



326 Exchange Drive
Arlington, Texas 76011
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Technical Data Sheet SPI-5816

INCI: Dimethicone (and) Acrylates/Dimethicone copolymer

Applications:

Suncare
Color Cosmetics
Skin Care

Benefits:

Excellent Water and Oil Repellency
Long Lasting
Fixatives
Soft flexible film former
Wash off resistance
Sebum resistance and reduction

Description:

SPI-5816 is a silicone acrylate copolymer used in many personal care applications. It is a useful ingredient giving long lasting properties, consist of dimethicone and a high molecular weight acrylate silicone. Shows excellent water and oil repellency, wash off resistance and act as soft flexible film former. These effects can be seen at addition levels of between 0.5 – 10% to color cosmetic and sunscreen formulations.

Typical Properties

<i>Appearance (Color)</i>	Colorless to Light Yellow
<i>Appearance (Transparency)</i>	Clear to Slightly Haze
<i>Viscosity (at 25°C)</i>	30
<i>Non-Volatile Content (%)</i>	30
<i>CTFA / INCI Designation</i>	Dimethicone (and) Acrylates/Dimethicone copolymer

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.



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Method of Use:

SPI-5816 was developed for use in color cosmetic and sun care products. The primary function of SPI-5816 is to make soft film to show long lasting, water resistant effect in cosmetic formulations.

Recommended Usage Level:

0.5 – 10% to sunscreens and color cosmetic formulations.

Packaging:

16kg pail and 200kg drums

Storage and Shelf Life:

The product should be stored below 32°C. Shelf life of the opened or un-opened container is 12 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 SPI-5816 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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