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# SiBrid® DE-12

## Technical Data Sheet

**Product Name:** SiBrid® DIETHICONE – DE-12  
**Product Code:** DE-12  
**INCI Name:** Polydiethylsiloxane  
**CAS #:** 63148-61-8  
**EINECS #** N/A; polymer  
**Date Issued** 3/9/12  
**Revision Number:** 2

### Description:

DE-12 is a light fluid with a smooth, dry skin feel. Excellent slip and spreading properties make DE-12 especially suited for use in water in silicone and powdercream foundations. DE-12 is a solvent for a wide range of cosmetic oils, silicones, and even some waxes.

### 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 to pale amber liquid  
Slight, characteristic  
1.438 @ 25°C  
15-20 cPs @ 25°C

### Solubility

Dimethicone/10cSt	S
Cyclopentasiloxane	S
Ethylhexyl Palmitate	S
Hydrogenated Polydecene	S
Octyldodecanol	S
Candelilla	S
Triisostearyl Citrate	S
Octyldodecyl Stearate	S
Castor Oil	I
10% Ozokerite	S
10% Microcrystalline Wax	S

### Water in Silicone Foundation, GJH2-8-1

Ingredient	%
Deionized Water	48.90
Magnesium Sulfate	0.20
Butylene Glycol	6.00
Methylparaben	0.20
Benzoic Acid	0.10
Cyclopentasiloxane	15.00
PEG-9 Polydimethylsiloxyethyl Dimethicone	2.00
<b>DE-12 Polydiethylsiloxane</b>	<b>5.00</b>
<b>AM 118 Stearyl Methicone</b>	<b>1.00</b>
Laureth-7	0.50
Propylparaben	0.10
<b>Color Grind</b>	
<b>DE-12 Polydiethylsiloxane</b>	<b>7.50</b>
Pigment (methicone treated)	14.00

### Storage

SiBrid® DE-12 should be stored between 5-30°C in the original container closed tightly.