



Technical Data Sheet

Tomorrow's Vision... Today!

SilDerm Acrylate ID

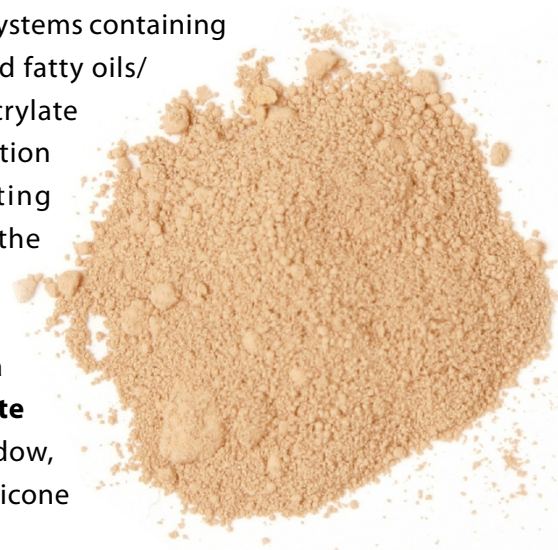
Code Number:	30319
INCI Nomenclature:	Isododecane & Isobutylmethacrylate/Bis-Hydroxypropyl Dimethicone Acrylate Copolymer
INCI Status:	Conforms
Suggested Use Levels:	10.0 - 50.0%
Suggested Applications:	Film Former, Emulsifier

Film formers are desirable for improving barrier formation, epidermal slip, hair combability and creating a smooth, even distribution of pigment in make-up. Chemists rely on the use of silicones for their film forming properties in many anhydrous systems.

Silderm Acrylate ID is a copolymer of acrylate grafted silicone dissolved in isoparaffin. This quick drying 40% solution forms a clear glossy film that is flexible and breathable when applied to the skin or hair. The non-tacky solution is also useful for creating long-wear make up as it has superior epidermal adhesion with "water-proofing" properties. Silderm Acrylate ID's film forming properties will also increase wear so make up will not need to be applied as frequently. The isododecane added to the solution functions as a diluent that improves the product's manageability.

Silderm Acrylate ID may be used as an emulsifier that is compatible with systems containing cyclomethicone, dimethicone, hydrocarbon fluids, mineral oils, esters and fatty oils/waxes. Often used as carriers and binders for pigments and fillers, the acrylate polymer in the solution is created by performing a free-radical polymerization reaction in the presence of polybutylacrylate. The benefit of creating copolymers is that one achieves a "quasi-composite" product that has the properties of both components.

In cosmetic and personal care systems **Silderm Acrylate ID** may create a smooth film for improved slip while increasing adhesion. **Silderm Acrylate ID** is appropriate for use in make-up products such as lipstick, eyeshadow, foundation, concealer, mascara and blush. It may also be included in silicone based hair and skin care systems such as lotions, creams and gels.



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