



BotanicalsPlus

BP-Triluronic™ Acid A

a potent combination of select fractions of hyaluronic acids

Introduction

BP-Triluronic™ Acid is produced through fermentation and then by carefully cleaving high molecular weight hyaluronic acid into smaller fractions at three different molecular weights specifically tailored to optimize performance of finished products. The balanced ratio of high to low fractions is designed for skin moisturization and enhanced skin penetration, while the mid fractions work to achieve ideal NMF.

Key Benefits:

- Makes skin supple and receptive
- Improves hydration
- Increases elasticity
- Enhances performance of other ingredients
- Offers barrier repair
- Aids in proliferation of keratinocytes

Background

Hyaluronic Acid (HA) occurs naturally in all vertebrate tissues and throughout the body in various connective tissues, synovial joint fluids, and in varying amounts in the skin. It is in the skin that the body holds the primary reservoir of HA — up to 50% of the total. HA is most abundant in young healthy skin — it is most plentiful in infancy and adolescence and decreases as we age. Typically, by mid-life span, native production of HA is halved and continues in a sharp decline as we age.

What is BP-Triluronic™ Acid A?

Ricinus Communis (Castor) Seed Oil (and) Sodium Hyaluronate (and) Helianthus Annuus (Sunflower) Seed Wax

This ingredient is an **anhydrous version** of our BP-Triluronic™ Acid, enabling incorporation into lipsticks and other anhydrous formulations.

Our recommended use level is 0.5 – 2.0%.



Reported product applications:

- Anhydrous color cosmetics
- Lipsticks
- Lip glosses
- Eye shadows

What is its Function in Personal Care?

- This product is an anhydrous paste of various Hyaluronic Acids, Castor Oil, and Sunflower Seed Wax
- **It is formulated to bring the benefits of BotanicalsPlus's specialized blend of hyaluronic acids of different molecular weights to anhydrous products**
- This ingredient contains different hyaluronic acids ranging in molecular weight from ~12,000 Da to 2 million Da
- This wide range of molecular weights allows for deep, moderate, and low penetration into the skin providing wide-ranging beneficial effects
- It makes skin supple and receptive to other active ingredients
- **It offers exceptional hydration and moisturization**
- This product offers barrier repair to the skin
- This ingredient **firms and lifts skin**
- It also soothes and moisturizes dry skin
- It helps to **heal sensitive dry, damaged skin**
- **It is ideal for use in anhydrous formulations**



COLOR FORMULATION GUIDELINES

The best method to combine **BP-Triluronic™ Acid A** in the formula is with roller milling for optimized and uniformed dispersion. **BP-Triluronic™ Acid A** can be added follows:

Lipstick / Lip Gloss Base

Add recommended concentration of **BP-Triluronic™ Acid A** at an optimal ratio of 5:1 Base: **BP-Triluronic™ Acid A**. Run it through the roller-mill 4-5 times. Add the pre-mixed material at the end after color and flavor.

Oil Phase

Add recommended concentration of **BP-Triluronic™ Acid A** in oil phase (or one of the oils) at an optimal ratio of 3:1 Base: **BP-Triluronic™ Acid A**. Run it through the roller-mill 4-5 times. Add the pre-mixed material at the end after color and flavor.

Complete formula

Add recommended concentration of **BP-Triluronic™ Acid A** in the phase of the formula with flavor and color at an optimal ratio of 4:1 Base: **BP-Triluronic™ Acid A**. Run it through the roller-mill 4-5 times. Add the pre-mixed material as the last phase of your manufacturing process.

NOTE: Keep the space between the rollers on minimum.

If the procedure requires homogenization, add recommended concentration of **BP-Triluronic™ Acid A** at the beginning of the process with continuous mixing until the batch is completed.

JEEN International is the exclusive distributor for BotanicalsPlus in the Personal Care Industry.

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