



# Technical Data Sheet

## VV™ SikenFlex™

INCI Name: Cyclopentasiloxane (and) Polysilicone 11

Revision 00

Effective from: April 2026

### Description:

**VV™ SikenFlex™** elastomer gel is a silicone copolymer network blended with Cyclopentasiloxane. It appears as a transparent/translucent gel providing a very pleasant sensorial sensation during the application and after use. **VV™ SikenFlex™** can easily be diluted with low viscous silicones, to adjust the viscosity as required. In addition it exhibits shear thinning behaviour, which allows formulating cosmetic products that spread easily during application and facilitates the incorporation of pigments into a formulation. **VV™ SikenFlex™** is easy to distribute on skin and gives a nice, non-greasy, silky skin feel. **VV™ SikenFlex™** leaves a non-tacky film which improves **matte effect** on skin. It provides dry smoothness and light, silky non-greasy powdery skin feel.

### Typical Properties:

| Property                                  | Condition | Value                             |
|-------------------------------------------|-----------|-----------------------------------|
| Appearance                                |           | Clear to Slightly Translucent Gel |
| Wt./ml (g/ml)                             | 25°C      | 0.90 - 0.96                       |
| Total Solids (150°C / 45 minutes) Wt./Wt. |           | 25.00% - 35.00%                   |
| Microbial Content                         |           | Less than 100 cfu/g               |

**These figures are only intended as a guide and should not be used in preparing specifications.**

### Incorporation

**VV™ SikenFlex™** is typically added to the oil or silicone phase of a formulation or to an already formed emulsion. The product should be worked in thoroughly to yield optimal results. When **VV™ SikenFlex™** is diluted with solvents the viscosity of the product is significantly decreasing and can hence be easily adjusted.

### Areas of Application:

- Skin Care. Add 5% to an existing primer and see the difference in application and blurring.
- Eye Make-up
- Hair Serums
- Make-up Foundation
- Sun Care
- Lip Make-up



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### **Processing:**

VV™ SikenFlex™ is a high viscous material. Can be formulated into oil-in-water emulsions, water-in-oil emulsions and anhydrous systems. Dispersible in a variety of oils with high shear process. Add to the oil phase of all emulsion types.

### **Special Features**

- High performing elastomer gel
- Elastomer network offers strong sebum absorption and oil control
- Provides enhanced aesthetics to formulations
- Delivers excellent smooth characteristics; soft cushioning effect
- Transformation into matte appearance with powdery after feel

### **Levels Of Use:**

Suggested use level of 5%-90%

### **Storage**

Store in a cool and dry place, in a closed container. Store away from excessive heat. Shelf-life is 12 months from date of production.

### **Safety and Handling**

No special protection required while handling. Material Safety Data Sheet available on request.

### **Limitation**

Customers must evaluate VV™ SikenFlex™ and make their own determination as to fitness of use in their applications. This product is not recommended for use in pressurised applications.

### **Packaging**

Available in 25 Kg and & 50 Kg Drums.

### **Important**

The data and statements contained herein are based on our research and/or the research of others and are believed to be accurate. No guarantee of their accuracy is made however, and unless expressly stated in a written contract, the product(s) discussed herein are sold without conditions or warranties, expressed or implied. Purchasers are advised to make their own tests to determine the suitability of this product for their purposes. Nothing contained herein shall be construed as a recommendation to use or as a license to operate under or to infringe on any existing patent.

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