

Technical Data Sheet

Product Name: Diethicone
Product Code: DE 12
INCI Name: Polydiethylsiloxane
CAS #: 63148-61-8
EINECS # N/A; polymer
Date Issued 07/28/09
Revision Number: 2; jch

Description:

DE12 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.

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

<u>Ingredient</u>	<u>%</u>
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
DE 12 Polydiethylsiloxane	5.00
AM 118 Stearyl Methicone	1.00
Laureth-7	0.50
Propylparaben	0.10
<u>Color Grind</u>	
DE 12 Polydiethylsiloxane	7.00
Pigment (methicone treated)	14.00
	100.00