



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**

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

**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.

Limitations

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

**Health and
Environmental
Information**

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, dow.com or consult your local Dow representative.

**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.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

**Product
Stewardship**

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

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