

Technical Data Sheet

VV™ Siloxa™Crystal

INCI Name: Trimethylsiloxysilicate (and) Polypropylsilsesquioxane (and) Cyclopentasiloxane

Revision 00

Effective from: April 2026

Description

VV™ Siloxa™Crystal A unique combination of MQ, T propyl silicone resin and Cyclopentasiloxane. This combination of resin technologies has been especially developed to provide both excellent transfer and wash resistance combined with a flexible film and comfort of wear in skin and cosmetics applications. Even with stretching and washing the film formed by this product remained. It may be used in a wide range of personal care applications such as skin care, colour cosmetics, sun care, hair care, antiperspirants and deodorants. Even after stretching and washing, the film formed by **VV™ Siloxa™Crystal** resin remains smooth and undamaged. In sunscreens, **VV™ Siloxa™Crystal** resin can enhance the SPF wash-off resistance.

Typical Properties

Property	Condition	Value
Appearance		Transparent to slightly hazy liquid
Specific Gravity	25°C	1.00 – 1.10
Viscosity (cps)	25°C	>5000
Refractive Index	25°C	1.40 – 1.42
% Volatiles	135°C, 1.5g, 1h	NMT 10%

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

Incorporation

VV™ Siloxa™Crystal resin can be dissolved in different organic and silicone oils up to a concentration of 50% and more. To ensure the best film forming properties, it is recommended to use **VV™ Siloxa™Crystal** resin in the oil phase of the formulation. **VV™ Siloxa™Crystal** resin can also be added to an emulsion below 60°C. **VV™ Siloxa™Crystal** is **incompatible** with water, mineral oil and vegetable oils.

Areas of Application

- Lip Products
- Make-up Products
- Creams/Ointments
- Sunscreens

Levels Of Use

5% – 50%



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Storage

VV™ Siloxa™Crystal resin is volatile and should be stored in a tightly closed container in a cool and dry place. Store away from excessive heat. Shelf-life is 24 months from date of production stored in its original sealed container.

Safety and Handling:

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

Warning:

Flammable Liquid. Keep away from heat sources and naked flames.

Packaging:

Available in 20L and 50L Drums.

Disclaimer:

Customers must evaluate **VV™ Siloxa™Crystal** resin and make their own determination as to fitness of use in their applications. 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.