

Technical Data Sheet

VV™ Acryna™Core

INCI Name: ACRYLATES/OCTYLACRYLAMIDE COPOLYMER

Revision 00

Effective from: April 2026

Description:

VV™ Acryna™Core is a hydrophobic, high molecular weight, carboxylated acrylic copolymer known for forming moisture- resistant films. It is ideal for water - resistant products and can also secure active ingredients at the application site by resisting abrasion or rub-off.

VV™ Acryna™Core polymer offers exceptional moisture resistance, ensuring strong holding power in humid conditions. Its hard film maintains flexibility and adhesion, providing desirable on-hair and on-skin properties.

Typical Properties:

Parameter	Property
Appearance	Fine White Powder
% Volatiles	NMT 3%
Acidity (meq/g)	2.2 – 3.5

These figures are only intended as a guide and should not be used in preparing specifications.

Areas of Application:

- Moisturizers for daily wear with built-in SPF
- Tinted sun protection products Color cosmetics
- Creams and lotions for the face, body, hands, and feet
- Hair Products Aerosol Hair Spray
- Non-Aerosol Hair Spray

Special Features

- Maintains film properties in humid conditions
- Provides a strong hold in sprays
- Highly resistant to humidity
- Forms Strong films
- Water resistance and SPF retention
- Resists rubbing off
- User-friendly
- No need for neutralization in alcohol- based products
- Exceptional performance in alcohol- based formulations

Levels Of Use:

Suggested use level of 1%-5% (Upto 10% for alcohol based products)



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Neutralisation Method (when required):

VV™ Acryna™Core is a film-forming polymer that is carboxylated and is neutralized with a suitable alkaline material in formulation. The formulator can use materials such as triethanolamine, ammonium or potassium hydroxides, or long chain amines. The amount of base required to neutralize the carboxyl groups in VV™ Acryna™Core can be determined by the following relationships:

$$B = \frac{W \times A \times N \times E}{1000}$$

Where:

B = weight (grams) of base needed

W = weight (grams) of VV™ Acryna™Core used

A = acidity (meq/g) of VV™ Acryna™Core

N = % neutralization required (decimal)

E = equivalent weight of base (eq/g)

Storage

Store in a cool and dry place, in a closed container. Store away from excessive heat. Shelf-life is 24 months from date of production.

Safety and Handling

No special protection required while handling. Material Safety Data Sheet available on request.

Limitation

Customers must evaluate VV™ Acryna™Core and make their own determination as to fitness of use in their applications.

Packaging

Available in 1 Kg, 5 Kg, 20 Kg Corrugated Box.

Important

The data and statements contained herein are based on our research and/or the research of others and are believed to be accurate. No guarantee of their accuracy is made however, and unless expressly stated in a written contract, the product(s) discussed herein are sold without conditions or warranties, expressed or implied. Purchasers are advised to make their own tests to determine the suitability of this product for their purposes. Nothing contained herein shall be construed as a recommendation to use or as a license to operate under or to infringe on any existing patent.