

SolaStay® P1

INCI Name: Polyester-25

Product Code: 1031

CAS #: 1361958-36-2

Patents: 7,799,317; 7,981,402

Brand: SolaStay®

SolaStay® P1 (Polyester-25), a bis-methoxycrylene/octyldodecyl adipic acid/methylpropanediol copolymer, is a highly effective singlet state quencher, permitting formulators to combine active ingredients once considered too photo-unstable to be effective. SolaStay® P1 is a copolymer that photostabilizes Avobenzene extremely well. As with SolaStay® S₁, it protects against lost of absorbance much faster than Octocrylene, and is suitable for beach and daily wear products in spray, lotion, cream, balm and gel forms. As a polymer, it may enhance the water resistance of products in which it is incorporated. It is most effective in combination with other photostabilizers. Typical use level: 1 – 5%.

Features & Benefits:

- Substantivity Aid
- Sunscreen Active Photostabilizer
- Water Resistance Enhancement

Appearance (25°C)	Clear to slightly opalescent viscous yellow-gold to golden-tan liquid
Color (Gardner)	8+
Odor	Mild, characteristic
Viscosity (cP, 25°C)	25000
Viscosity (cP, 80°C)	300
Dielectric Constant (25°C)	9.01
Refractive Index (25°C)	1.509
Specific Gravity (25°C/25°C)	1.13
Acid Value (mg KOH/g)	1
Flash Point (°C)	>204

Insoluble In	Alcohol Water
Soluble In	Cosmetic Esters Ethylhexyl Methoxycinnamate
Toxicology Profile	Ocular / Eye Irritation: May cause slight irritation of susceptible persons. Skin Irritation: Repeated or prolonged contact may cause irritation.
Packaging	Drum - 220kgs Pail - 20kgs

Regional Approvals:

US

Applications:

- Beach Wear Sun Care
- Daily Wear Sun Care

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