



SOLTEX™ INO Polymer

SPF Booster for Inorganic UV Filters/Particulate UV Filters

Features & Benefits

- Compatible with various grades of TiO₂ and ZnO and metal oxides
- Improves transparency and product aesthetics by reduction of levels of inorganic UV filters needed to provide protection levels
- Reduces agglomeration improving particle and pigment dispersion for more even tone and coverage
- Suitable for a range of formulation chassis (O/W, W/O, W/O+Si) giving brand owners formulation flexibility
- Ease of handling

Applications

- Sunscreens with a variety of inorganic UVA & UVB actives
- Cream and lotion formulations
- Color cosmetics formulations- foundations, alphabet creams

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Property	Unit	Result
Recommended levels		1% to 3% active 3% to 9% as supplied
Appearance		White homogeneous liquid
Solids	%	~31
pH		3–4
Viscosity (Brookfield LV #2/60 rpm, 25°C)	cP	100
Microbial contamination	cfu/mL	< 10

Mechanism of Action

SOLTEX™ INO Polymer enhances the efficacy of inorganic particles (TiO₂, ZnO, metal oxides) by improving their overall dispersion in a formulation resulting in a boost of SPF performance of sunscreens and a more even pigments distribution.

**Handling
Recommendations**

- SOLTEX INO Polymer can be used in formulations containing TiO₂, ZnO and other metal oxide
- SOLTEX INO Polymer can be added during the post-emulsion process or in the water phase prior to forming the emulsion
- SOLTEX INO Polymer is compatible in formulations at pH 5-8

**Handling
Precautions**

Before using this product, consult the Safety Data Sheet (SDS) for details on product hazards, recommended handling precautions and product storage.

**Usable Life and
Storage**

Store products in tightly closed original containers at temperatures (1-49°C (34-125°F)) recommended on the product label; typically for 540 days.

**Disposal
Considerations**

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

**Health And
Environmental
Information**

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