

Technical Data Sheet

Product Name: AM 114
Product Code: AM 114
INCI Name: Myristyl Methicone
CAS #: 68037-76-3
EINECS # N/A; polymer
Date Issued 07/28/09
Revision Number: 2; jch

Description:

AM 114 is a rich emollient C₁₄ alkyl substituted siloxane that provides a rich emollient feel to skin care and lip products. Transepidermal moisture loss studies showed that, unlike dimethyl fluids, AM 114 reduces water loss from the skin, indicating potential for dry skin treatment.

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 straw colored liquid
Odor	Slight, characteristic
Refractive Index	1.455 @ 25°C
Viscosity	700-1000 cPs @ 25°C

Solubility

Moisturizing Water in Oil Cream

		<u>GCA1-6-2</u>	
		<u>Ingredient</u>	<u>%</u>
Dimethicone/10cSt	PS		
Cyclopentasiloxane	I		
Ethylhexyl Palmitate	S to 60%	Deionized Water	62.45
Hydrogenated Polydecene	S	Magnesium Sulfate	0.20
		Butylene Glycol	6.00
		Methylparaben	0.20
		Benzoic Acid	0.20
Octyldodecanol	S	AM 114 Myristyl Methicone	10.00
Triisostearyl Citrate	S	AM 118 Stearyl Methicone	1.00
		Octyldodecyl Stearate	12.50
Octyldodecyl Stearate	S to 50%	Cyclopentasiloxane	4.50
		Cetyl PEG/PPG 10/1 Dimethicone	2.00
		Polyglyceryl-4 Isostearate,	0.90
Castor Oil	D	Cetyl PEG/PPG 10/1 Dimethicone, Hexyl Laurate	
		Propylparaben	<u>0.05</u>
			100.00