

# HYDROGARD 7200

## POLYELECTROLYTE CATIONIC

HYDROGARD 7200 is a cationic polyelectrolyte, functioning as a coagulant aid or sludge conditioning agent in liquid-solids separation processes. The product is mainly used for wastewater purification, as well as for thickening and dewatering of municipal and industrial sewage sludge (centrifuges, filter belt presses, chamber filter presses). The product is particularly suitable for applications where the formed flocks are subjected to high shear. Stock solutions are normally prepared at a concentration of 0.1 to 0.5%.

### Packaging

In fiber drum or PE bag - 25 kgs.

### Dosage and Feeding

The actual dosage should be determined in a laboratory jar test. Stock solutions are normally prepared at a concentration of 0.1 to 0.5%. Do not use high speed, high shear mechanical mixers for agitation. These stock solutions are stable for at least two days without any significant change in charge density that might affect performance results. To ensure the stability of the solution, it is recommended to use water with temperatures below 40°C for dissolution, and the pH of the solution should be controlled within the range of 5.0 - 6.5. For best performance, further dilute the stock solution with clean water to 0.02% – 0.03% or less before feeding to the process stream. Dilution can be accomplished either by using in-line dilution or a dilution tank, usually determined by inspection of available facilities. The recommended transfer pumps are gear-type or positive displacement piston pumps.

### Handling and Storage

Solutions of HYDROGARD 7200 are essentially non-corrosive. The recommended materials for solution handling include black iron, mild steel, fiberglass, plastic, and other more resistant materials. Galvanized equipment should not be used. Spilled polymer is very slippery. Polymer spills should be scooped and wiped up prior to flushing with water. HYDROGARD 7200 should be stored in a dry place with ambient temperature not higher than 38°C. Close the drum container tightly after use.

## FOR MORE INFORMATION: