

# SeraSense SF PCA

INCI: PCA Dimethicone

## Applications

Skin Care  
Hair Care  
Make-up  
Antiperspirant/Deoderant

## Benefits

Long lasting silky feel  
Moisturizer  
Pigment dispersant

## Description

SeraSense SF PCA is pyrrolidone carboxylic acid (PCA) modified silicones for skin care, hair care, make-up, and antiperspirant/deoderant formulations. Due to unique PCA moieties, SeraSense SF PCA have long lasting and moisture-rich feeling not found with other silicone fluids. It is easy to stay in place wherever it is applied because PCA group can be negative charged. This carboxylic group impart dispersing properties, and it can be interacted with inorganic pigments such as metal oxide through chemical bonding. It is also used as additives in a variety of cosmetic products.

| Typical Properties       |                  |
|--------------------------|------------------|
| Appearance               | Yellowish Liquid |
| Viscosity (25 °C)        | 700 cP           |
| Specific Gravity (25 °C) | 0.98             |
| Surface Tension          | 19.9 mN/m        |
| CTFA / INCI Designation  | PCA 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

SearSense SF PCA may be used with other silicone fluids and mineral oil for many cosmetics, skin care and hair care products.

## Recommended Usage Level

0.3 to 10.0% w/w depending on application.

## Packaging

18kg pails and 180kg drums

## Storage and Shelf Life

The product should be stored in a cool dry place out of direct sunlight. 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 SeraSense SF PCA 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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