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# Vertasil® TM-VE1

## Technical Data Sheet

**Product Name:** Vertasil® TOCOPHERYLOXYPROPYLTRISILOXANE  
**Product Code:** TM-VE1  
**INCI Name:** Tocopheryloxypropyl Trisiloxane  
**CAS #:** 920741-92-0  
**EINECS #** -  
**Date Issued** 3/9/12  
**Revision Number:** 2

### Description:

TM-VE1 is a unique compound resulting from the insertion of tocopherol onto a silicone backbone. TM-VE1 conditions skin, aiding moisture retention and leaving a long lasting, smooth residual feel. Due to solubility in a wide range of compounds, from castor oil to Dimethicone/100cs, TM-VE1 can easily be incorporated into anhydrous lip products and both o/w and w/o emulsion.

### 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

Amber colored liquid  
Slight, characteristic  
1.472 @ 25°C  
700 cSt @ 25°C

### Solubility

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

### Oil in Water emulsion with TM-VE1 / GCA1-20-1

	%
<u>Water Phase</u>	
Deionized Water	71.15
Carbomer	0.20
Butylene Glycol	4.00
Methylparaben	0.30
Polysorbate-60	1.00
Disodium EDTA	0.05
Tromethamine	1.00
Deionized water	3.00
<u>Oil Phase</u>	
Stearic Acid	2.00
Glyceryl Stearate	1.00
Sorbitan Stearate	1.00
Octyldodecyl Stearate	9.00
TM VE1	5.00
Propylparaben	0.10
Diazolidinyl Urea	0.20
Deionized Water	1.00

### Storage

Vertasil® TM-VE1 should be stored between 5-30°C in the original container closed tightly.