



Enabling Your Technology

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)

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 powder cream foundations. DE-12 is a solvent for a wide range of cosmetic oils, silicones, and even some waxes.

TYPICAL PROPERTIES:

<u>Test</u>	<u>Parameter</u>
Appearance:	Clear to pale amber liquid
Odor:	Slight, characteristic
Refractive Index:	1.438 @ 25°C
Viscosity:	15-20 cPs @ 25°C

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

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

Storage:

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

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 Polydimethylsiloxoxyethy	2.00
Dimethicone	
DE-12 Polydiethylsiloxane	5.00
AM 118 Stearyl Methicone	1.00
Laureth-7	0.50
Propylparaben	0.10
Color Grind	
DE-12 Polydiethylsiloxane	7.50
Pigment (methicone treated)	14.00