

Technical Information

Current version 3.1
16/01/2024

derypol

C/ Plató 6, Entlo. 5^o- 08021 Barcelona (Spain)
Tel. (93) 238 90 90, Fax (93) 238 90 91
www.derypol.com

K244

Product for paper and paperboard manufacturing

DESCRIPTION

Backbone polymer for glyoxalated derivatives used as dry strength aids for paper.

Can be diluted in water in different proportions.

The product is free of organic solvents, surfactants and volatile organic compounds (VOCs).

Its main ingredients are: polymer and water.

CHARACTERISTICS

Type of product	: Cationic polymer in aqueous solution
Appearance	: Colourless to yellowish transparent liquid
Ionic character	: Low cationic
Odor	: Salty odor
Density	: $\approx 1 \text{ g/cm}^3$
AAM	: $\leq 500 \text{ ppm}$
pH	: 4 – 6
Viscosity	: $\leq 1500 \text{ cP}$
Percent Solids	: 42 – 44 %
Molecular weight	: Low
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 will be used as ingredient in the reaction with glyoxal to obtain derivates with good properties as dry strength aids for paper.
- Glyoxalated derivates usually show a poor stability of a few days/weeks, depending on their particular conditions. For this reason we recommend preparing these products in situ or in a place close to the application point.
- For a correct use and reaction with glyoxal get advice from our technical staff; who will help you and provide the necessary information.

BENEFITS

- It allows you to prepare glyoxalated derivatives with very good properties as dry strength agents.
- You can establish a strategy of manufacturing and use of the glyoxalated derivatives; avoiding any problem with medium or long term lack of stability.
- It does not cause the emission of Volatile Organic Compounds (VOCs).

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.