

HyaluronV[™]

Anhydrous Hybrid Emulsion

HyaluronV[™] is a proprietary anhydrous base infused with hyaluronic acid (sodium hyaluronate-HA) through a unique microsphere technology specific to SpecializedRx for use in pharmaceutical formulations. When applied, HA easily releases to penetrate and nourish the contact surfaces. HyaluronV has excellent tack and adheres to mucosal surfaces making it an excellent choice for vaginal, and/or rectal compounding applications. HyaluronV imparts thixotropic properties where applying shear or increasing the base temperature will reduce viscosity, allowing it to become easily workable. This property gives HyaluronV the ability to be an easy-to-use vehicle for loading into a syringe from an Unguator jar or administering from an UnoDose[™] type applicator. The product's room temperature appearance is a thick, white translucent emulsion.

Benefits:

- Excellent occlusion properties
- Rich in dermal-nourishing sodium hyaluronate
- Provides long-lasting moisturization
- Easily incorporates oil or water-soluble actives
- Anhydrous (extended BUD per USP <795>)
- Since anhydrous, pH is not applicable
- Hypoallergenic – Primarily natural ingredients
- Shear-stable
- Free of dyes, preservatives, fragrances, and parabens

Properties

Category	Medium Cream
Color	White translucent
pH	N/A
Relative Density g/ml	Approx. 1.12
Viscosity 25°C	Approx. 200,000-550,000 cPs
API Compatibility	Hydrophilic and Lipophilic
API Load	30%
Salt Stability	10%
Transdermal Penetration Potential (1-5)	3
Typical Applications	Dermal drug delivery, HRT, Impotence
Ingredient Sources	Predominantly Natural, Approx. 4% Refined*

*According to ISO 16128 standard

HyaluronV™

Specialty Anhydrous Emulsion

Technical Data Sheet

CATEGORY	A heavy white/translucid (Anhydrous) emulsion base recommended for use in pharmaceutical formulations with excellent occlusion properties administered by vaginal or rectal routes. Formulated to incorporate both oil and water-soluble actives. Thixotropic properties where high-shear mixing or heating will thin the base. Left at room temperature, it will return to it's original viscosity. For syringe or applicator filling, it is recommended to fill using an Unguator (piston style) jar immediately after mixing.
INGREDIENTS	Proprietary formula that contains medium chain triglycerides, triceteareth phosphate, palmitostearates, castor seed oil, glycerin (vegetable origin), and sodium hyaluronate (0.2%)
ALLERGY	Per the 2004 Food Allergen Labeling and Consumer Protection Act, no allergen declarations are required for this product as relating to corn, milk, egg, tree nut, fish, crustacean shellfish, wheat, peanuts, and soybeans.
KOSHER STATUS	Not applicable.
TECHNICAL DATA	Description: Translucent white emulsion Shelf Life: 2 years from date of manufacture when stored in its original, unopened container. Viscosity at 25°C approx. 200,000-550,000 cps Odor: odorless
SAFETY DATA	All ingredients classified as "Generally Recognized As Safe" (GRAS) and inactive excipient ingredients by the US FDA. For information on the toxicology and safety of this product, please consult the material safety data sheet (MSDS).
HANDLING AND STORAGE	Storage Conditions: Product can be stored at ambient conditions for temperature, pressure, and humidity. Product should be kept in a tightly sealed container, under cool and dry conditions.
COMMENTS	This information reflects US requirements for ingredients and allergy declarations. SpecializedRx makes no warranties or claims to the accuracy or completeness of the above information given the variations in use and formulations.