

# Technical Information

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derypol

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## DER K11 PF

Product for cosmetic applications

### DESCRIPTION

**Conditioner in cosmetic formulations.**

**Hair fixer in cosmetic formulations.**

This product uses Phenoxyethanol + Ethylhexylglycerin as preservative agent.

INCI Name: Polyquaternium-11

### CHARACTERISTICS

Type of product	: Quaternized copolymer of vinylpyrrolidone (VP) and dimethylaminoethylmethacrylate (DMAEMA)
Appearance	: Colourless to yellowish transparent liquid
Ionic character	: Cationic
Density	: 1 - 1.2 g/cm <sup>3</sup>
Residual NVP	: < 100 ppm
pH	: 5 - 7
Viscosity	: 10000 - 60000 cP
Percent Solids	: 19 - 22 %
Shelf life	: We recommend not keeping the product for more than 12 months

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

### APPLICATION

- This product can be easily incorporated in formulations due to complete water solubility. It is compatible with any kind of surfactants including anionic and amphoteric ones.
- Suggested starting concentration: 2% - 5% .
- Consult with our technical staff in case of any doubt.

## BENEFITS

- This polymer forms an electrostatic combination with the negatively charged keratin.
- In hair care products, this product can, improve wet and dry combability, increase shine, softness and body, form a non-tacky and continuous film, good curl retention performance and enhance setting properties.
- The product is an effective conditioning agent and it can be formulated into hair styling mousses, lotions and gels, conditioners, treatment products and shampoos. It is also suitable in skin care products such as: liquid soaps and shower gels, shaving products and body lotions.
- It forms film without leaving a sticky sensation.

## 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. Check the Material Safety Data Sheet.
- Take the habitual precautions when handling a chemical product. Avoid the product to contact with the eyes, skin or clothes.
- 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 any doubt.