

Technical Information

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Himoloc KD2025

Product for cosmetic compositions

DESCRIPTION

Cationic acrylamide copolymer in aqueous dispersion.

INCI Name: Polyquaternium-7

CHARACTERISTICS

Appearance	: White milky liquid
Ionic character	: Cationic
Density	: 1.1 - 1.3 g/cm ³
pH	: 5 - 7
Viscosity	: < 3000 cP
Molecular weight	: Medium-Low
Shelf life	: We recommend not keeping the product for more than 9 months.

Note: The parameters indicated here are not necessarily the specifications of the product. These will be agreed with each customer and will be a part of the contract that must be respected for each batch supplied.

APPLICATION

- In most of cases this product must be dissolved in water prior its use in the application. Its dissolution is very fast if procedure conditions are adequate.
- The low viscosity of the product allows an easy control for its dosage. On the other hand it is very important avoiding any in-coming water in the dosing system of the raw product, for this reason we recommend using non-return valves. In case this happened pumps and tubing could become blocked.
- For an effective and rapid dissolution process it is important to get a good first contact between product and water. We recommend pouring the product slowly over strongly agitated water. A little spurt of product should contact water on the vortex formed by the agitation. This strong agitation conditions must be kept till all the product has been fed to the water, after that the agitation rate may be diminished till the dissolution is complete.
- It is also recommended not to prepare dissolutions of the product at higher concentrations than 5%. High concentrations involve more difficulties to homogenize and handle those solutions, owing to the also high viscosities obtained.

APPLICATION

- Solution stability depends on diverse factors: quality of the dilution water (hardness, conductivity, and pH), temperature, concentration, etc. It is recommended consuming any dissolution in the next few hours after its preparation. When a loss of viscosity is observed it means that solution degrades. Even if this occurs the dissolution is still useful, though now the dosage necessary to keep the performance may be higher.
- As the product can be dissolved so easily, in some specific cases, it may be dosed to the application without previous dissolution.

BENEFITS

- Contributes to luster and a soft, silky feel and provides excellent slip, slipperiness and snag-free wet combability in hair care products.
- Provide rich and creamy foam to shampoos and excellent hair softness and wet feel during washing, rinsing and after rinsing.
- Helps to hold curl without curling.
- Liquid cleansing products acquire richer foam with improved stability.
- In skin care products, imparts a smooth, velvety feel; reduces tightness after drying skin. In addition, it contributes to slipperiness, which can help to make these products easier to apply.
- Provides excellent moisturization.
- Contains no oil or surfactants (environmentally friendly).
- Concentrated, less costly to transport.
- Compatible with surfactants and ethanol.

STORAGE AND DISTRIBUTION

- The product should be kept in a covered place, the container tightly closed, protected from sunlight and within the temperature range recommended in Section 7 of the Safety Data Sheet.
- Once the container is open, avoid contamination with any other water based product and/or with strong bases. Check the Material Safety Data Sheet.
- There is a great variety of containers. Check with our Customer Service in order to choose the most convenient one.

REGULATORY

Consult our technical staff in case of doubt.