



Organicals™ Fruit Renewal (AHA Complex)

World leading extractors of fresh botanicals have designed these fabulous blends exclusively for TDF!

INCI Name: (Vegetable) Glycerin, Water, Pyrus Malus (Apple) Fruit Extract, Vaccinium Myrtillus (Bilberry) Extract, Citrus Medica Limonium (Lemon) Peel Extract, Citrus Aurantium Dulcis (Orange) Peel Extract, Carica Papaya (Papaya) Leaf Extract, Phenoxyethanol.

Definition

An exclusive blend of aqueous extracts of various botanicals chosen for their revitalizing properties.

Description

Long before the chemical structure, or even the existence, of alpha-hydroxy acids (AHA's) were known, they were unknowingly being used as an ingredient for improving the condition of skin. Egyptian women took baths in sour milk in order to improve their skin. French women in the court of Louis XIV washed their faces with old wine for the same reasons. Old fashioned facial masks made from fruit, honey or yogurt were also unknowingly taking advantage of AHAs as their active ingredients. Alpha-hydroxy acids are commonly found and isolated from fruits of all sorts. That is why they are referred to as "Fruit Acids".

Alpha Hydroxy Acids function in two distinct fashions: First, they can act as a simple humectant that absorbs moisture from the atmosphere. When applied to the skin, these hydrated AHAs act to increase the water content of the skin and thus moisturize the outer layer of the epidermis (the stratum corneum) and consequently make the skin softer and more flexible. The second method by which AHAs are thought to act is by reducing corneocyte adhesion and accelerating cell proliferation within the deeper basal layer of the skin. This exfoliating action of AHAs occurs as a result of their ability to break the bonds between dead skin cells that form at the surface of the skin. Skin normally has a dead layer of cells at its surface (the corneocyte layer), and AHAs can speed up the normal process of skin cell regeneration and sloughing. This results in

increased flexibility of the skin as well as decreased formation of large dry skin flakes at the surface of the skin.

General Data

Shelf Life: 1 Year at room temperature or 2 Years when refrigerated.

Specifications

Appearance: Dark Pink Liquid.

Usage Guidelines

Incorporate 1-5% in the aqueous phase of the formulation. This ingredient can be hot or cold processed. Recommended Products for Inclusion:

- **Anti-Aging or Revitalizing Formulae.**
- **Exfoliating Formulae.**
- **Hair Care: Shampoos, Conditioners, Leave-Ins.**
- **After-Sun Care Formulae.**