



Classic Distributing Company

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TECHNICAL BULLETIN

Hydrolyzed Silk Protein

Silk, long a treasured and expensive material has been called the “princess of fibers”. Discovered in China in 2700 B.C., silk was literally worth its weight in gold. The paths used to transport this valuable material from China and made famous by Italian traveler Marco Polo, became known as the “silk trails”. The term “smooth as silk” connotes beauty and a pleasant smoothness. The exceptional purity of Hydrolyzed Silk Protein

is shown by the clarity of its film and low ash content. It is useful in elegant hair and skin preparations for its excellent moisture binding properties and feel. In addition, this non-animal protein source is substantive to skin and hair and provides a protective barrier. It will add luster, body, and manageability to hair when used in hair care preparations. As an amphoteric protein, it is compatible with cationic, anionic, and non-ionic materials. Silk as an ingredient in your formulation, will evoke pleasant thoughts at point of purchase for your customers.

USES Hair care: shampoos, conditioners, treatment products Skin care: lotions, creams, bath gels, shave preparations, liquid hand soaps, soap bars

INCI Name: Hydrolyzed Silk Protein

TYPICAL PROPERTIES

Appearance	Clear, amber liquid
Odor	Characteristic, mild
Color, Gardner	11 maximum
Nonvolatile matter	8.0% - 14.0%
pH, direct	4.0 - 6.0
Ash (800C)	0.5% maximum
Nitrogen	1.6% - 2.3%
Microbial content when packed	100 O.P.G. maximum No pathogens

Classic
Fine Ingredients

This information is believed to be reliable, but it is not to be construed as a warranty and no patent liability is assumed.