

Product Data Sheet

TARFLOC C-5030

CATIONIC FLOCCULANT

REV: 001-102015

GENERAL DESCRIPTION

TARFLOC - C 5030 is a cationic polyelectrolyte, functions as coagulant aid or sludge conditioning agent in liquid-solids separation processes. The product is used mainly for waste water purification, as well as for thickening and dewatering of municipal and industrial sewage sludge (centrifuges, filter belt presses, chamber filter presses). The product is specially suitable for applications where the formed flocks are subjected to high shear. Stock solutions are normally prepared at concentration of 0.1 to 0.5%.

COMPOSITION

Water soluble high molecular weight, cationic polyacrylamide in white granule/powder form.

TYPICAL PROPERTIES

Bulk density	: 0.65-0.9 g/ml
Ionic charge	: Cationic
Molecular weight	: Very high

DOSAGE AND FEEDING

The recommended dosage TARFLOC - C 5030 for different application are:

- Clarification of secondary effluent: 1 - 5 ppm.
- Flocculation, thickening, and dewatering of primary and secondary sludge of municipal sewage and of various industries: 0.5 - 4.0 kg per ton of dry solids.
- Centrifugal operation: 1.5 - 5.0 kg per ton of dry solids.

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

HANDLING AND STORAGE

Solutions of FLOC - C 5030 are essentially non corrosive. Spilled polymer is very slippery. The polymer spills should be scooped and wiped up prior to flushing with water. FLOC - C 5030 should be stored in a dry place with ambient temperature not higher than 38° C. Close tightly the drum container after use.

PACKAGING

In plastic bag with net weight of 25 kgs.