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# Vertasil® VLM-07

## Technical Data Sheet

**Product Name:** Vertasil® omega-LIMONENYL DIMETHICONE  
**Product Code:** VLM-07  
**INCI Name:** Bis(Methylcyclohexenyl Isopropyl)/Butyl Trisiloxane  
**CAS #:** 1283601-16-0  
**EINECS #** -  
**Date Issued** 3/9/12  
**Revision Number:** 2

### Description:

VLM-07 is a unique hybrid natural/silicone compound derived from an extract of orange rind which has a light, emollient texture and excellent slip. Due to solubility in a wide range of cosmetic oils, VLM-07 can easily be incorporated into anhydrous products and o/w and w/o emulsions to increase shine and improve feel of skin and hair products.

### Typical Properties

Note: The values below are typical, not intended for use in preparing specifications. Please contact the Gelest PCS sales representative when writing specifications.

### Test

Appearance  
Odor  
Refractive Index  
Viscosity

### Parameter

Clear liquid  
Slight, characteristic  
1.424 @ 25°C  
7-8 cSt @ 25°C

### Solubility

Dimethicone/10cSt	S
Dimethicone/100cSt	S
Cyclopentasiloxane	S
Ethylhexyl Palmitate	S
Hydrogenated Polydecene	S
Stearyl Methicone	S
Triisostearyl Citrate	S
Octyldodecyl Stearate	S
Octyldodecanol	S
Castor Oil	I

### Cleanser with VLM-07 / GCA3-2-4

Ingredient	%
<u>Water Phase</u>	
Deionized Water	70.55
Carbomer	0.20
Butylene Glycol	4.00
Polysorbate-60	1.00
Disodium EDTA	0.05
Tromethamine	1.00
Deionized water	3.00
<u>Oil Phase</u>	
Stearic Acid	3.00
Glyceryl Stearate	1.00
Sorbitan Stearate	1.00
Octyldodecyl Stearate	9.00
VLM-07	5.00
Phenoxyethanol	0.70
Caprylyl Glycol	0.50
	100.00

### Storage

Vertasil® VLM-07 should be stored between 5-30°C in the original container closed tightly.