

Lipo™ Hyaluronic Acid

The “Fountain of Youth”



IDEAL FOR USE

- Hand creams
- Body lotions
- Night creams
- Cleansers
- Eye creams
- Foundations
- Color cosmetics
- Shaving creams
- Suncare products

PRODUCT: Lipo™ Hyaluronic Acid

EC #: N/A

INCI NAME: Sodium Hyaluronate

CAS #: 9067-32-7

PRODUCT: Lipo™ Hyaluronic Acid LP

EC #: N/A

INCI NAME: Sodium Hyaluronate

CAS #: 9067-32-7

PRODUCT: Lipo™ Hyaluronic Acid, 1% Solution PF*

INCI NAME: Water (and) Sodium Hyaluronate (and) Pentylene Glycol (and) Ethyl Hexyl Glycerin

EC #: 231-791-2, 618-620-0, 226-285-3, 408-080-2

CAS #: 7732-18-5, 9067-32-7, 5343-92-0, 70445-33-9

*Preservative System: Pentylene Glycol and Ethylhexylglycerin

Hyaluronic Acid (HA) is a naturally-occurring polyanionic polysaccharide. It is present in the intercellular domains of connective tissues and especially in the skin. Because of its unique rheological, viscoelastic and hygroscopic properties, **HA** plays a key role in protecting and stabilizing the skin at the cellular level.

Although “hyaluronic acid” is the name commonly used for this substance, the polyanionic “hyaluronate” is the biological form found in nature.

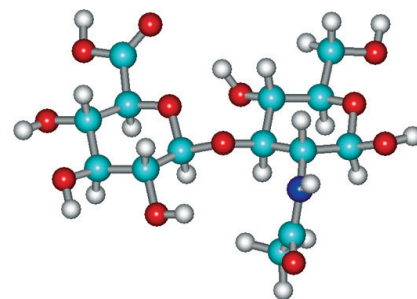
Because of its ability to hold water, **HA** is an efficient skin moisturizer and plays a significant role in skin hydration and lubrication.

With excellent film forming properties, **HA** topically applied rejuvenates the appearance of dry, dull skin and improves its suppleness and elasticity.

Lipo™ Hyaluronic Acid ingredients are non-animal derived and are obtained through a fermentation culture method.

Lipo™ Hyaluronic Acid LP is a Low Polydispersity hyaluronic acid, with a 100% active content.

Lipo™ Hyaluronic Acid, 1% Solution PF is a 1.0% dispersion of **Lipo™ Hyaluronic Acid** for easier incorporation into formulations.



Hyaluronic Acid molecule structure



ACTIVE INGREDIENTS

LIPO™ HYALURONIC ACID The “Fountain of Youth”

TYPICAL PROPERTIES

| | LIPO™ HYALURONIC ACID | LIPO™ HYALURONIC ACID LP | LIPO™ HYALURONIC ACID, 1% SOLUTION PF |
|----------------------|-------------------------------------|-------------------------------------|---|
| Molecular Weight | 1.1 - 2.2 x 10 ⁶ Daltons | 1.1 - 1.6 x 10 ⁶ Daltons | 1.1 - 2.2 x 10 ⁶ Daltons |
| Appearance @25° C | Free Flowing Powder | Free Flowing Powder | Viscous Liquid |
| Color | White to Cream White | White to Off White | Colorless |
| pH @ 25° C | — | — | 6.0-8.0 |
| Viscosity @ 25° C | — | — | 2,000 cps min |
| % Sodium Hyaluronate | 93.0% | 100.0% | 1.0% |



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