

SeraSense® SF Low Viscosity Fluids (5 - 100cS)

INCI: Dimethicone

Applications

Hair care
Skin care
Sun care
Deodorants
Colour cosmetics

Benefits

Non-tacky emollient
Superb skin lubricity
Excellent spread quality
Extremely low surface tension

Description

SeraSense® SF Low Viscosity Fluids are available at 5, 6, 10, 20, 50 and 100cS viscosities. In cosmetics applications, the low viscosity of these fluids makes these ingredients extremely good spreading agents, which create non-tacky semi-permeable moisture barriers in skin creams and lotions. Low viscosity dimethicone can also eliminate the whitening or 'soaping' effect seen in W/O emulsions. In hair care, these materials can be used in serums or conditioners to give hair a smooth feel. Soluble in alcohols and volatile silicones.

SeraSense® SF 6 has 4 and D5 levels of <0.1%.

Typical Properties	SeraSense SF 5	SeraSense SF 6	SeraSense SF 10	SeraSense SF 20	SeraSense SF 50	SeraSense SF 100
Appearance	Clear, Colourless Fluid	Clear, Colourless Fluid	Clear, Colourless Fluid	Clear, Colourless Fluid	Clear, Colourless Fluid	Clear, Colourless Fluid
Viscosity at 25°C	5cS	6cS	10cS	20cS	50cS	100cS
Flash Point (°C)	>90	>110	>160	>200	>300	>315
Refractive Index (at 25°C)	1.396	1.397	1.399	1.400	1.402	1.403
CTFA / INCI Designation	Dimethicone	Dimethicone	Dimethicone	Dimethicone	Dimethicone	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

SeraSense SF Low Viscosity Fluids may be used alone or blended with other silicone fluids to provide bases for many cosmetics, skin care and hair care products.

Recommended Usage Level

1.0 - 50% depending on application.

Packaging

25kg and 200kg drums. 950kg IBCs.

Storage and Shelf Life

The product should be stored below 32°C. Shelf life of the opened or 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 SeraSense SF 5, 6, 10, 20, 50 or 100 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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