

ProductData



Surface Treatments



ST 11 Methicone

Methicone treated materials result in a cured film surface that significantly improves the characteristics of colors and minerals. The primary benefits are: free flowing dry powders, anti-caking, high water repellency, slip, enhanced feel, better adhesion, improved payoff and will stay in suspension longer. They are also available in a "PT" grade for use in emulsion systems without hydrogen generation.

ST 13 Sodium PCA (Pyrrolidonecarboxylic Acid)

PCA is found abundantly in skin, and plays the role of a natural moisturizer. The water binding ability of Sodium PCA is twice as much as propylene glycol and six times as much as sorbitol. Treated materials will help increase the moisturization, softness and elasticity of the skin. It gives some hydrophobic properties, but yet allows moisture to be absorbed.

ST 14 Lauroyl Lysine

Lauroyl Lysine is derived from the natural materials - L-Lysine and lauric acid. Treated materials do not irritate the skin or cause skin sensitization or photosensitization. They provide good lubricity and are smooth spreading, compatible with human skin, moderately antioxidative, act as a chelating agent and give excellent adhesiveness.

ST 15 Octyldodecanol

Surface treated products spread easily when applied to the skin, leaving no visible trace of greasiness. Because of its spreadability, low degree of oiliness and mildness, octyldodecanol provides powders with emolliency, and gives them good hydrophobicity with a smooth, lubricious feel. This treatment will aid in dispersion and is compatible with most waxes and fatty materials used in cosmetics and toiletries.

ST 17 Boron Nitride

Boron nitride provides excellent slip and adherence to the skin. It will enhance the spreadability and provide better coverage and wearability. This treatment also provides improved processing and forming properties.

Information presented herein is believed to be accurate and reliable but is not intended to meet any specification and does not imply any guarantee or warranty by Brenntag Specialties, Inc. (BSI). For more information and assistance, contact Technical Services at 1-800-732-0562.

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ST 19 Dimethicone

Dimethicone is a linear polydimethylsiloxane polymer. Using dimethicone coated powders for both aqueous and anhydrous systems provides numerous benefits for improving cosmetic formulations. The primary benefits are: high water repellency, soft feel and lubricity on skin, better adhesion, higher compressibility and spreadability along with good leveling properties.

ST 20 Acrylates Copolymer

A unique combination of acrylic resin and magnesium carbonate coupled on a substrate (talc, sericite, titanium dioxide, etc.) enables the formulator to incorporate high levels of a fragrance or other oils to the substrate without causing it to lose its free flowing characteristics. The combination of these two ingredients provides hydrophobic/hydrophilic surface properties to the material. Fragrance levels can typically go up to 5%, while maintaining excellent powder flow properties.

ST 25 Hydrophilic

This surface treatment uses the highly branched polysaccharide product Galactoarabinan, a naturally derived material from trees. In water based systems, AG treated pigments show better stability, as evidence by enhanced color value, when dispersed and compared to untreated pigments. It also reduces the viscosity of the system which enables better wetting and higher loading capabilities of the pigment.

ST 26 Magnesium Myristate

Magnesium Myristate is the magnesium salt of myristic acid. Magnesium Myristate coated pigments are an alternative to silicone treated pigments. It gives excellent water repellency and has good affinity to the skin. It produces good slip and prevents caking. Application areas include eyeshadows, blushers and face powders.

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