



Alzo International Inc

# Dermol LL

## Plant-Based Alternative to Phenyl Trimethicone *A Very Favorable Comparison*

Lauryl Lactate

### Aesthetic Comparison

Ingredient	Application	After feel	Uses
Phenyl Trimethicone	Good spread, fast absorption, slight cushion	Soft, conditioned, healthy shine	Eye Makeup, Hair, Lip Makeup, Skin
<b>Dermol LL</b>			

### Physical Comparison

Ingredient	Viscosity	Refractive Index	Density	Required HLB
Phenyl Trimethicone	22 cP	1.460	0.98 g/mL	10.5
<b>Dermol LL</b>	<b>16 cP</b>	<b>1.444</b>	<b>0.92 g/mL</b>	<b>12.9</b>

### Sustainability Comparison

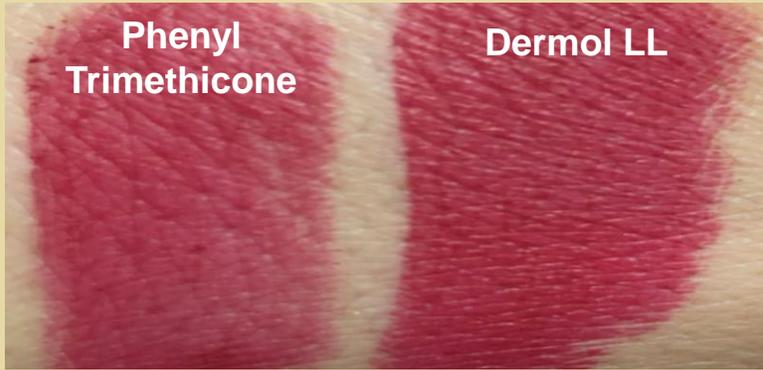
Ingredient	% Natural	Biodegradability	Source
Phenyl Trimethicone	0%	NO	Synthetic
<b>Dermol LL</b>	<b>100%</b>	<b>YES</b>	<b>Corn, RSPO Palm</b>



*Derived from Nature. Designed by Alzo.*

# Dermol LL

## Lauryl Lactate



- Evaluated in classic lipstick:  
10% Red Lake 7, 10% Mica, 40% Dermol LL or PTM
- Applied to back of hand, one stroke
- Compared to PTM, Dermol LL has better:
  - Slip
  - Payoff
  - Shine

### Natural Dermol LL Lipstick

Ingredient	INCI	W/W%
<b>Phase A</b>		
Dermol LL	Lauryl Lactate	40
RED 7CA C-11S5	Red 7 Lake (And) Triethoxycaprylylsilane	10
KoboMica S-25	Mica	10
<b>Phase B</b>		
Dermol GTR	Glyceryl Triacetyl Ricinoleate	29
BioMade BB	Behenyl Behenate	8
Carnauba Wax SP63	Copernicia Cerifera (Carnauba) Wax	3
<b>Total</b>		<b>100</b>

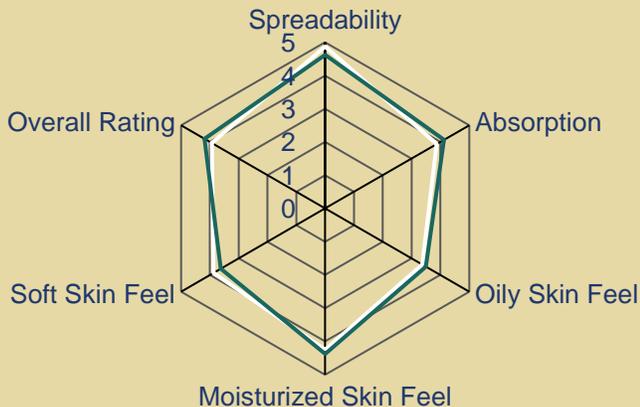
**90% Naturally Derived**

### Clear Hair Glaze

Ingredient	INCI	W/W%
<b>Phase A</b>		
Water	Water	77.5
Necon SUN-LC	Sunflowerseedamidopropyl Dimethylamine Lactate	10
Phenoxetol	Phenoxyethanol	0.5
<b>Phase B</b>		
Polyderm PPI-CO-40	PEG-40 Hydrogenated Castor Oil/IPDI Copolymer	10
Dermol LL	Lauryl Lactate	2
<b>Total</b>		<b>100.0</b>

**90% Naturally Derived**

### Skin Cream Attributes



- Dermol LL
- Phenyl Trimethicone

- Evaluated at 20% in skincare cream
- One-time application to forearm
- n=8

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