SoyPro Plus™

A Revolutionary Conditioning Quat for hair and skin care.

INCI Name: Quaterniem-79 Hydrolyzed Soy Protein
Usage Rate: 2-5%

Definition

Natural lipids from palm oil combine with natural (SOY derived) soy protein, and are given a cationic charge for excellent substantivity.

Description

::What is Quaternium-79?::
Natural lipids in skin and hair, lost through harsh cleansing, are replaced by the revolutionary Quaternium-79, a cationic conditioning agent born of Virgin Palm Oil. Virgin Palm Oil contains a host of skin and hair benefits, including unrivaled antioxidant properties due to its unmatched content of **Tocotrienols, an antioxidant several times stronger than tocopherols**. Rice Bran Oil is often hailed for its tocotrienol content, but it runs a second to the legendary palm. Virgin Palm is also an excellent **source of carotenes**, which explains its rich color. The Quaternium-79 is cationic (positively charged) so that it is **more substantive** (drawn to) the anionic (negatively charged) skin and hair, and in fact...is drawn most to the areas that need it most. This feature allows for the formulation of “**adjustable conditioning**” products. In hair care, this quat also aids in static charge reduction, reducing fly-aways.

::What are the benefits of Hydrolyzed Soy Protein?::

**HAIR CARE**- Enhances hair manageability, improves the body and texture of hair, improves feel and dry comb properties, contains cystine for hair strengthening and nourishment.

**SKIN CARE**- Soy is an awesome source of Isoflavones. The role of isoflavones is widely appreciated and is currently the subject of intense research. Isoflavones appear to protect the skin against hormone-related aging, such as in menopause. And isoflavones can have estrogenic activity, for instance if during menopause the body's natural level of estrogen drops, isoflavones can compensate by binding to the same receptor sites. As we age, our hormone levels drop and our skin, the biggest organ, shows the results. Hydrolyzed Soy Protein PLUS helps bring back a youthful radiance in skin care.
General Data

Shelf Life: 18 months when properly stored.
Storage: Store in tightly sealed container at temps below 120F.

Specifications

Appearance: Amber Colored Viscous Liquid.
Polarity: Cationic.
Solubility: Water.
pH: 5

Usage

Incorporate 2-5% in the cool down phase. Proteins can denature at temperatures above 121F.

TECH TIP: The Quaternium-79 range of proteins are generally NOT compatible with the Lactylate range of emulsifiers/surfactants.