

Castor oil at a glance

Castor oil has been the preferred base oil in lipsticks for decades as it has some unique properties among natural oils that make it a favourable choice for lipstick manufacture. Due to its hydroxyl functionality it is polar in nature, which allows for the dissolving of organic dyes and easy dispersion of pigments. It is also relatively viscous, which helps to keep pigments suspended during manufacture at elevated temperature. Modern manufacturing techniques such as using monochromatic bases and prolonged storage of pigment dispersions have created a need for more oxidatively stable base oils.

However, while castor oil is one of the more oxidatively stable natural oils, it still has potential

Lipstick Formulas

Ingredients	% w/w
Base Oil	40.00
Red No. 7 Calcium Lake	5.60
Dipentaerythrityl Hexa C5-9 Acid Esters	8.40
Propylene Glycol Dibenzate	11.00
Neopentyl Glycol Diheptanoate	15.00
Candelilla Wax	9.00
Ozokerite Wax	3.00
Microcrystalline Wax	3.00
Colorona Bordeaux	1.50
Colorona Glitter Bordeaux	1.50
Colorona Aborigine Amber	1.00
Tocopheryl Acetate	0.50
Caprylyl Glycol	0.50

Materials

Base Ester Oils

LexFeel[®]700¹ - Polyester-4

Crystal O² - Castor Oil

Cosmol 43³ - Polyglyceryl-2 Triisostearate

Cosmol 222³ - Diisostearyl Malate

Additional Materials

Red No. 7 Calcium Lake⁴

LexFeel[®]350¹ - Dipentaerythrityl Hexa C5-9 Acid Esters

LexFeel[®]Shine¹ - Propylene Glycol Dibenzate

LexFeel[®]7¹ - Neopentyl Glycol Diheptanoate

Candelilla Wax⁵

Ozokerite Wax⁵

Microcrystalline Wax⁵

Colorona Bordeaux⁶

Colorona Glitter Bordeaux⁶

Colorona Aborigine Amber⁶

Tocopheryl Acetate⁷

Lexgard[®]O¹ - Caprylyl Glycol

¹ Inolex Chemical Company ² CasChem ³ Nisshin Oil Mills

⁴ LCW-Sensient ⁵ Strahl and Pitsch

⁶ EMD Chemicals - Rona ⁷ BASF

Equipment

Oxidative Stability Instrument - Omnion

HSM-100LC Homogenizer - Ross Mixers

<http://www.cossma.com>

<http://www.cossma.com/subscription>

<http://www.cossma.com/tv>

Web-Link list: What are consumer's saying? (concerning LexFeel 700)

Here's just sample of consumer feedback about products containing LexFeel 700:

www.makeupalley.com

I LOVE [brand] lipsticks. 1) They don't smell 2) Affordable 3) Color is true 4) pigmented 5) no dryness 6) looks great!

...no odd fragrance...no vanilla smell or that rancid scent.

www.youtube.com

My [brand] lipsticks don't have any smell to them.

jeweledthumb.blogspot.com

These [brand] ones have no scent to them.

No offensive smell or taste!

nouveaucheap.blogspot.com

Something I love about these [brand] lipsticks is that they have no fragrance or flavor.