

A close-up photograph of a young child with blonde hair, looking down as they apply a white sunscreen product to their chest. The child's eyes are closed, and their hands are visible, spreading the cream. A white bottle with a blue cap is partially visible on the left side of the frame. The background is a clear, bright blue sky.

Brilliant Creations for Sun Care


Alzo International Inc
Where Chemistry is Artistry

Bright Polymeric SOLutions for Sun Care

Patented polyurethane and crosspolymers elevate the efficiency and delivery of sunscreen formulations.

Dermothix Film Forming and Emulsification

Plus Enhanced UV Absorption

Dermothix™ 100

INCI Name:

Disteareth 100 IPDI

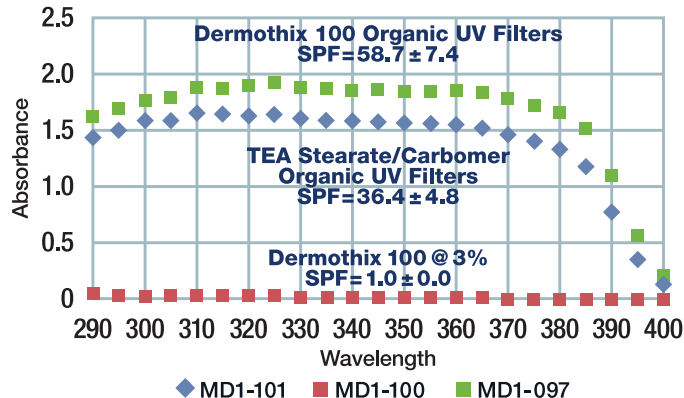
- elastic liquid when heated
- leaves smooth, even surfaces
- requires no neutralization
- no secondary emulsifiers needed
- effective at pH 2-12
- no peaks and valleys on surface



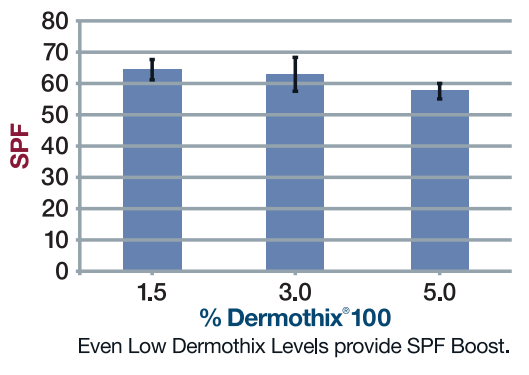
self-leveling rheology results in homogeneous films increasing SPF in sunscreen formulations when compared to TEA/Carbomer systems

Dermothix 100 provides SPF Boost

SPF 58.7 versus SPF 36.4

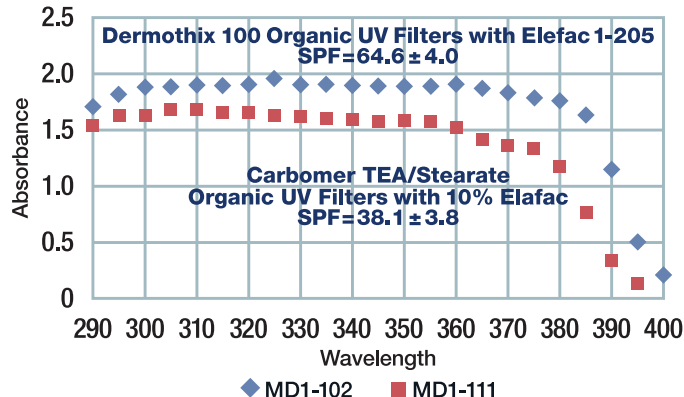


Dose Response Level of Dermothix® 100 on in-vitro SPF Value



Dermothix 100 provides SPF Boost

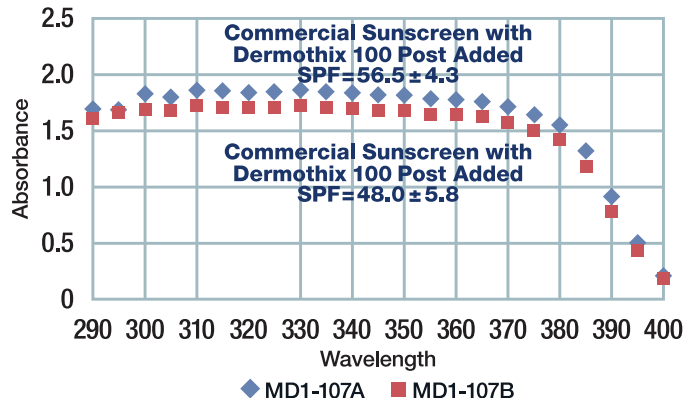
SPF 64.6 versus SPF 38.1



In Vitro SPF testing shows Dermothix™ 100 can also increase SPF when post added to commercial sunscreen

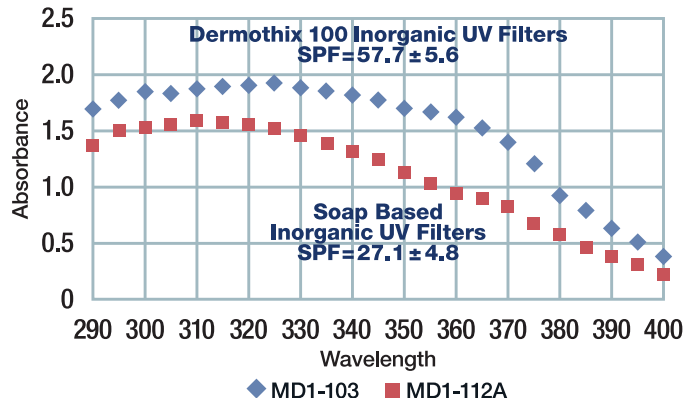
Dermothix 100 provides SPF Boost

SPF 56.5 versus SPF 48



Dermothix 100 provides SPF Boost

SPF 57.7 versus SPF 27.1



Efficient and Emollient Actives Delivery

High Payloads of UV Filters in Soft Polymer Gels

NuLastic Slip D99

INCI Name:

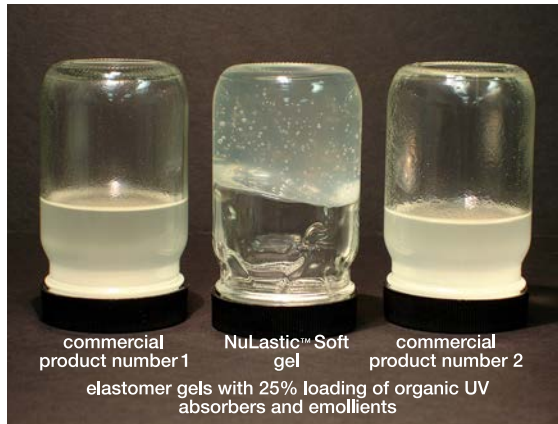
Isononyl Isononanoate (and) PEG-10 Dimethicone/Vinyl Dimethicone Crosspolymer

NuLastic Soft D99

INCI Name:

Isononyl Isononanoate (and) Divinyldimethicone/Dimethicone Crosspolymer

- silicone elastomers in esters and hydrocarbons
- maximum void capacity
- entraps high levels of actives
- leaves elegant skin feel



Radiant SOLutions for Sun Care

Ingredients which provide elegant skin feel and help improve the performance of UV filters.

Solubilizer for Organic Sunscreens

The Original Sun-Sational Emollient

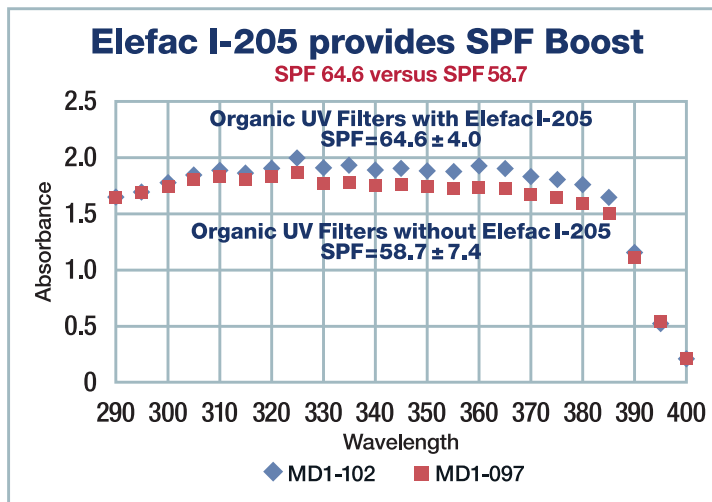
Elefac I-205

INCI Name:

Octyldodecyl Neopentanoate

ELINICS Number: 424-370-1

- clear, low odor liquid
- moisturizer for skin
- binder and dispersant for pigments
- REACh and globally compliant



Radiant SOLutions for Sun Care

Ingredients which provide elegant skin feel and help improve the performance of UV filters.

Benzoate and Salicylate Esters

Solubilizers to prevent recrystallization

Dermol TDSA

INCI Name:

Tridecyl Salicylate

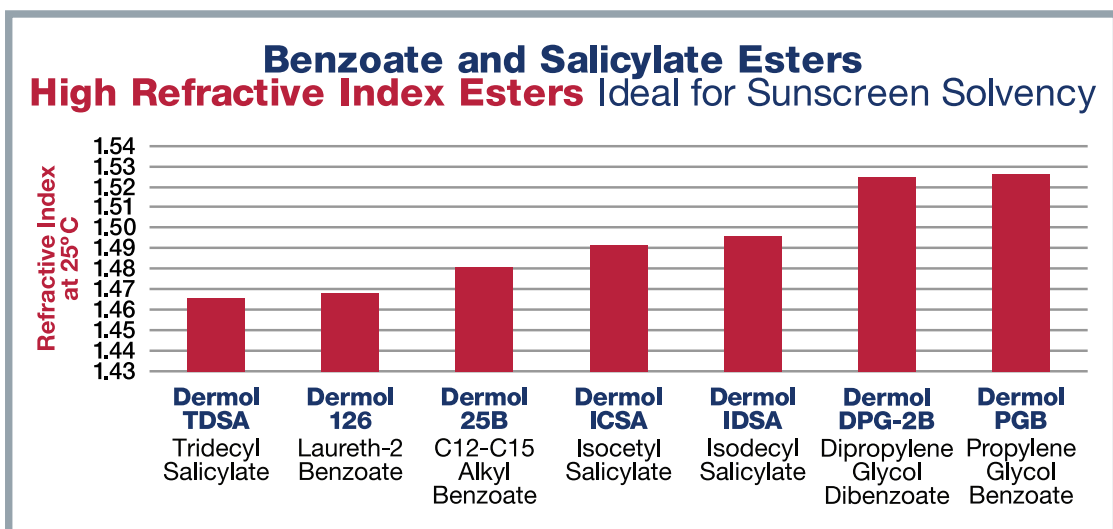
Dermol DPG-2B

INCI Name:

Dipropylene

Glycol Dibenzoate

- aromatic structures
- clarifiers and plasticizers
- high refractive indices
- REACh and globally compliant



Dispersants for Inorganic UV Filters

Preferred wetting agents for sunscreen pigments

Dermol 99

INCI Name:

Isononyl

Isononanoate

Minno 21

INCI Name:

Neopentyl Glycol

Diethylhexanoate

(and) Neopentyl

Glycol Diisostearate

- widely used in TiO₂ and ZnO dispersions
- elegant skin feel
- REACh and globally compliant



Emulsifiers for Skin Care

Low Viscosity Oil-in Water Stability

Cupl PIC

INCI Name:

PPG-2

Isoceteth-20 Acetate

Hetester PHA

INCI Name:

Propylene Glycol

Isoceteth-3 Acetate

- cold process emulsifying system
- synergy creates oil-in water sprayable lotions at room temperature

Emollient Milk SPF 4		
Product	INCI Name	% W/W
Phase A		
Water	Water	77.45
Phase B		
Cupl PIC	PPG-2 Isoceteth-20 Acetate	5.00
Elefac I-205	Octyldodecyl Neopentanoate	10.00
Hetester PHA	Propylene Glycol Isoceteth-3 Acetate	7.50
Phase C		
Preservative		0.05



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