

SeraSol SC 83T

INCI: Cetyl PEG/PPG-10/1 Dimethicone

Applications

Night creams
Barrier creams
Foundations
Rich moisturisers
Sun creams

Benefits

Cold processable
Non-ionic W/O or W/Si emulsifier
Emulsifier for multiple emulsions (W/O/W)
Enhances stability of “difficult” emulsions

Description

KCC Beauty SeraSol SC 83T is a liquid polysiloxane polyalkyl polyether block copolymer designed for use as a personal care grade silicone emulsifier for W/O and W/Si emulsions. This is a unique silicone emulsifier for skin creams, lotions and foundations. The copolyols act as the hydrophile while the alkyl modification offers the hydrophobic tail, with the silicone acting as the sandwiching layer that offers a pleasant light and silky feel to the W/O or W/Si emulsion. Compatible with high levels of organic ingredients. Generates excellent freeze / thaw stability

Typical Properties	
Appearance	Clear, Colourless to yellow liquid
Viscosity (25 °C)	1,500 cP
Specific Gravity (25°C)	0.94
HLB	<5
CTFA / INCI Designation	Cetyl PEG/PPG-10/1 Dimethicone

Typical Properties

The values mentioned are not intended for use in preparing specifications. We have made every effort to ensure these values are correct as of the revision date of this document.

Method of Use

SeraSol SC 83T is primarily used as an emulsifier for W/O emulsions; W/O/W emulsions and also as a co-emulsifier in O/W emulsions. The resulting emulsions are particularly stable at both low and high temperature even when “difficult” to emulsify ingredients are used in the formulation. Cold mix processes can often be used to create stable emulsions.

Recommended Usage Level

0.5 to 3.0 % w/w.

Packaging

18kg pails and 180kg drums.

Storage and Shelf Life

The product should be stored in a cool dark place away from direct sunlight. Shelf life of the un-opened container is 24 months from the date of manufacture.

Toxicity and Handling

Please see our SeraSol SC 83T 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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