	MakingCosmetics, Inc.	5.3
	Paracera® C44	Copernicia cerifera (carnauba) wax, ceresin	Paramelt	2.6
D	Red mica	Mica	TKB Trading, LLC	3.5
	Red pigment	Pigment	TKB Trading, LLC	3.5
	Castor oil	Ricinus communis (castor) seed oil	Alfa Aesar	35.0
E	Vitamin E	Tocopherol	Sigma	0.5

### Procedure

1. Premix the colors in castor oil (part D) at room temperature to ensure uniformity.
2. Set the temperature of a hot plate to 75°C.
3. Melt all part C ingredients in a separate beaker on the hot plate. Blend the mixture by hand.
4. Stop heating. Add parts A and B to C and mix.
5. Add part D to the mixture. Mix to a uniform color. Add part E to the mixture. Stir slowly to get rid of air bubbles.
6. Fill the lipstick mold with the mixture.
7. Keep the mold in freezer (20°F) for 10 minutes.
8. Transfer the finished lipstick into case.

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