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Technical Data Sheet

JEESILC[®] PS-D5R

**INCI: Bis Vinyl Dimethicone/Dimethicone Copolymer (and) C12-C14 Isoparaffin
(and) C13-C16 Isoparaffin (and) C13-C15 Alkane**

Introduction

The Jeesilc[®] PS Series consists of a full line of silicone gels and liquids which utilize a novel, new, patented silicone polymer—Bis Vinyl Dimethicone/Dimethicone copolymer. This is a non-crosslinked, non-alkyl containing silicone polymer designed to enhance the texture, spread properties, gloss and film integrity of formulations.

Jeesilc[®] PS-D5R is a unique member of the next generation of Jeen's patented silicone copolymer technology. It is a clear gel of a new, patent-pending isoparaffin/alkane blend especially designed as a *substitute for D4, D5 and D6 cyclomethicones*. The resulting Jeesilc[®] PS-D5R is, therefore, a powerful combination of the novel silicone copolymer in a unique solvent, free of cyclomethicones.

Ideal for a wide range of finishes, Jeesilc[®] PS-D5R provides fast drying, light spreading and silky feel to emulsion and anhydrous products. A quick absorbing product, it reduces tackiness and greasiness of topical formulations while providing a soft powdery skin feel. The linear, non-crosslinked nature of the unique copolymer leads to one of the key benefits of all the BF Series of products: ease of incorporation into the oil phase of emulsions without high shear agitation.

Specifications

Appearance @ 25 ⁰ C	Clear Gel
Foreign Matter	Free
Viscosity, CPS @ 25 ⁰ C	175,000 – 250,000

Important Note: This document is for informational purposes only. Please contact your Jeen[®] International Sales Representative before writing specifications for this product.

Features and Benefits

Feature	Benefit
Patented, Non-Crosslinked Polymer	Freedom to Formulate
Patent-Pending, Unique Non-Silicone Fluid	Silicone Feel without Cyclomethicone Concerns
Quick Spread, Dispersibility and Absorption	Improved "Better" Skin Feel
High Molecular Weight Copolymer	Delivers Silky, Smooth Finish
Low Viscosity Gels	No Pre-Dispersion Required
Incorporation Ease	Less Formulation and Production Time
No Balling Upon Application	Uniform Spread
Dry Feel	Elegant, Reduces Tackiness and Oiliness

Suggested Applications and Use Levels

Jeesilc[®] PS-D5R has a wide variety of potential applications as outlined below.

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|------------------------------|---------|
| ▪ Color Cosmetics | 5 – 40% |
| ▪ Body Care | 5 – 10% |
| ▪ Hair Care | 2 – 30% |
| ▪ Sun Care | 3 – 5% |
| ▪ Antiperspirants/Deodorants | 5 – 10% |

Handling and Storage

Store Jeesilc[®] PS-D5R in a clean, dry area at ambient temperature.

Standard Packaging

Jeesilc[®] PS-D5R is packaged in steel drums at 325 pounds net weight and steel pails at 33 pounds net weight.

You Can Count On Us!

All suggestions and data in this bulletin are based on information we believe to be reliable. They are offered in good faith. However, no guarantee is made or implied as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions on an experimental basis before adopting them on a commercial scale. Statements as to the use of our products are not to be construed as recommendations for their use in the infringement of any patents.

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