# Applechem Formulary - Color Cosmetics



# Highlight Your Lips! Stunning Splash Lipstick SPF 15+ (SC-LS 006 v2)

This densely pigmented lipstick features a creamy, lightweight sensory during application. It is stable despite the high pigment load which allows it to retain a stunning, intensive color pop on the lips while remaining durable and heat tolerant.

**Applecare PDS 300** evenly distributes highly-loaded mineral UV filters to provide a smooth sensory with UV-blocking effects. It greatly reduces the tacky afterfeel.

**G-GEL CCT 200** is an organoclay gel designed for high polarity ester oil formulas. It greatly boosts suspension and slip of color pigments, making it a crucial ingredient in stabilizing color cosmetics.

OleoFLEX are film forming elastomeric texturizers for natural oils. They increase water resistance and lock the UV actives and natural oils onto the skin. They can also serve as a soft wax substitute which provides smooth and cushioned with great payoff, rather than a hard and waxy feel.

**G-Block** products are COSMOS, NPA approved, high active mineral UV filter dispersions which give predictable SPF and broad-spectrum benefits. Their excellent spreadability simplifies formulation development and the manufacturing process.

### **Specifications**

- Freeze-Thaw: Passed 3 Cycles

PHASE	INCI NAME (TRADE NAME)	USAGE (WT%)
<b>A</b> <sub>1</sub>	Maxperse! 67% Liporganic/Inorganic Pigment Stock Paste (See Page 2 for formulation)	14.0
<b>A</b> <sub>2</sub>	G-Block DTB 400 CCT	7.00
	G-Gel CCT 200	5.00
$A_3$	C12-15 Alkyl Benzoate	7.00
	Isononyl Isononate (Dermol 99)	5.00
	Tridecyl Trimellitate	1.60
	Octyldodecanol	5.00
	Shea Butter	0.90
	Beeswax	1.50
	Euphorbia Cerifera (Candelilla) Wax	1.50
	Hydrogenated Castor Oil (Castorwax® MP-70)	2.50
	Ozokerite Wax	8.00
	Microcrystalline Wax	6.00
	C10-18 Triglycerides (Lipocire™ A SG)	7.00
	OleoFlex FG 100	9.00
	OleoFlex EG 200	14.0
В	Isododecane	4.00
	Preservative	0.50

### **Processing Method**

- 1. Mix Phase  $A_1$  and  $A_2$  with a dispersion blade at room temperature until uniform paste is formed (~15 minutes).
- 2. Add Phase  $A_3$  at 70-80 Celsius until uniform (~20 minutes). Add Phase B when cool down to 60 Celsius and continue mixing for 1-2 minutes.
- 3. Pour into hot mold immediately and put the mold in freezer for 2 hours.

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EDITION: MARCH 2022

REF #: LPS-1704-02A AND

HYL-220207-1

# Maxperse! 67% Liporganic/ Inorganic Pigment Stock Paste (CC P-008)

A super high loading, high intensity pigment predispersion that uses Applecare PDS-300 technology to boost pigment levels far beyond standard color predispersions.

Applecare PDS 300 provides even distribution of powders to provide a smooth sensory. The improved adhesion on the lip matches and defines lip's natural contour.

### **Specifications**

● 50°C oven: 1 month stable

Freeze-Thaw: Passed 3 Cycles

PHASE	INCI NAME (TRADE NAME)	USAGE (WT%)
A	Red D&C 7 CA Lake	13.7
	FD&C Yellow 6 Lake	9.68
	FD&C Yellow 5 Lake	6.13
	Blue 1 Lake	0.77
	Mica	4.72
	Russet Iron oxide	1.89
	Red Iron oxide	4.72
	Yellow Iron oxide	0.94
	Titanium Dioxide	24.4
В	Caprylic/Capric triglyceride	28.31
	Applecare PDS 300	4.74

## **Processing Method**

- 1. Blend Phase A in a blender to a homogenous color.
- 2. Mix and heat Phase B in a beaker with a dispersion blade at  $\sim$ 70 Celsius and add Phase A. Slowly increase to 2500 rpm and mix for 20 minutes.
- 3. Use 3 roll-mills to grind the dispersion twice (gap ratio 7:3 then 3:1).