

## Velvesil E-Gel PMF Emulsion

### Description

Velvesil E-Gel PMF emulsion is a unique silicone crosspolymer network that can help deliver consumer perceivable emollient and cushioning feel to applications such as skin care, hair care, color cosmetics and body wash.

A white liquid containing ~30% crosspolymer, Velvesil E-Gel PMF emulsion exhibits shear thinning behavior that enables cosmetic products to spread easily during application, making it an excellent candidate for anti-aging, sunscreen and moisturizing cosmetic formulations.

### INCI name

Dimethicone/Vinyl Dimethicone Crosspolymer (and) Dimethicone (and) Isohexadecane (and) Cetearyl Methicone

### Key Features and Typical Benefits

- Excellent dispersibility in water-based systems
- Cushioning, no balling and substantial after-feel on skin
- Optical properties: soft focus
- SPF booster
- D4 < 1000 ppm
- D5 < 1000 ppm
- Non-paraben and Non-MIT food grade preservative

### Typical Physical Properties

| <b>Characteristics</b>       | <b>Typical Data</b> |
|------------------------------|---------------------|
| Appearance                   | White liquid        |
| Particle Size, $\mu\text{m}$ | 3                   |
| Crosspolymer Content, %      | 30                  |
| Solids Content, %            | 50                  |
| Viscosity, cPs               | 5000                |
| pH                           | 4-6                 |
| Shelf Life                   | 1 year              |

Typical properties are average data and are not to be used as or to develop specifications.

### Potential Applications

- Facial Care
  - Masks
  - Toners
  - Essence
  - Serum
  - Creams
  - Lotions
  - Tone brightening cream
- Sun Care
  - Sunscreens
  - Daily wears
- Color Cosmetics
  - BB and CC creams
  - Foundations
  - Concealers
- Hair Care
  - Shampoo
  - Conditioner
  - Leave on cream/essence/serum/spray

### Current Availability

| <b>Product</b>              | <b>Packaging</b> |
|-----------------------------|------------------|
| Velvesil E-Gel PMF emulsion | Pail - 15 kg     |
| Velvesil E-Gel PMF emulsion | Drum - 180 kg    |

### **Patent Status**

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

### **Product Safety, Handling and Storage**

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at [www.momentive.com](http://www.momentive.com) or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

### **Limitations**

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

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