

# Technical Information

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**derypol**

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## Hypol DW217

Product for treatment of water intended for human consumption

### DESCRIPTION

**Coagulant for water treatment for water intended for human consumption.**

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

Its main ingredients are: polymer and water.

### CHARACTERISTICS

Type of product	: Diallyldimethylammonium chloride homopolymer in aqueous solution.
Appearance	: Colourless to amber coloured transparent liquid
Ionic character	: Cationic
Density	: 1.1 g/cm <sup>3</sup>
pH	: 4 – 7
Viscosity	: 4000 – 15000 cP
Percent Solids	: 20 – 24 %
Molecular weight	: High
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

- It can be dosed directly without previous dilution, or diluted in water for any proportion.
- For most of applications, owing to its high viscosity, we recommend diluting the product with water.
- 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.
- Consult our technical staff in case of any doubt.

## BENEFITS

- Because of its high molecular weight this product can replace successfully the traditional polyacrylamides.
- It improve a quick settling of sludge.
- When used combined with aluminium salts, this polymer produces waters with lower metal residues than any other polymer that could be used for the same purpose.
- Effective in a wide range of pH without modifying it.
- Product easy to handle, and easy to dissolve.
- It reduces the volume of sludge produced.
- Drier sludge is obtained.
- It helps for a global cost reduction process in water treatment.

## 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.

The product abides by the next regulations:

- UNE:EN 1408:2008 with regard to those products used in the treatment of water intended for human consumption.