



Noble Earth Technologies

Cleanse It Flocculant

WATER AND EFFLUENT TREATMENT

NOBLE EARTH TECHNOLOGIES CLEANSE IT FLOCCULANT is a cationic polyelectrolyte that is employed as a flocculating aid, and sludge dewatering aid. It is used in the clarification of industrial fresh water and in the removal of suspended solids from freshwater. Other applications include liquid-solid separation of oil and water, for example, in petroleum secondary recovery operations.

DIRECTIONS FOR USE: CLEANSE IT FLOCCULANT dissolves easily and completely in water, no special dissolving equipment or screens are needed to remove un-dissolved solids or gel particles. To ensure uniform distribution, it is important to dilute CLEANSE IT FLOCCULANT with water before feeding it to the system. Pre-dilution of the product with 250 parts of water to provide a solution of no more than 0.1% polymer solids is recommended. It can be used alone or in a combination with primary coagulants such as alum, lime or iron salts. Since it can partially or completely replace these inorganic coagulants it can be used in lower concentrations. CLEANSE IT FLOCCULANT can provide a substantial reduction in the amount of sludge produced and thus also reduce sludge handling and disposal problems and costs. Addition rates for CLEANSE IT FLOCCULANT range from as low as 4ppm (parts per million) to 3ppm or more. Optimum amounts of CLEANSE IT FLOCCULANT, and or organic coagulant, should be determined for the particular system being treated by on-site flocculant tests.

SLUDGE DEWATERING: For improving the dewatering of sludge from water and the effluent treatment systems, CLEANSE IT FLOCCULANT is added continuously to the sludge prior to centrifuging or filtering. The polyelectrolyte is usually added at the intake of the pump moving the sludge to the centrifuge, filter or directly to the centrifuge bowl. The initial addition should be made at a concentration of 4ppm CLEANSE IT FLOCCULANT, and the concentration should be increased gradually to determine the optimum amount, which could be as high as 200 to 400ppm.

MINERAL AND CHEMICAL PROCESSING: CLEANSE IT FLOCCULANT is an efficient flocculant for use in many mineral and chemical processing operations. In the latter processing it is used in the final washing stages to improve separation of solids from the washing liquid. Addition rates of CLEANSE IT FLOCCULANT in these applications will, or course, vary according to the process. Typically, concentrations might be in the order of 80 to 120ppm.

CAUTION: When handling concentrate wear rubber gloves.

FIRST AID: If poisoning occurs contact a doctor or Poisons Information Centre (phone 13 1126 from anywhere in Australia).

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