



HYDRO CHARGE 921

Description

HC 921 is a high cationic liquid grade coagulant and low molecular weight. Supplied can be readily pumped and diluted to provide solutions for use.

Applications

The main application of **HC 921** is as a coagulant in the clarifications of water. When used as a primary coagulant **HC 921** will effectively reduce and in some cases eliminate the dosage requirements for conventional inorganic coagulants such as Aluminum Sulphate, Polyaluminum Chloride and Ferric Sulphate.

HC 921 will offer major economic and technical benefits for the following unit process in Waste or Water Treatment.

- Clarification by settlement
- Floatation – Clarification
- Filtration

Usage

HC 921 is normally applied to the process as dilute solutions. This can be in the range 10:1 to 100:1. Solutions can be prepared in tanks with stirrers or alternatively the product can be pumped directly to the system and diluting in line. For optimum results, **HC 921** should be added to the system at a point of sufficient turbulence to ensure good initial dispersion and adequate mixing. This point will be prior to the clarifier or filters and ideally a quiescent zone should follow the turbulent flow zone at the addition point. For most applications the anticipated dosage will be in the range of 1 – 50 mg/lit.

Product Properties

Appearance	: Clear Viscous Liquid
pH of 1% solutions	: 3.0 – 4.0
Viscosity of 1% solution	: < 10 cps Brookfield (spindle 3.50 rpm, 20°C)
Specific gravity	: 1.07 – 1.09
Solid content	: 12 %
Solubility in water	: Infinite

Packaging

HC 921 is supplied in 200 kgs in plastic drums.

Storage and Handling

Keep in a cool and dry place, Avoid extreme of temperature.

Recommended Storage Periods

Up to two year in original package (liquid form).

Warranty

The Information contained in this leaflet is given in good faith but no liability is assumed nor is freedom from any patent owned by PMMK PT or others implied.

This Information should not be taken to represent a specifications for the product.

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