

# Technical Data Sheet

**Product Name:** Diethicone  
**Product Code:** DE 23  
**INCI Name:** Polydiethylsiloxane  
**CAS #:** 63148-61-8  
**EINECS #** N/A; polymer  
**Date Issued** 01/15/08  
**Revision Number:** 1; jch

**Description:**

DE 23 is a rich, non-tacky emollient that is substantive to the skin. DE 23 provides a rich feel in water in silicone emulsions and lipsticks. Due to its excellent pigment wetting properties DE 15 also serves as a good binder in pressed powders.

**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	1.447 @ 25°C
Viscosity	300-500 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

**Moisturizing Eye Shadow**  
**GCA1-43-1**

<u>Ingredient</u>	<u>%</u>
Talc, triethoxystearylsilane	56.50
Mica, triethoxystearylsilane	30.00
Iron Oxides (Yellow), triethoxystearylsilane	3.00
Iron Oxides (Red), triethoxystearylsilane	3.00
Iron Oxides (Black), triethoxystearylsilane	4.00
Zinc Stearate	2.00
Methylparaben	0.20
<b>DE 23 Polydiethylsiloxane</b>	<b>1.50</b>
	100.00

