

SeraSense SF Volatile Fluids

(0.65cS-2cS)

INCI (0.65cS): Disiloxane
INCI (1cS): Trisiloxane
INCI (1.5, 2cS): Dimethicone

Applications

Hair care
Colour cosmetics
Antiperspirants
Sun care

Benefits

Non skin-cooling vaporisation
Excellent spread quality
Soft and silky skin feel
Non-VOC cosmetic solvent

Description

SeraSense SF Volatile Fluids are straight chained low molecular weight polydimethylsiloxanes available at 0.65, 1.5 and 2cS viscosities each offering a slightly different evaporation profile. SeraSense SF 0.65 and SF 1 are the shortest straight chained low viscosity silicones, which give very fast evaporation. SeraSense SF 1.5 and 2 have close evaporation profiles to that of Cyclopentasiloxane, with all the versatility and benefits D5 offers but from a different silicone technology. All three fluids offer non-skin cooling vaporisation, which is a negative feature of water or alcohols and can be avoided by using such volatile silicones. The spread quality of these materials is excellent, leaving skin with a soft and silky feel.

Typical Properties	SeraSense SF 0.65	SeraSense SF 1	SeraSense SF 1.5	SeraSense SF 2
Appearance	Clear, Colourless Fluid	Clear, Colourless Fluid	Clear, Colourless Fluid	Clear, Colourless Fluid
Viscosity at 25°C	0.65cS	1cS	1.5cS	2cS
Flash Point (°C)	-3.3	30	63	80
Refractive Index (at 25°C)	1.375	1.382	1.387	1.391
CTFA / INCI Designation	Disiloxane	Trisiloxane	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 Volatile 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

13kg pails and 150kg drums. 750kg IBCs.

Storage and Shelf Life

The product should be stored below 32°C. Shelf life of the opened or un-opened container is 30 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 0.65, 1.5 or 2 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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