



326 Exchange Drive
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Technical Data Sheet SPI-7092 EL

INCI: Dimethicone (and) Dimethicone / PEG-10/15 Crosspolymer

Applications:

Skin Care
Color Cosmetics
Sun Care
Antiperspirants

Benefits:

Designed for quick breaking creams
Highly stable W/Si emulsifier
Can form transparent emulsions serums
Light non-greasy silicone elastomer skin feel
Good compatibility with silicones and a variety of ingredients

Description:

Silicones Plus, Inc. SPI-7092 EL is a PEG modified self-emulsifying cross linked silicone elastomer surfactant which has been swollen in 6cSt dimethicone fluid for the creation of truly unique W/Si emulsions. This silicone emulsifier is capable of making highly stable micelle structures with no additional emulsifiers needing to be added to the formulation. SPI-7092 EL has been designed especially for fast breaking "water drop" like cream and serum formulations thanks to the elastomeric sponge like structure that makes up the wall of the micelle. SPI-7092 EL can be included in many products to enhance the skin feel, spreadability, absorption and "soft-focus" effect of the finished product and can create highly stable W/Si emulsions.

Typical Properties

<i>Appearance</i>	Translucent Gel
<i>Silicone Crosspolymer Content</i>	28%
<i>Viscosity (25°C)</i>	120,000 cP
<i>Specific Gravity (25°C)</i>	0.97
<i>CTFA / INCI Designation</i>	Dimethicone (and) Dimethicone/PEG-10/15 Crosspolymer

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-7092 EL is easy to incorporate into skin care formulations and any other products that may take advantage from having a self-emulsifiable silicone elastomer surfactant incorporated into them. For examples of how to formulate with this material, please see formulation “Hydra Gel Cream (Water Drop) (SJ13F_006)” in our formulation guide or on our website for further details.

Recommended Usage Level:

1.5 – 3.5% to opaque conditioning shampoo and intense conditioner formulations.

Packaging:

18kg pails and 180kg drums.

Storage and Shelf Life:

The product should be stored below 32°C and not be allowed to freeze. 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-7092 EL 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.

Company Details:

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