



SeraSilk AM 80

INCI: Dimethicone (and) Cetearyl Dimethicone / Vinyl Dimethicone Crosspolymer

Applications

Skin Care

Sun Care

Make up products

Benefits

Excellent compatibility with organic oil

Soft skin feel & spreading ability

Thickening agent

Stabilizer for W/O and O/W emulsion.

Description

KCC Beauty SeraSilk AM 80 is a crosslinked gel blended in low molecular weight dimethicone (2cSt) to enhance fresh skin feel. And, SeraSilk AM 80 contains a substituted alkyl functionality to increase organic compatibility in personal care formulations. SeraSilk AM 80 has a high swelling capability in hydrocarbon oils and increase the structural viscosity of the oil phase.

KCC Beauty silicone elastomer blends are strong mattifying agents and are ideal for use in color cosmetics applications where their sebum absorbing properties offer a matte, smooth and non-greasy appearance. They have the ability to increase formulation oil phase viscosity and produce a dry, silky smooth skin feel.

SeraSilk AM 80 have good adhesion and spread ability onto the skin due to the alkyl chain.

Typical Properties

Appearance	Translucent paste
Gel content (%)	14%
Viscosity (cP, 25°C) - Brookfield helipath stand, 2.5rpm, #91	200,000 cP
Diluent	Dimethicone 2cSt
CTFA / INCI Designation	Dimethicone (and) Cetearyl Dimethicone / Vinyl Dimethicone Crosspolymer

Method of Use

As a versatile ingredient, the method of use will depend on the type of formulation in which the SeraSilk AM 80 is being included and the other ingredients involved.

A few formulation suggestions include :

- Adding the elastomer into the oil or silicone phase of an emulsion.
- Post-addition into viscous creams.
- Pre-dispersion in cyclopentasiloxane or low molecular weight dimethicone before addition to a formulation.

If you want to know how to formulate with this material, please contact us.

Recommended Usage Level

Usage level is highly dependent on application and is usually between 1 and 90%.

Packaging

18kg pails and 180kg drums

Storage and Shelf Life

The product should be stored below 30°C and not be allowed to freeze. Shelf life of the un-opened container is 24 months from the date of manufacture. If you wish to use this product after this time, please contact us for details.

Toxicity and Handling

Please see our SeraSilk AM 80 safety data sheet for more details. Information for safe use of this product is not included in this document. Before handling please read container labels and the safety data sheet for physical, environmental and health hazard information.

Limited Warranty Information

Although every effort has been made to ensure that the information contained within this data sheet is reliable, we cannot be held responsible for the correctness of the information or for any loss, injury or damage which may result from its use. Suggestions of uses should not be taken as inducements to infringe any particular existing patent.

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Compatibility Data

Base oil	Gel : Oil	
	1 : 9	5 : 5
Cyclopentasiloxane	C*	C*
Dimethicone-2cSt	C*	C*
Methyltrimethicone	C*	C*
Phenyltrimethicone	C*	C*
Caprylylmethicone	C*	C*
Isopropyl palmitate	C*	C*
Isododecane	C*	C*
Squalane	C*	C**
Octylmethoxycinnamate	I	PC**
Mineral Oil	C*	C**
Macadamia Ternifolia Nut Oil	C**	PC**

I = Incompatible; PC = partially Compatible; C = Compatible

* = Clear to slight haze , ** = Cloudy

Compatibility with OMc(Octylmethoxycinnamate)

Product Name	SeraSilk AM 80	SeraSilk EL 63
Mixing ratio Gel blend : OMC (wt%) 90% : 10%	Clear	Slightly haze
		
Mixing ratio Gel blend : OMC (wt%) 87% : 13%	Almost Clear	Opaque
		