

Technical Information

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derypol

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Hygreen GT90P

Product for water treatments

DESCRIPTION

Cationic polymer of essentially vegetal origin in powder form.

CHARACTERISTICS

Appearance	: Brown powder solid
Density	: 0.45 – 0.65 g/cm ³
pH	: 1.8 – 2.7 (sol. 10% w/v)
Percent Solids	: > 93.5 %
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 is recommended to dilute the product in water prior to use.
- It can replace totally or partially the inorganic coagulants.
- The maximum recommended solution concentration is 25% (for the liquid version), with a stability of 6 months. Solutions of lower concentration can also be made, depending on the characteristics of each system. The product solution (powdered) is made by slowly adding the product to the rapidly stirring water. There is a full process of the dissolution process available. It is usual the foam occurrence.
- Non toxic low molecular weight coagulant. It is a very effective emulsion breaker hence is good at separating oil and water emulsions as found in effluents in a number of industries. It is also a chelant and will achieve significantly higher removal rates of mono and bivalent metals than conventional coagulants. It is particularly effective in treating waste water from pulp and paper, metallurgical, tanneries, food, chemical industries and also in conventional water treatment plants. It can also be used to increase solids concentration in mechanical dewatering processes as well as thickening primary sludge in wastewater processes.
- It's very important the contact time of the product with the water to treat. In laboratory, it's recommended 1 minute at 120 rpm + 3 minutes at 40 rpm to see the coagulation.

Consult our technical staff in case of any doubt.

BENEFITS

- In comparison with inorganic coagulants, it uses to work at lower dosage while producing a lower percentage of sludges, implying thus, less volume to treat (dewatering) and to transport and to the landfill (reducing costs).
- Effective in a wide range of pH.
- It does not alter the conductivity and pH of the water being treated because does not consume the environment's alkalinity.

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.
- For bulk product avoid metal tanks. Plastic materials are recommended (polypropylene, polyethylene...).
- There is a great variety of containers. Check with our Customer Service in order to choose the most convenient one.
- Take the abitual precautions when handling a chemical product.

REGULATORY

Consult our technical staff in case of any doubt.