Technical Data Sheet

Poly-DADMAC

This product (technically named Polydimethyl-Dislkelen-Ammonium Chloride) is cationic chain macromolecular polymer and it can be completely dissolved in water.

Properties:

1. The polymer body contains strong cationic group radical and activated-adsorbent group radical which can destabilize and flocculate the suspended solids and the negative-charged water soluble matters in the waste water through electro-neutralization and bridging adsorption. It is very effective in flocculating, decolouring, killing alage and removing organics.
2. The product enjoys small dosage but can cause big flocs, rapid precipitation and low turbidity residue, and it can also produce small amount of sludge.
3. It is adaptable to wide range of pH value, between 0.5 and 1.4.
4. This product is smelless, tasteless and harmless. It can be widely used to treat source water and sewage water.

Specifications:

1. Appearance: colourless, transparent colloid

2. Solid content: ≥ 40%

3. Ionic nature: cationic

4. pH value: 4-7

5. Molecular weight: ≥ 4×10^5

Inner packing:

High viscosity grade, 125kg/plastic drum

Low viscosity grade, 250kg/plastic drum, 1,000kg/IBC

Application Method & Notes:

1. When used alone, it should be diluted to the concentration of 0.5%-0.05% (based on solid content).
2. When used to treat different source water or waste water, the dosage is based on the turbidity and the concentration of the water. The most economical dosage is based on the trial.
3. The dosing spot and the mixing velocity should be carefully decided to guarantee that the chemical can be mixed evenly with the other chemicals in the water and the flocs can not be broken.
4. It is better to dose the product continuously.
5. This product is packaged in plastic drums with each drum containing 250kg.
6. This product should be sealed and stored in a dry and cool place. In this way, it can be stored for two years without losing its effect.

If there appears stratification after the long-term storage, it can be mixed before being used.