

# Technical Information

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Current version 1

derypol

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## OPM500N

Product for cosmetic applications

### DESCRIPTION

**Opacifier product for cosmetic formulations.**

Nonylphenol free.

INCI Name: sodium styrene/acrylate copolymer

### CHARACTERISTICS

Type of product	: Acrylic monomers and styrene based polymer in aqueous emulsion
Appearance	: White milky liquid
Ionic character	: Anionic
Density	: 1 – 1.1 g/m <sup>3</sup>
pH	: 5 – 6
Viscosity	: < 100 cP
Percent Solids	: 39 – 41 %
Shelf life	: We recommend not keeping the product 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.*

*\* In case you think of checking the quality of this product, we strongly recommend to do it within the 15 days period after receipt. At the same time, we recommend the product to be stored in those good conditions as indicated in section 7 of the MSDS. In doing it this way, we will avoid any possible deviation owing to inadequate storage conditions. Another option you may consider is sampling the batch-product as it arrives to your facilities. That sample will be easily kept in good conditions and may be analyzed as convenient.*

### APPLICATION

- Opacifiers are applied in a wide variety of products, usually in formulations containing anionic surfactants, the majority of detergent and personal care products such as shampoos, bath gels and liquid soaps.
- Due to their high effectiveness, they are used at low concentrations between 0.1-1%. It is also recommended to add the opacifier at the end of the formula or at an intermediate point in the mixing process, and predilute it in water at 10%-20% (1:5 or 1:10 ratio) to facilitate its homogenization and stability.
- It is added to transparent or translucent cosmetic products to make them more impenetrable by light and radiation. It helps the final product to look better, so sometimes a dye is also added.

Consult our technical staff in case of any doubt.

- Derypol guarantees the quality of the product, in the terms agreed with the client as "product specifications", during the time established as the warranty period (shelf-life), as long as it is kept in good conditions, according to the recommendations indicated in section 7 of our MSDS. For any formulation of the product, it will be the client responsibility to carry out the necessary studies to guarantee that the stability and characteristics are as desired. Derypol assumes no responsibility regarding the stability and characteristics of such formulations.

## BENEFITS

- It provides a creamy, dense and uniform texture effect.
- It provides an excellent stability to the formulated product.
- Stable in a wide range of pH (5-12) aprox.

## 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 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.